INITIAL STUDY/MITIGATED NEGATIVE DECLARATION

MAVERIK GAS STATION AND INDUSTRIAL PARK PROJECT

Prepared for:

City of Lemoore
711 W. Cinnamon Drive
Lemoore, CA 93245
Contact Person: Nathan Olson, City Manager
Phone: (559) 924-6744

Consultant:

5080 California Avenue, Suite 220
Bakersfield, CA 93309
Contact: Jaymie Brauer
Phone: (661) 616-2600

April 2023

Project #220333.02

NOTICE OF PUBLIC HEARING AND INTENT TO ADOPT A MITIGATED NEGATIVE DECLARATION

This is to advise that the City of Lemoore has prepared a Mitigated Negative Declaration for the project identified below that is scheduled to be considered at the Lemoore City Council's regular meeting on **Tuesday, May 16, 2023.**

PLEASE BE ADVISED that the City Council will consider adopting the Mitigated Negative Declaration at a future meeting held after the Planning Commission meeting. That date is uncertain at this time and will be noticed in the future.

All upcoming regular and special Planning Commission and City Council meetings will also be accessible online at www.youtube.com/c/cityoflemoore.

Persons having comments or concerns about the proposed project are encouraged to attend or submit public comments by e-mail to: planning@lemoore.com. Emailed comments must be received by 4:30 p.m. on the day of the hearing to be entered into the record. In the subject line of the e-mail, please state your name and the item you are commenting on. Persons unable to email comments may send them via USPS mail or another courier to the City of Lemoore, Attn: City Clerk, 711 W. Cinnamon Drive, Lemoore CA 93245. Mailed comments must be received by 4:30 p.m. on the day of the hearing to be entered into the record.

Project Name

Maverik Gas Station and Industrial Park Project

Project Location

The project site is a 20.5-acre property located on the northeast corner of South 19th Avenue and West Iona Avenue in the City of Lemoore, Kings County, CA. The project site is on Assessor's Parcel Numbers (APN) 023-310-012-000 and 023-210-011-000 within Section 10, Township 19S, Range 20E, Mount Diablo Base and Meridian (MDB&M).

Project Description

The project requests a Zone Change/General Plan Amendment from Mixed Use to Regional Commercial for an approximately 4.13-acre portion of the site and approval of a Conditional Use Permit to allow for the construction and development of a gas station/mini-mart. The project would include an 8,952-square-foot building with fuel canopies for gas and diesel pumps. In the future, a fast-food restaurant with a drive-through lane would be developed. Development of the gas station/mini-mart is anticipated to occur over a six-month period.

The remaining easterly portion of the site would change from Mixed Use to Light Industrial to allow for the development of an industrial park to accommodate future compatible uses. The site would be divided into 23 separate lots with the approval of a subdivision map. The size of the buildings is not known, but based on the proposed lot sizes, it can be assumed up

to 100,000 square feet of buildings can be developed. Additional improvements include the development of a retention basin on the north end of the property.

As mandated by the California Environmental Quality Act (CEQA), the public review period for this document was 20 days (CEQA Section 15073[a]). The public review period began on April 7, 2023, and ended on May 8, 2023. For further information, please contact Jaymie Brauer at 661-616-2600 or jaymie.brauer@qkinc.com.

Notice of Completion & Environmental Document Transmittal

Mail to: State Clearinghouse, P.O. Box 3044, Sacramento, CA 95812-3044 (916) 445-0613
For Hand Delivery/Street Address: 1400 Tenth Street, Sacramento, CA 95814

SCH #

Project Title: Maverik Gas Station and Industrial Park Project

Lead Agency: City of Lemoore | Contact Person: Nathan Olson, City Manager

Mailing Address: 711 W. Cinnamon Drive | Phone: (559) 924-6744

City: Lemoore | Zip: 93245 | County: Kings

Project Location: County: Kings | City/Nearest Community: Lemoore

Cross Streets: South 19th Avenue and West Iona Avenue | Zip Code:

Longitude/Latitude (degrees, minutes and seconds): ____° ____′ ____″ N / ____° ____′ ____″ W Total Acres: 20.5

Assessor's Parcel No.: 023-310-012-000 and 023-210-011-000 | Section: 10 | Twp.: 19S | Range: 20E | Base: MDB&M

Within 2 Miles: State Hwy #: SR 198 | Waterways:

Airports: | Railways: San Joaquin Valley Railroad | Schools: P.W. Engvall Elementary School

Document Type:

CEQA: ☐ NOP ☐ Early Cons ☐ Neg Dec ☒ Mit Neg Dec ☐ Draft EIR ☐ Supplement/Subsequent EIR (Prior SCH No.) ☐ Other:

NEPA: ☐ NOI ☐ EA ☐ Draft EIS ☐ FONSI

Other: ☐ Joint Document ☐ Final Document ☐ Other:

Local Action Type:

☐ General Plan Update ☒ General Plan Amendment ☐ General Plan Element ☐ Community Plan
☐ Specific Plan ☐ Master Plan ☐ Planned Unit Development ☐ Site Plan
☒ Rezone ☐ Prezone ☒ Use Permit ☒ Land Division (Subdivision, etc.)
☐ Annexation ☐ Redevelopment ☐ Coastal Permit ☐ Other:

Development Type:

☐ Residential: Units ____ Acres ____
☐ Office: Sq.ft. ____ Acres ____ Employees____
☒ Commercial: Sq.ft. ____ Acres 4.13 Employees____
☒ Industrial: Sq.ft. ____ Acres 16.37 Employees____
☐ Educational:
☐ Recreational:
☐ Water Facilities: Type ____ MGD ____
☐ Transportation: Type
☐ Mining: Mineral
☐ Power: Type ____ MW
☐ Waste Treatment: Type ____ MGD
☐ Hazardous Waste: Type
☐ Other:

Project Issues Discussed in Document:

☒ Aesthetic/Visual ☒ Agricultural Land ☒ Air Quality ☒ Archeological/Historical ☒ Biological Resources ☐ Coastal Zone ☒ Drainage/Absorption ☐ Economic/Jobs
☐ Fiscal ☒ Flood Plain/Flooding ☒ Forest Land/Fire Hazard ☒ Geologic/Seismic ☒ Minerals ☒ Noise ☒ Population/Housing Balance ☒ Public Services/Facilities
☒ Recreation/Parks ☒ Schools/Universities ☒ Septic Systems ☒ Sewer Capacity ☒ Soil Erosion/Compaction/Grading ☒ Solid Waste ☒ Toxic/Hazardous ☒ Traffic/Circulation
☒ Vegetation ☒ Water Quality ☒ Water Supply/Groundwater ☒ Wetland/Riparian ☒ Growth Inducement ☒ Land Use ☒ Cumulative Effects ☒ Other: Wildfire and Energy

Present Land Use/Zoning/General Plan Designation:

Vacant / Mixed Use / Mixed Use

Project Description: *(please use a separate page if necessary)*

The project requests a Zone Change/General Plan Amendment from Mixed Use to Regional Commercial for an approximately 4.13-acre portion of the site and approval of a Conditional Use Permit to allow for the construction and development of a gas station/mini-mart. The remaining easterly portion of the site would change from Mixed Use to Light Industrial to allow for the development of an industrial park to accommodate future compatible uses. The site would be divided into 23 separate lots with the approval of a subdivision map. The size of the buildings is not known, but based on the proposed lot sizes, it can be assumed up to 100,000 square feet of buildings can be developed. Additional improvements include the development of a retention basin on the north end of the property

Note: The State Clearinghouse will assign identification numbers for all new projects. If a SCH number already exists for a project (e.g. Notice of Preparation or previous draft document) please fill in.

Reviewing Agencies Checklist

Lead Agencies may recommend State Clearinghouse distribution by marking agencies below with and "**X**".
If you have already sent your document to the agency please denote that with an "**S**".

X	Air Resources Board		Office of Historic Preservation
	Boating & Waterways, Department of		Office of Public School Construction
	California Emergency Management Agency		Parks & Recreation, Department of
	California Highway Patrol		Pesticide Regulation, Department of
X	Caltrans District # 6		Public Utilities Commission
	Caltrans Division of Aeronautics	X	Regional WQCB # Central
	Caltrans Planning		Resources Agency
	Central Valley Flood Protection Board		Resources Recycling and Recovery, Department of
	Coachella Valley Mtns. Conservancy		S.F. Bay Conservation & Development Comm.
	Coastal Commission		San Gabriel & Lower L.A. Rivers & Mtns. Conservancy
	Colorado River Board		San Joaquin River Conservancy
	Conservation, Department of		Santa Monica Mtns. Conservancy
	Corrections, Department of		State Lands Commission
	Delta Protection Commission		SWRCB: Clean Water Grants
	Education, Department of	X	SWRCB: Water Quality
	Energy Commission		SWRCB: Water Rights
X	Fish & Game Region # 4		Tahoe Regional Planning Agency
	Food & Agriculture, Department of	X	Toxic Substances Control, Department of
	Forestry and Fire Protection, Department of		Water Resources, Department of
	General Services, Department of		
	Health Services, Department of	X	Other: San Joaquin Valley APCD
	Housing & Community Development		Other:
X	Native American Heritage Commission		

Local Public Review Period (to be filled in by lead agency)

Starting Date April 7, 2023 Ending Date May 8, 2023

Lead Agency (Complete if applicable):

Consulting Firm: _____
Address: _____
City/State/Zip: _____
Contact: _____
Phone: _____

Applicant: _____
Address: _____
City/State/Zip: _____
Phone: _____

Signature of Lead Agency Representative: Nathan Olson **Date:** April 7, 2023

Authority cited: Section 21083, Public Resources Code. Reference: Section 21161, Public Resources Code.

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MITIGATED NEGATIVE DECLARATION

As Lead Agency under the California Environmental Quality Act (CEQA), the City of Lemoore reviewed the project described below to determine whether it could have a significant effect on the environment because of its development. In accordance with CEQA Guidelines Section 15382, "[s]ignificant effect on the environment" means a substantial, or potentially substantial, adverse change in any of the physical conditions within the area affected by the project, including land, air, water, minerals, flora, fauna, ambient noise, and objects of historic or aesthetic significance.

Project Name

Maverik Gas Station and Industrial Park Project

Project Location

The project site is a 20.5-acre property located on the northeast corner of South 19th Avenue and West Iona Avenue in the City of Lemoore, Kings County, CA. The project site is on Assessor's Parcel Numbers (APN) 023-310-012-000 and 023-210-011-000 within Section 10, Township 19S, Range 20E, Mount Diablo Base and Meridian (MDB&M).

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The remaining easterly portion of the site would change from Mixed Use to Light Industrial to allow for the development of an industrial park to accommodate future compatible uses. The site would be divided into 23 separate lots with the approval of a subdivision map. The size of the buildings is not known, but based on the proposed lot sizes, it can be assumed up to 100,000 square feet of buildings can be developed. Additional improvements include the development of a retention basin on the north end of the property.

Development of the gas station/mini-mart is anticipated to occur over a six-month period. Construction equipment will vary and includes the following:

- Excavators/earth-moving equipment.
- Depending on the foundation system, auger rig or pile-driving rig.
- All-terrain forklifts.
- A man/material hoist.
- Truck cranes.
- Concrete trucks.
- Dump trucks.

- Street sweepers/water trucks for dust control.
- Construction delivery trucks (typically box trucks of flat beds).
- Small tools (generators, light plants, compactors, air compressors).

Entitlements

In order for the project to be constructed, approval of the following actions is required:

- Zone Change and General Plan Amendment – Mixed Use to Regional Commercial and Light Industrial.
- Conditional Use Permit.
- Subdivision Map.
- Major Site Plan Review.

The project also proposes to rezone and subdivide the eastern portion of the site; however, no development is planned for these parcels at this time. The project analyzed in the IS/MND accounts for general industrial uses as allowed in the Lemoore Zoning Code; however, the future proposed development on these parcels may require additional environmental review.

Mailing Address and Phone Number of Contact Person

Nathan Olson, City Manager
Phone: (559) 924-6744
711 W. Cinnamon Drive
Lemoore, CA

Findings

As Lead Agency, the City finds that the project will not have a significant effect on the environment. The Initial Study (IS) (see *Section 3 - Environmental Checklist*) identified one or more potentially significant effects on the environment, but revisions to the project have been made before the release of this Mitigated Negative Declaration (MND) or mitigation measures would be implemented that reduce all potentially significant impacts to less-than-significant levels. The City further finds that there is no substantial evidence that this project would have a significant effect on the environment.

Mitigation Measures Included in the Project to Avoid Potentially Significant Effects

MITIGATION MEASURE(S)

MM BIO-1: Prior to ground-disturbing activities, a qualified wildlife biologist shall conduct a biological clearance survey between 14 and 30 days prior to the onset of construction.

The clearance survey shall include walking transects to identify the presence of San Joaquin kit fox, burrowing owl, nesting birds, and other special-status species. The preconstruction survey shall be walked by no greater than 30-foot transects for 100 percent coverage of the project and a 50-foot buffer, where feasible. If no evidence of special-status species is detected, no further action is required except measures BIO-4 through BIO-6 shall be implemented.

MM BIO-2: The following avoidance and minimization measures shall be implemented during all phases of the project to reduce the potential for impact from the project. They are modified from the *U.S. Fish and Wildlife Service Standardized Recommendations for Protection of the Endangered SJKF Prior to or During Ground Disturbance* (USFWS 2011, Appendix F).

a. All food-related trash items such as wrappers, cans, bottles, and food scraps shall be disposed of in securely closed containers. All food-related trash items such as wrappers, cans, bottles, and food scraps shall be disposed of in securely closed containers and removed at least once a week from the construction or project site.

b. Construction-related vehicle traffic shall be restricted to established roads and predetermined ingress and egress corridors, staging, and parking areas. Vehicle speeds shall not exceed 20 miles per hour (mph) within the project site.

c. To prevent inadvertent entrapment of kit fox or other animals during construction, the contractor shall cover all excavated, steep-walled holes or trenches more than two feet deep at the close of each workday with plywood or similar materials. If holes or trenches cannot be covered, one or more escape ramps constructed of earthen fill or wooden planks shall be installed in the trench. Before such holes or trenches are filled, the contractor shall thoroughly inspect them for entrapped animals. All construction-related pipes, culverts, or similar structures with a diameter of four inches or greater that are stored on the project site shall be thoroughly inspected for wildlife before the pipe is subsequently buried, capped, or otherwise used or moved in any way. If at any time an entrapped or injured kit fox is discovered, work in the immediate area shall be temporarily halted and USFWS and CDFW shall be consulted.

d. Kit foxes are attracted to den-like structures such as pipes and may enter stored pipes and become trapped or injured. All construction pipes, culverts, or similar structures with a diameter of four inches or greater that are stored at a construction site for one or more overnight periods shall be thoroughly inspected for kit foxes before the pipe is subsequently buried, capped, or otherwise used or moved in any way. If a kit fox is discovered inside a pipe, that section of pipe shall not be moved until the USFWS and CDFW have been consulted. If necessary, and under the direct supervision of the biologist, the pipe may be moved only once to remove it from the path of construction activity, until the fox has escaped.

e. No pets, such as dogs or cats, shall be permitted on the project sites to prevent harassment, mortality of kit foxes, or destruction of dens.

f. Use of anti-coagulant rodenticides and herbicides in project sites shall be restricted. This is necessary to prevent primary or secondary poisoning of kit foxes and the depletion of prey populations on which they depend. All uses of such compounds shall observe labels and other restrictions mandated by the U.S. Environmental Protection Agency, California Department of Food and Agriculture, and other State and federal legislation, as well as additional project-related restrictions deemed necessary by the USFWS and CDFW. If rodent control must be conducted, zinc phosphide shall be used because of the proven lower risk to kit foxes.

g. A representative shall be appointed by the project proponent who will be the contact source for any employee or contractor who might inadvertently kill or injure a kit fox or who finds a dead, injured, or entrapped kit fox. The representative shall be identified during the employee education program and their name and telephone number shall be provided to the USFWS.

h. The Sacramento Fish and Wildlife Office of USFWS and CDFW shall be notified in writing within three working days of the accidental death or injury to a SJKF during project-related activities. Notification must include the date, time, and location of the incident or of the finding of a dead or injured animal and any other pertinent information. The USFWS contact is the Chief of the Division of Endangered Species, at the addresses and telephone numbers below. The CDFW contact can be reached at (559) 243-4014 and R4CESA@wildlifeca.gov.

i. All sightings of the SJKF shall be reported to the California Natural Diversity Database (CNDDB). A copy of the reporting form and a topographic map clearly marked with the location of where the kit fox was observed shall also be provided to the Service at the address below.

j. Any project-related information required by the USFWS or questions concerning the above conditions, or their implementation may be directed in writing to the U.S. Fish and Wildlife Service at: Endangered Species Division, 2800 Cottage Way, Suite W 2605, Sacramento, California 95825-1846, phone: (916) 414-6620 or (916) 414-6600.

k. New sightings of SJKF should be reported to the CNDDB.

MM BIO-3: Within 14 days prior to the start of project ground-disturbing activities, a pre-activity survey with a 500-foot buffer shall be conducted by a qualified biologist knowledgeable in the identification of these species and approved by the CDFW. If dens/burrows that could support any of these species are discovered during the pre-activity survey conducted under MM BIO-1, the avoidance buffers outlined below should be established. No work would occur within these buffers unless the biologist approves and monitors the activity.

San Joaquin Kit Fox:

- Potential or Atypical den – 50 feet
- Known den – 100 feet
- Natal or pupping den – 500 feet, unless otherwise specified by CDFW

MM BIO-4: If construction is planned outside the nesting period for raptors (other than burrowing owl) and migratory birds (February 15 to August 31), no mitigation shall be required. If construction is planned during the nesting season for migratory birds and raptors, a preconstruction survey to identify active bird nests shall be conducted by a qualified biologist to evaluate the site and a 250-foot buffer for migratory birds and a 500-foot buffer for raptors. If nesting birds are identified during the survey, active raptor nests shall be avoided by 500 feet and all other migratory bird nests shall be avoided by 250 feet. Avoidance buffers may be reduced if a qualified onsite monitor determines that encroachment into the buffer area is not affecting nest building, the rearing of young, or otherwise affecting the breeding behaviors of the resident birds. Because nesting birds can establish new nests or produce a second or even third clutch at any time during the nesting season, nesting bird surveys shall be repeated every 30 days as construction activities are occurring throughout the nesting season.

No construction or earth-moving activity shall occur within a non-disturbance buffer until it is determined by a qualified biologist that the young have fledged (left the nest) and have attained sufficient flight skills to avoid project construction areas. Once the migratory birds or raptors have completed nesting and the young have fledged, disturbance buffers will no longer be needed and may be removed, and monitoring may cease.

MM BIO-5: A qualified biologist shall conduct a preconstruction survey on the project site and within 500 feet of its perimeter, where feasible, to identify the presence of the western burrowing owl. The survey shall be conducted between 14 and 30 days prior to the start of construction activities. If any burrowing owl burrows are observed during the preconstruction survey, avoidance measures shall be consistent with those included in the CDFW *Staff Report on Burrowing Owl Mitigation* (CDFG 2012). If occupied burrowing owl burrows are observed outside of the breeding season (September 1 through January 31) and within 250 feet of proposed construction activities, a passive relocation effort may be instituted in accordance with the guidelines established by the California Burrowing Owl Consortium (1993) and the California Department of Fish and Wildlife (2012). During the breeding season (February 1 through August 31), a 500-foot (minimum) buffer zone shall be maintained unless a qualified biologist verifies through noninvasive methods that either the birds have not begun egg laying and incubation or that juveniles from the occupied burrows are foraging independently and are capable of independent survival.

In addition, impacts to occupied burrowing owl burrows shall be avoided in accordance with the following table unless a qualified biologist approved by CDFW verifies through non-invasive methods that either: (1) the birds have not begun egg laying and incubation; or (2) that juveniles from the occupied burrows are foraging independently and are capable of independent survival.

Location	Time of Year	Level of Disturbance		
		Low	Med	High
Nesting Sites	April 1 – Aug 15	200 m	500 m	500 m
Nesting Sites	Aug 16 – Oct 15	200 m	200 m	500 m
Nesting Sites	Oct 16 – Mar 31	50 m	100 m	500 m

MM BIO-6: Prior to ground-disturbance activities, or within one week of being deployed at the project site for newly hired workers, all construction workers at the project site shall attend a Construction Worker Environmental Awareness Training and Education Program, developed and presented by a qualified biologist.

The Construction Worker Environmental Awareness Training and Education Program shall be presented by the biologist and shall include information on the life histories of special-status wildlife and plant species that may be encountered during construction activities, their legal protections, the definition of "take" under the Endangered Species Act, measures the project operator is implementing to protect the species, reporting requirements, specific measures that each worker must employ to avoid take of the species, and penalties for violation of the Act. Identification and information regarding special-status or other sensitive species with the potential to occur on the project site shall also be provided to construction personnel. The program shall include:

- An acknowledgment form signed by each worker indicating that environmental training has been completed.
- A copy of the training transcript and/or training video/CD, as well as a list of the names of all personnel who attended the training and copies of the signed acknowledgment forms, shall be maintained onsite for the duration of construction activities.

MM CUL-1: Prior to the issuance of building permits, a qualified archeologist shall conduct a cultural resource survey of the project site. If prehistoric or historic-era cultural materials are encountered as a result of the survey, the qualified archeologist shall make recommendations and take further measures to avoid impacts on cultural resources. These measures can include avoidance, testing, and evaluation or data recovery excavation.

MM CUL-2: Prior to any ground disturbance, the applicant shall offer interested tribes the opportunity to provide a Native American Monitor during ground-disturbing activities during construction. Tribal participation would be dependent upon the availability and interest of the tribe.

Upon coordination with the Lead Agency, any archaeological artifacts recovered shall be donated to an appropriate Tribal Custodian or a qualified scientific institution where they would be afforded long-term preservation. Documentation for the work shall be provided in accordance with applicable cultural resource laws and guidelines.

MM CUL-3: If requested, prior to any ground disturbance, a surface inspection of the site shall be conducted by a Tribal Monitor. The Tribal Monitor shall monitor the site during initial grading or ground-disturbance activities. The Tribal Cultural Staff shall provide preconstruction briefings to supervisory personnel and any excavation contractor, which will include information on potential cultural material finds and, on the procedures, to be enacted if resources are found. Tribal participation would be dependent upon the availability and interest of the tribe.

If prehistoric or historic-era cultural materials are encountered during construction activities, all work in the immediate vicinity of the find shall halt until a qualified archaeologist can evaluate the find and make recommendations. Cultural resource materials may include prehistoric resources such as flaked and ground stone tools and debris, shell, bone, ceramics, and fire-affected rock as well as historic resources such as glass, metal, wood, brick, or structural remnants. If the qualified archaeologist determines that the discovery represents a potentially significant cultural resource, additional investigations may be required to mitigate adverse impacts from project implementation. These additional studies may include avoidance, testing, and evaluation or data recovery excavation. Implementation of the mitigation measure would ensure that the proposed project would not cause a substantial adverse change in the significance of a historical resource.

The Lead Agency along with other relevant or tribal officials shall be contacted upon the discovery of cultural resources to begin coordination on the disposition of the find(s). Treatment of any significant cultural resources shall be undertaken with the approval of the Lead Agency.

MM CUL-4: If human remains are discovered during construction or operational activities, further excavation or disturbance shall be prohibited pursuant to Section 7050.5 of the California Health and Safety Code. The specific protocol, guidelines, and channels of communication outlined by the Native American Heritage Commission, in accordance with Section 7050.5 of the Health and Safety Code, Section 5097.98 of the Public Resources Code (Chapter 1492, Statutes of 1982, Senate Bill 297), and Senate Bill 447 (Chapter 44, Statutes of 1987), shall be followed. Section 7050.5(c) shall guide the potential Native American involvement, in the event of the discovery of human remains, at the direction of the county coroner.

MM GEO-1: If the proposed development will disturb an area of one or more acres, prior to issuing of grading or building permits, the project applicant shall submit to the City: (1) the approved Stormwater Pollution Prevention Plan (SWPPP) and (2) the Notice of Intent (NOI) to comply with the General National Pollutant Discharge Elimination System (NPDES) from the Central Valley Regional Water Quality Control Board. The requirements of the SWPPP and NPDES shall be incorporated into design specifications and construction contracts. Recommended Best Management Practices for the construction phase may include the following:

- Stockpiling and disposing of demolition debris, concrete, and soil properly.
- Protecting existing storm drain inlets and stabilizing disturbed areas.

- Implementing erosion controls.
- Properly managing construction materials.
- Managing waste, aggressively controlling litter, and implementing sediment controls.

Evidence of the approved SWPPP shall be submitted to the Lead Agency.

MM GEO-2: If any paleontological resources are encountered during ground-disturbance activities, all work within 25 feet of the find shall halt until a qualified paleontologist as defined by the Society of Vertebrate Paleontology Standard Procedures for the Assessment and Mitigation of Adverse Impacts to Paleontological Resources (2010), can evaluate the find and make recommendations regarding treatment. Paleontological resource materials may include resources such as fossils, plant impressions, or animal tracks preserved in rock. The qualified paleontologist shall contact the Natural History Museum of Los Angeles County or another appropriate facility regarding any discoveries of paleontological resources.

If the qualified paleontologist determines that the discovery represents a potentially significant paleontological resource, additional investigations, and fossil recovery may be required to mitigate adverse impacts from project implementation. If avoidance is not feasible, the paleontological resources shall be evaluated for their significance. If the resources are not significant, avoidance is not necessary. If the resources are significant, they shall be avoided to ensure no adverse effects or such effects must be mitigated. Construction in that area shall not resume until the resource-appropriate measures are recommended or the materials are determined to be less than significant. If the resource is significant and fossil recovery is the identified form of treatment, then the fossil shall be deposited in an accredited and permanent scientific institution. Copies of all correspondence and reports shall be submitted to the Lead Agency.

MM NSE-1: During construction, the contractor shall implement the following measures:

a. All stationary construction equipment on the project site shall be located so that noise-emitting objects or equipment face away from any potential sensitive receptors.
b. The construction contractor shall ensure that all construction equipment is equipped with manufacturer-approved mufflers and baffles. During construction, stationary construction equipment shall be placed such that emitted noise is directed away from sensitive noise receivers.
c. Construction activities shall take place during daylight hours, when feasible.

MM NSE-2: Prior to the issuance an occupancy permit for the first building permit(s), the proposed light industrial zoned parcels abutting residential zone districts along the eastern property line shall be screened with a minimum six-foot masonry wall or similar solid wall.

MM NSE-3: No materials related to an industrial operation shall be stored within the yard setback to a height of more than six feet within 25 feet of property lines adjacent to the residential zone district.

MM TRA-1: Prior to the issuance of building permits for the commercial development and subsequent industrial development, the developer and any future developer shall pay its pro rata share for:

- Signalization of the 19th Avenue and Iona Avenue intersection based on 49.7 percent.

SECTION 1 - INTRODUCTION

1.1 - Overview

The project proposes the development of a 20.5-acre property located on the northeast corner of West Iona Avenue and South 19th Avenue. The project proposes to construct and operate a gas station/mini-mart on a portion of the property. In the future, a fast-food restaurant with a drive-through lane would be developed. In addition, a portion of the project site will be subdivided to allow for the future construction and operation of light industrial uses.

1.2 - CEQA Requirements

The City of Lemoore is the Lead Agency for this project pursuant to the CEQA Guidelines (Public Resources Code Section 15000 et seq.). The Environmental Checklist (CEQA Guidelines Appendix G) or Initial Study (IS) (see *Section 3 – Initial Study*) provides analysis that examines the potential environmental effects of the construction and operation of the project. Section 15063 of the CEQA Guidelines requires the Lead Agency to prepare an IS to determine whether a discretionary project will have a significant effect on the environment. A Mitigated Negative Declaration (MND) is appropriate when an IS has been prepared and a determination can be made that no significant environmental effects will occur because revisions to the project have been made or mitigation measures will be implemented that reduce all potentially significant impacts to less-than-significant levels. The content of an MND is the same as a Negative Declaration, with the addition of identified mitigation measures and a Mitigation Monitoring and Reporting Program (MMRP) (see Section 6 – *Mitigation Monitoring and Reporting Program*).

Based on the IS, the Lead Agency has determined that the environmental review for the proposed application can be completed with an MND.

1.3 - Impact Terminology

The following terminology is used to describe the level of significance of project environmental impacts.

- A finding of "no impact" is appropriate if the analysis concludes that the project would not affect a topic area in any way.
- An impact is considered "less than significant" if the analysis concludes that it would cause no substantial adverse change to the environment and requires no mitigation.
- An impact is considered "less than significant with mitigation incorporated" if the analysis concludes that it would cause no substantial adverse change to the environment with the inclusion of environmental commitments that have been agreed to by the proponent.
- An impact is considered "potentially significant" if the analysis concludes that it could have a substantial adverse effect on the environment.

1.4 - Document Organization and Contents

The content and format of this IS/MND is designed to meet the requirements of CEQA. The report contains the following sections:

- *Section 1 – Introduction:* This section provides an overview of CEQA requirements, intended uses of the IS/MND, document organization, and a list of regulations that have been incorporated by reference.
- *Section 2– Project Description:* This section describes the project and provides data on the site's location.
- *Section 3 – Environmental Checklist:* This section contains the evaluation of 21 different environmental resource factors contained in Appendix G of the CEQA Guidelines. Each environmental resource factor is analyzed to determine whether the proposed project would have an impact. One of four findings is made which include: no impact, less-than-significant impact, less than significant with mitigation, or significant and unavoidable. If the evaluation results in a finding of significant and unavoidable for any of the 21 environmental resource factors, then an Environmental Impact Report will be required.
- *Section 4 – References:* This section contains a full list of references that were used in the preparation of this IS/MND.
- *Section 5- Preparers*
- *Section 6- Mitigation Monitoring and Reporting Program* (RESERVED)

1.5 - Incorporated by Reference

The following documents and/or regulations are incorporated into this IS/MND by reference:

- City of Lemoore General Plan.
- City of Lemoore Municipal Code.
- City of Lemoore Development Standards.
- City of Lemoore 2015 Urban Water Management Plan.
- 2015 Kings County Emergency Operations Plan.
- Kings County General Plan.
- Title 24 Building Code.

SECTION 2 - PROJECT DESCRIPTION

2.1 - Project Location

The project site is a 20.5-acre property located on the northeast corner of South 19th Avenue and West Iona Avenue in the City of Lemoore, Kings County, CA (Figures 2-1 and 2-2). The project site is on Assessor's Parcel Numbers (APN) 023-310-012-000 and 023-210-011-000 within Section 10, Township 19S, Range 20E, Mount Diablo Base and Meridian (MDB&M).

2.2 - Surrounding Land Uses

The project is within city limits and is classified as Mixed Use. The site is shown in the Lemoore General Plan within the Planning Area and within Urban Growth Boundary and designates the project site as Mixed Use.

The project site is located in a developing area in the City of Lemoore. Surrounding land uses include residential, commercial, and undeveloped land to the east, the interchange of State Route (SR) 198 at South 19th Avenue to the north, commercial uses to the west, and industrial uses to the south.

2.3 - Project Environment

The project site is currently undeveloped. Fire service would be served by the Lemoore Fire Department located at 210 Fox Street in Lemoore. Police service would be served by the City of Lemoore Police Department located at 657 Fox Street in Lemoore. Sanitation/garbage collection will be provided by a local waste hauler. Water and sewer service will be provided by the City.

2.4 - Proposed Project

The project requests a Zone Change/General Plan Amendment from Mixed Use to Regional Commercial for an approximately 4.13-acre portion of the site and approval of a Conditional Use Permit to allow for the construction and development of a gas station/mini-mart. The project would include an 8,952-square-foot building with fuel canopies for gas and diesel pumps (Figure 2-3). In the future, a fast-food restaurant with a drive-through lane would be developed.

The remaining easterly portion of the site would change from Mixed Use to Light Industrial to allow for the development of an industrial park to accommodate future compatible uses. The site would be divided into 23 separate lots with the approval of a subdivision map (Figure 2-4). The size of the buildings is not known, but based on the proposed lot sizes, it can be assumed up to 100,000 square feet of buildings can be developed. Additional improvements include the development of a retention basin on the north end of the property.

Development of the gas station/mini-mart is anticipated to occur over a six-month period. Construction equipment will vary over the course of development and include the following:

- Excavators/earth-moving equipment.
- Depending on the foundation system, auger rig or pile-driving rig.
- All-terrain forklifts.
- A man/material hoist.
- Truck cranes.
- Concrete trucks.
- Dump trucks.
- Street sweepers/water trucks for dust control.
- Construction delivery trucks (typically box trucks of flat beds).
- Small tools (generators, light plants, compactors, air compressors).

The project includes no known development of the industrial park at this time. The project analyzed in the IS/MND accounts for general industrial uses as allowed by the Lemoore Zoning Code; however, the future proposed development on these parcels may require additional environmental review.

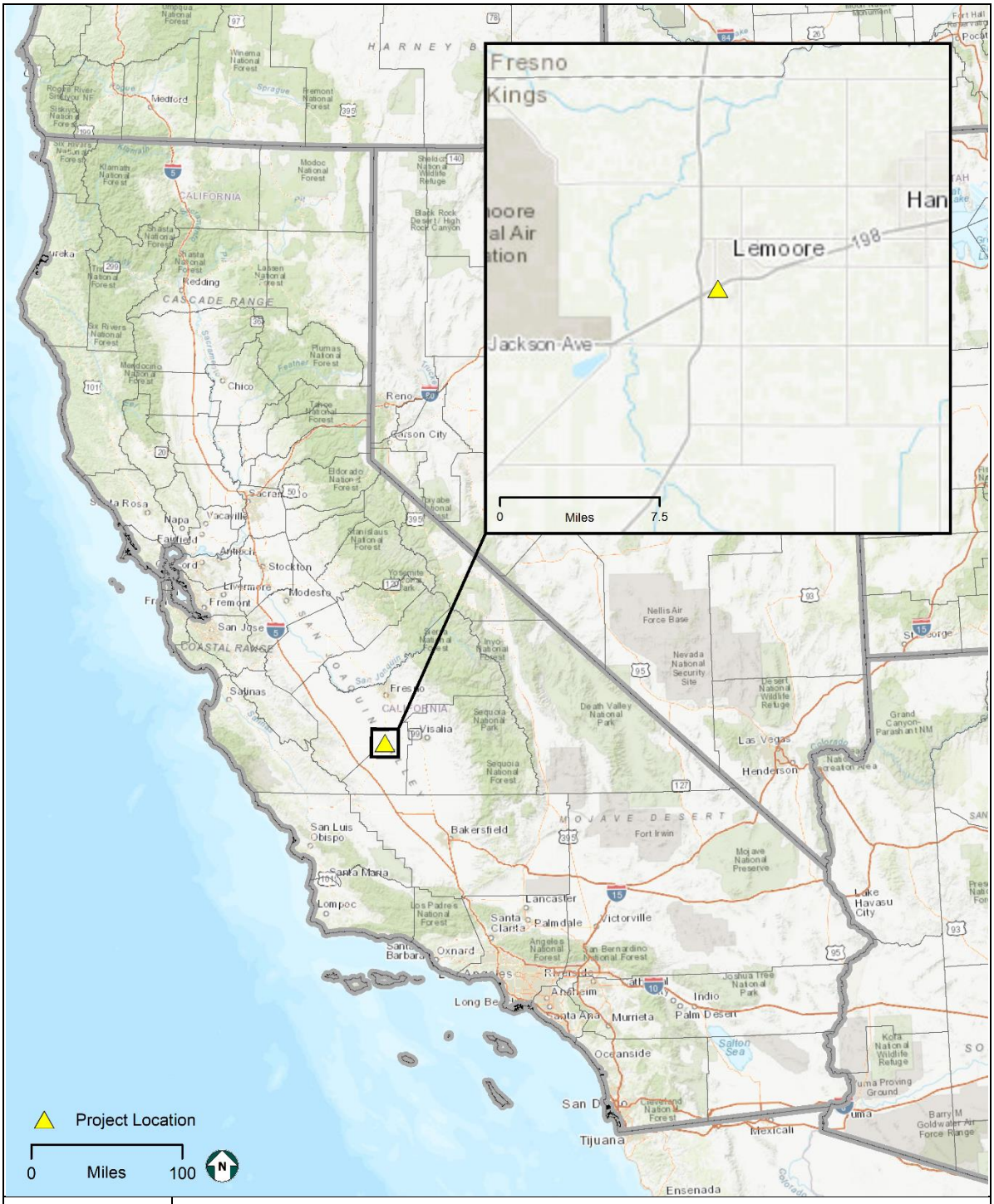

Figure 2-1
Regional Location

Figure 2-2
Project Site

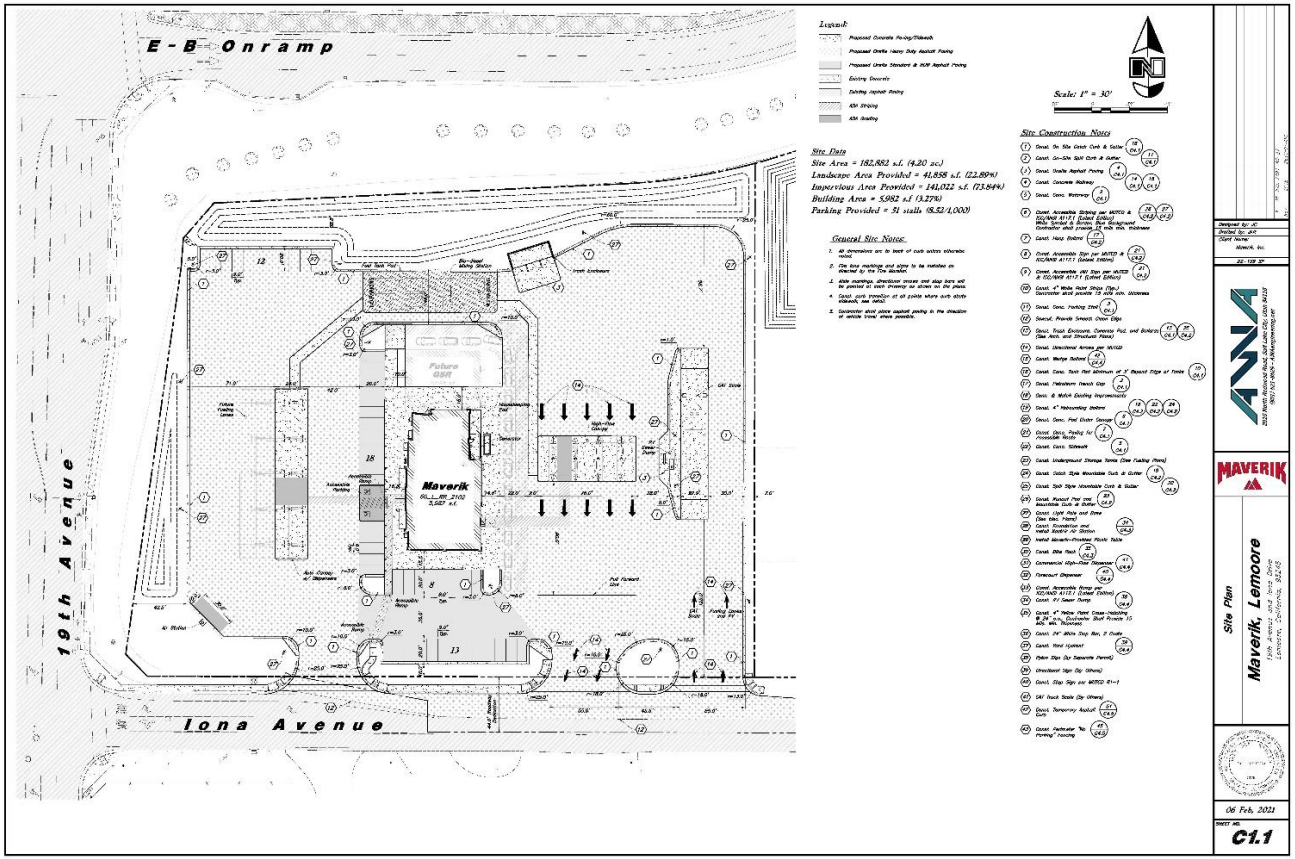

Figure 2-3
Site Plan – Gas Station and Mini-Mart

Figure 2-4
Site Plan – Industrial Park

SECTION 3 - EVALUATION OF ENVIRONMENTAL IMPACTS

3.1 - Environmental Checklist and Discussion

1. **Project Title:**

   Maverik Gas Station and Industrial Park Project

2. **Lead Agency Name and Address:**

   City of Lemoore
   711 W. Cinnamon Drive
   Lemoore, CA 93245

3. **Contact Person and Phone Number:**

   Nathan Olson, City Manager
   Phone: (559) 924-6744

4. **Project Location:**

   The project site is located on the northeast corner of South 19th Avenue and West Iona Avenue in the City of Lemoore, Kings County, CA. The project site is on Assessor's Parcel Numbers (APN) 023-310-012-000 and 023-210-011-000 within Section 10, Township 19S, Range 20E, MDB&M.

5. **Proposed General Plan Designation/Zone District:**

   Regional Commercial and Light Industrial

6. **Current General Plan/Zone District:**

   Mixed Use

7. **Description of Project:**

   See *Section 2.4 – Proposed Project*.

8. **Surrounding Land Uses and Setting:**

   See *Section 2.3 – Surrounding Land Uses* and Figure 2-3.

9. **Other Public Agencies Whose Approval May be Required:**

- San Joaquin Valley Air Pollution Control District (SJVAPCD)
- Regional Water Quality Control Board (RWQCB)

10. **Have California Native American tribes traditionally and culturally affiliated with the project area requested consultation pursuant to Public Resources Code Section 21080.3.1? If so, has consultation begun?**

In compliance with SB 18 and AB 52, the Native American Heritage Commission (NAHC) conducted a search of its Sacred Lands File to identify previously recorded sacred sites or cultural resources of special importance to tribes and provide contact information for local Native American representatives who may have information about the project area. A Sacred Lands File Request was also completed by the Native American Heritage Commission (NAHC) on March 15, 2023. Outreach letters were sent to the tribal organizations on the NAHC-provided contact list, with follow-up emails sent.

NOTE: Conducting consultation early in the CEQA process allows tribal governments, lead agencies, and project proponents to discuss the level of environmental review, identify and address potential adverse impacts to tribal cultural resources, and reduce the potential for delay and conflict in the environmental review process. (See Public Resources Code Section 21083.3.2.) Information may also be available from the California Native American Heritage Commission's Sacred Lands File per Public Resources Code Section 5097.96 and the California Historical Resources Information System administered by the California Office of Historic Preservation. Please also note that Public Resources Code Section 21082.3(c) contains provisions specific to confidentiality.

3.2 - Environmental Factors Potentially Affected:

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

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

3.3 - Determination

On the basis of this initial evaluation:

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

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

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

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

☐ I find that although the proposed project could have a significant effect on the environment because all potentially significant effects (a) have been analyzed adequately in an earlier EIR or NEGATIVE DECLARATION pursuant to applicable

standards, and (b) have been avoided or mitigated pursuant to that earlier EIR or NEGATIVE DECLARATION, including revisions or mitigation measures that are imposed upon the proposed project, nothing further is required.

Nathan Olson — *April 7, 2023*

Nathan Olson, City Manager — Date

3.4 - Evaluation of Environmental Impacts

1. A brief explanation is required for all answers except "No Impact" answers that are adequately supported by the information sources a lead agency cites in the parentheses following each question. A "No Impact" answer is adequately supported if the referenced information sources show that the impact simply does not apply to projects like the one involved (e.g., the project falls outside a fault rupture zone). A "No Impact" answer should be explained where it is based on project-specific factors as well as general standards (e.g., the project will not expose sensitive receptors to pollutants, based on a project-specific screening analysis).

2. All answers must take account of the whole action involved, including offsite as well as onsite, cumulative as well as project-level, indirect as well as direct, and construction as well as operational impacts.

3. Once the lead agency has determined that a particular physical impact may occur, then the checklist answers must indicate whether the impact is potentially significant, less than significant with mitigation, or less than significant. "Potentially Significant Impact" is appropriate if there is substantial evidence that an effect may be significant. If there are one or more "Potentially Significant Impact" entries when the determination is made, an EIR is required.

4. "Negative Declaration: "Less Than Significant With Mitigation Incorporated" applies where the incorporation of mitigation measures has reduced an effect from "Potentially Significant Impact" to a "Less-Than-Significant Impact." The lead agency must describe the mitigation measures, and briefly explain how they reduce the effect to a less-than-significant level (mitigation measures from "Earlier Analyses," as described in (5) below, may be cross-referenced).

5. Earlier analyses may be used where, pursuant to the tiering, program EIR, or other CEQA process, an effect has been adequately analyzed in an earlier EIR or negative declaration. Section 15063(c)(3)(D). In this case, a brief discussion should identify the following:

    a. Earlier Analysis Used. Identify and state where they are available for review;
    b. Impacts Adequately Addressed. Identify which effects from the above checklist were within the scope of and adequately analyzed in an earlier document pursuant to applicable legal standards, and state whether such effects were addressed by mitigation measures based on the earlier analysis; and
    c. Mitigation Measures. For effects that are "Less than Significant with Mitigation Measures Incorporated," describe the mitigation measures which were incorporated or refined from the earlier document and the extent to which they address site-specific conditions for the project.

6. Lead agencies are encouraged to incorporate into the checklist references to information sources for potential impacts (e.g., general plans, zoning ordinances). Reference to a

previously prepared or outside document should, where appropriate, include a reference to the page or pages where the statement is substantiated.

7. Supporting Information Sources: A source list should be attached, and other sources used, or individuals contacted should be cited in the discussion.

8. This is only a suggested form, and lead agencies are free to use different formats; however, lead agencies should normally address the questions from this checklist that are relevant to a project's environmental effects in whatever format is selected.

9. The explanation of each issue should identify:

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

		Potentially Significant Impact	Less than Significant with Mitigation Incorporated	Less-than-Significant Impact	No Impact
3.4.1 - AESTHETICS					
Would the project:					
a.	Have a substantial adverse effect on a scenic vista?	☐	☐	☐	☒
b.	Substantially damage scenic resources, including, but not limited to, trees, rock outcroppings, and historic buildings within a state scenic highway?	☐	☐	☒	☐
c.	In a non-urbanized area, substantially degrade the existing visual character or quality of public views of the site and its surroundings? If the project is in an urbanized area, would the project conflict with applicable zoning and other regulations governing scenic quality?	☐	☐	☒	☐
d.	Create a new source of substantial light or glare that would adversely affect day or nighttime views in the area?	☐	☐	☒	☐

Discussion

Impact #3.4.1a – Would the project have a substantial adverse effect on a scenic vista?

The site is located within an area consisting of residential, commercial, and industrial uses. The site is currently undeveloped and the topography is generally flat.

A scenic vista is a viewpoint that provides a distant view of highly valued natural or man-made landscape features for the benefit of the general public. Typical scenic vistas are locations where views of rivers, hillsides, and open space areas can be obtained as well as locations where valued urban landscape features can be viewed in the distance. The City of Lemoore 2030 General Plan Community Design Element requires those scenic vistas to the Coalinga Mountains, other natural features, and landmark buildings to be maintained (City of Lemoore, 2008).

The project would have no impact to a scenic vista.

MITIGATION MEASURE(S)

No mitigation is required.

LEVEL OF SIGNIFICANCE

There would be ***no impact***.

Impact #3.4.1b – Would the project substantially damage scenic resources, including, but not limited to, trees, rock outcroppings, and historic buildings within a state scenic highway?

There are no listed State scenic highways within or near the City of Lemoore, nor are there scenic highways in Kings County (California Department of Transportation, 2023). The closest eligible scenic highway is a portion of SR 198, southwest of SR 33, which is approximately 28 miles west of the project site.

There are no natural features or landmark buildings within the vicinity of the project site, nor would it impede views of the Coalinga Mountains or other natural features. Further, the project does not include the removal of trees determined to be scenic or of scenic value, the destruction of rock outcroppings, or the degradation of any historic building. The project will not result in development that is substantially different than surrounding land uses. Therefore, impacts to scenic resources would be less than significant.

MITIGATION MEASURE(S)

No mitigation is required.

LEVEL OF SIGNIFICANCE

Impacts would be ***less than significant***.

Impact #3.4.1c – In a non-urbanized area, substantially degrade the existing visual character or quality of public views of the site and its surroundings? If the project is in an urbanized area, would the project conflict with applicable zoning and other regulations governing scenic quality?

The proposed project is located in an undeveloped area that is becoming more urbanized with surrounding industrial, residential, and commercial uses. The project would be visible to passing motorists driving along SR 198, South 19th Avenue, and West Iona Avenue. Because of its proximity to the SR 198 interchange at South 18th Avenue, the site is a logical location for the development of a regional commercial use. Although the project's appearance will change the visual character of the site, it will be similar in character to the existing commercial and industrial developments in the vicinity and along the SR 198 corridor. Development of the gas station/mini-mart and future development of the light industrial portion of the site will be in compliance with the City's Municipal Code for development and would result in a less-than-significant impact.

MITIGATION MEASURE(S)

No mitigation is required.

LEVEL OF SIGNIFICANCE

Impacts would be *less than significant*.

Impact #3.4.1d – Would the project create a new source of substantial light or glare that would adversely affect day or nighttime views in the area?

CONSTRUCTION

Construction of the proposed project would be temporary and occur during daytime hours, typically from 7:00 a.m. to 6:00 p.m. Any lighting used during construction would be directed downward and shielded to focus illumination on the desired work areas only and prevent light spillage onto adjacent properties. Because lighting used to illuminate work areas would be shielded, focused downward, and turned off by 6:00 p.m., the potential to affect any residents adversely is minimal. Increased truck traffic and the transport of construction materials to the project site could temporarily increase glare conditions during construction. However, this increase in glare would be minimal. Therefore, the construction of the proposed gas station/mini-mart and eventual development of the proposed industrial area would not create a new source of substantial glare that would affect daytime views in the area.

OPERATION

The exterior streetlights and building lighting will be designed to minimize reflective glare and light scatter, as required by City Municipal Codes and development standards regarding outdoor lighting (e.g., Code 9-5B-4- Outdoor Lighting) and street lighting. These requirements would substantially reduce potential nuisances from light or glare. The project will comply with applicable local development standards. The project site is located in an area predominantly developed with commercial/industrial uses and is bounded by the SR 198/South 18th Avenue interchange. Therefore, the proposed project would not create significant new sources of substantial light or glare that would adversely affect day or nighttime views in the area. Therefore, the project would have a less-than-significant impact.

MITIGATION MEASURE(S)

No mitigation is required.

LEVEL OF SIGNIFICANCE

Impacts would be *less than significant*.

	Potentially Significant Impact	Less than Significant with Mitigation Incorporated	Less-than-Significant Impact	No Impact

3.4.2 - AGRICULTURE AND FORESTRY RESOURCES

In determining whether impacts to agricultural resources are significant environmental effects, lead agencies may refer to the California Agricultural Land Evaluation and Site Assessment Model (1997) prepared by the California Department of Conservation as an optional model to use in assessing impacts on agriculture and farmland. In determining whether impacts to forest resources, including timberland, are significant environmental effects, lead agencies may refer to information compiled by the California Department of Forestry and Fire Protection regarding the state's inventory of forest land, including the Forest and Range Assessment Project and the Forest Legacy Assessment Project; and forest carbon measurement methodology provided in Forest Protocols adopted by the California Air Resources Board. Would the project:

a.	Convert Prime Farmland, Unique Farmland, or Farmland of Statewide Importance (Farmland), as shown on the maps prepared pursuant to the Farmland Mapping and Monitoring Program of the California Resources Agency, to nonagricultural use?	☐	☐	☐	☒
b.	Conflict with existing zoning for agricultural use or a Williamson Act contract?	☐	☐	☐	☒
c.	Conflict with existing zoning for, or cause rezoning of, forest land (as defined in Public Resources Code Section 12220(g)), timberland (as defined by Public Resources Code Section 4526), or timberland zoned Timberland Production (as defined by Government Code Section 51104(g))?	☐	☐	☐	☒
d.	Result in the loss of forest land or conversion of forest land to non-forest use?	☐	☐	☐	☒
e.	Involve other changes in the existing environment which, due to their location or nature, could result in conversion of Farmland, to nonagricultural use or conversion of forest land to non-forest use?	☐	☐	☐	☒

Discussion

Impact #3.4.2a – Would the project convert Prime Farmland, Unique Farmland, or Farmland of Statewide Importance (Farmland), as shown on the maps prepared pursuant to the Farmland Mapping and Monitoring Program of the California Resources Agency, to nonagricultural use?

The proposed project is currently zoned for mixed use commercial uses. CEQA uses the California Department of Conservation Division of Land Resource Protection's Farmland

Mapping Project (FMMP) categories of "Prime Farmland," "Farmland of Statewide Importance," and "Unique Farmland" to define "agricultural land" for the purposes of assessing environmental impacts (PRC Section 21060.1(a)).

According to the Department of Conservation's Farmland Mapping and Monitoring Program (FMMP), the project site is classified as vacant and disturbed land. Therefore, the project would not result in the conversion of Prime Farmland, Unique Farmland, or Farmland of Statewide Importance. The project would result in no impact.

MITIGATION MEASURE(S)

No mitigation is required.

LEVEL OF SIGNIFICANCE

There would be *no impact.*

Impact #3.4.2b – Would the project conflict with existing zoning for agricultural use or a Williamson Act contract?

See response to Impact #3.4.2a.

The project site is not zoned for agriculture and is not subject to a Williamson Act contract. Based on almost 30 years of available aerial imagery, the property has never been farmed. None of the adjacent or surrounding properties are zoned for agricultural or under cultivation, and therefore, would not conflict with any current Williamson Act contracted land in the vicinity. The construction of the project would not result in a conflict with existing zoning for agricultural use or a Williamson Act contract, and there would be no impact.

MITIGATION MEASURE(S)

No mitigation is required.

LEVEL OF SIGNIFICANCE

There would be *no impact*.

Impact #3.4.2c – Would the project conflict with existing zoning for, or cause rezoning of, forest land (as defined in Public Resources Code Section 12220(g)), timberland (as defined by Public Resources Code Section 4526), or timberland zoned Timberland Production (as defined by Government Code Section 51104(g))?

See Impact #3.4.2b. The Public Resources Code Section 12220(g) and Section 4526 defines "Forest land" as land that can support 10-percent native tree cover of any species, including hardwoods, under natural conditions, and that allows for the management of one or more forest resources, including timber, aesthetics, fish and wildlife, biodiversity, water quality, recreation, and other public benefits. There are no forest lands identified on the project site

or within its vicinity; therefore, there would be no conflict with or impacts to zoning for forest land or timber land. The project will have no impact on land designated for forest land or timberland use. The proposed project will have no impact.

MITIGATION MEASURE(S)

No mitigation is required.

LEVEL OF SIGNIFICANCE

There would be *no impact*.

Impact #3.4.2d – Would the project result in the loss of forest land or conversion of forest land to non-forest use?

See discussion of Impact #3.4.2a–c above.

The proposed project will have no impact.

MITIGATION MEASURE(S)

No mitigation is required.

LEVEL OF SIGNIFICANCE

There would be *no impact*.

Impact #3.4.2e – Would the project involve other changes in the existing environment which, due to their location or nature, could result in conversion of Farmland, to nonagricultural use or conversion of forest land to non-forest use?

See discussion of Impact #3.4.2a–c above.

The project site is located within the city limits and is surrounded by developed urban uses. As noted, the project does not result in the conversion of agricultural or forest land. The project does not involve other changes in the existing environment that would result in additional conversion of Farmland to nonagricultural use or conversion of forest land to non-forest uses. The proposed project will have no impact.

MITIGATION MEASURE(S)

No mitigation is required.

LEVEL OF SIGNIFICANCE

There would be *no impact*.

		Potentially Significant Impact	Less than Significant with Mitigation Incorporated	Less-than-Significant Impact	No Impact

3.4.3 - AIR QUALITY

Where available, the significance criteria established by the applicable air quality management or air pollution control district may be relied upon to make the following determinations. Would the project:

a.	Conflict with or obstruct implementation of the applicable air quality plan?	☐	☐	☒	☐
b.	Result in a cumulatively considerable net increase of any criteria pollutant for which the project region is nonattainment under an applicable federal or State ambient air quality standard?	☐	☐	☒	☐
c.	Expose sensitive receptors to substantial pollutant concentration?	☐	☐	☒	☐
d.	Result in other emissions (such as those leading to odor) adversely affecting a substantial number of people?	☐	☐	☒	☐

.

Discussion

The analysis below is based on an Air Quality Impact Assessment (AQIA) prepared for the project (Trinity Consultants, 2023). The AQIA is included in this document as Appendix A.

Impact #3.4.3a – Would the project conflict with or obstruct implementation of the applicable air quality plan?

The project is located within the San Joaquin Valley Air Basin (SJVAB), which is under the jurisdiction of the San Joaquin Valley Air Pollution Control District (SJVAPCD). The U.S. Environmental Protection Agency (EPA) established the National Ambient Air Quality Standards (NAAQS) to protect the health, safety, and welfare of the public. NAAQS have been established for ozone(O_3), carbon monoxide (CO), nitrogen dioxide (NO_2), sulfur dioxide (SO_2), particulate matter with a diameter of 10 micrometers or less (PM_{10}), particulate matter with a diameter of 2.5 micrometers or less ($PM_{2.5}$), and lead (Pb). California has also adopted the California Ambient Air Quality Standards (CAAQS) for the above criteria air pollutants with more stringent standards and the addition of hydrogen sulfide (H_2S). Table 3.4.3-1 provides the NAAQS and CAAQS criteria pollutant thresholds. If the air basin exceeds the threshold, then a designation of nonattainment is given. Table 3.4.3-2 provides the designation/classification for Kings County.

Table 3.4.3-1
NAAQS and CAAQS Standards

Pollutant	Averaging Time	NAAQS Concentration	CAAQS
O_3	8-hour	0.070 ppm (137 µg/m^3)	0.070 ppm (137 µg/m^3)
	1-hour	-	0.09 ppm (180 µg/m^3)
CO	8-hour	9 ppm (10 µg/m3)	9 ppm (10 µg/m3)
	1-hour	35 ppm (40 µg/m3)	20 ppm (23 µg/m3)
NO_2	Annual Average	53 ppb (100 µg/m3)	0.030 ppm (57 µg/m3)
	1-hour	100 ppb (188.68 µg/m3)	0.18 ppm (339 µg/m3)
SO_2	3-hour	0.5 ppm (1,300 µg/m3)	-
	24-hour	0.14 ppm (365 µg/m3)	0.04 ppm (105 µg/m3)
	1-hour	75 ppb (196 µg/m3)	0.25 ppm (655 µg/m3)
PM_{10}	Annual Arithmetic Mean	-	20 µg/m3
	24-hour	150 µg/m3	50 µg/m3
$PM_{2.5}$	Annual Arithmetic Mean	12 µg/m3	12 µg/m3
	24-hour	35 µg/m3	-
Sulfates	24-hour	-	25 µg/m3
Pb	Rolling Three-Month Average	0.15 µg/m3	-
	30 Day Average	-	1.5 µg/m3
H_2S	1-hour		0.03 ppm (42 µg/m3)
Vinyl Chloride	24-hour		0.010 ppm (26 µg/m3)
Visibility Reducing particles	8-hour (1000 to 1800 PST)		In 1989, CARB converted both the general statewide 10-mile visibility standards and the Lake Tahoe 30-mile visibility standard to instrumental equivalents

Source: Appendix A
Notes: ppm = parts per million ppb = parts per billion mg/m3 = milligrams per cubicmeter µg/m3 = micrograms per cubicmeter

Table 3.4.3-2
SJVAB Attainment Status

Pollutant	NAAQS	CAAQS
O_3 1-hour	No Federal Standard	Nonattainment/Severe
O_3 8-hour	Nonattainment/Extreme	Nonattainment
PM_{10}	Attainment	Nonattainment
$PM_{2.5}$	Nonattainment	Nonattainment
CO	Attainment/Unclassified	Attainment/Unclassified
NO_2	Attainment/Unclassified	Attainment
SO_2	Attainment/Unclassified	Attainment
Pb	No Designation/Classification	Attainment
H_2S	No Federal Standard	Unclassified
Sulfates	No Federal Standard	Attainment
Visibility Reducing Particulates	No Federal Standard	Unclassified
Vinyl Chloride	No Federal Standard	Attainment

Source: Appendix A

In order to maintain consistency with CEQA, the SJVAPCD adopted guidelines to assist applicants in complying with the various requirements. The SJVAPCD as part of their guidelines, established specific CEQA air quality thresholds as presented in Table 3.4.3-3.

Table 3.4.3-3
SJVAPCD CEQA Thresholds of Significance

Criteria Pollutant	Significance Threshold	
	Construction	Operational
CO	100 tons/yr	100 tons/yr
NOx	10 tons/yr	10 tons/yr
ROG	10 tons/yr	10 tons/yr
SOx	27 tons/yr	27 tons/yr
PM_{10}	15 tons/yr	15 tons/yr
$PM_{2.5}$	15 tons/yr	15 tons/yr

Source: Appendix A

Therefore, if a project were to generate criteria pollutants below significance thresholds adopted by the SJVAPCD, the project would be considered to result in a less-than-significant impact and in compliance with adopted SJVAPCD rules and regulations.

Short-term construction activities related to the project were estimated in CalEEMod utilizing default CalEEMod construction equipment lists for the proposed project's land use type. SJVAPCD required measures were applied to the short-term project emissions and included water exposure to the site three times per day and the reduction of vehicle speeds

to less than 15 miles per hour. Table 3.4.3-4 depicts the unmitigated and mitigated construction emissions resulting from project construction.

Table 3.4.3-4
Construction Project Emissions

Emissions Source	Pollutant (tons/year)					
	ROG	NOx	CO	SO_2	PM_{10}	$PM_{2.5}$
Unmitigated						
2023 Construction Emissions	0.14	0.83	0.94	0.00	0.08	0.06
2024 Construction Emissions	0.73	1.99	2.28	0.00	0.32	0.17
2025 Construction Emissions	0.20	0.00	0.00	0.00	0.00	0.00
Mitigated						
2023 Construction Emissions	0.14	0.83	0.94	0.00	0.06	0.05
2024 Construction Emissions	0.73	1.99	2.28	0.00	0.21	0.12
2025 Construction Emissions	0.20	0.00	0.00	0.00	0.00	0.00
Significance Threshold	**10**	**10**	**100**	**27**	**15**	**15**
Is Threshold Exceeded After Mitigation	No	No	No	No	No	No

Source: Appendix A

As shown in Table 3.4.3-4, the estimated short-term construction-related emissions for criteria pollutants are anticipated to be minimal and would not exceed adopted SJVAPCD significance threshold levels during any given construction year and would result in a less-than-significant impact.

Long-term emissions are caused by operational mobile, area, and energy sources. Long-term emissions would include fugitive dust emissions and exhaust emissions. PM_{10} emissions typically are generated from vehicular traffic associated with the project site. The SJVAPCD's Regulation VIII establishes required controls to reduce and minimize fugitive dust emissions. The following SJVAPCD Rules and Regulations would apply to the proposed project to reduce fugitive dust emissions:

- Rule 4102 – Nuisance – prohibits a facility from posing as a nuisance to surrounding receptors and can impose penalties for nuisance issues such as dust, smoke, excess emissions, etc. Compliance with this rule ensures that the area around the project site will not be adversely impacted by such issues.
- Regulation VII – Fugitive PM_{10} Prohibitions – a series of regulations to reduce and/or eliminate the generation of PM that can adversely impact visibility as well as the health and safety of people onsite or in the vicinity of the project.
    - Rule 8011 – General Requirements – this rule is to reduce ambient concentrations of fine particulate (PM_{10}) by requiring actions to prevent, reduce, or mitigate anthropogenic (human-caused) fugitive dust emissions.
    - Rule 8021 – Construction, Demolition, Excavation, Extraction, and Other Earthmoving Activities - restricts generation of airborne dust and visibility impacts from these activities. Places limit on opacity and equipment operation under certain adverse weather conditions.

- Rule 8041 – Carryout and Trackout - requires that equipment and vehicles leaving the construction site control the amount of dirt, soil, or mud that is tracked offsite and onto public roadways. This helps eliminate or minimize dust generation and opacity degradation
- Rule 8051 – Open Areas - limits fugitive dust from open areas, i.e., areas on a construction site that are not actively being constructed upon but may generate wind-blown dust.

Table 3.4.3-5 below depicts the calculated post-project operational emissions as calculated in CalEEMod. Mitigation measures implemented with CalEEMod include the use of clean landscape equipment.

Table 3.4.3-5
Operational Emissions

Emissions Sources	Pollutant (tons/year)					
	ROG	NOx	CO	SOx	PM_{10}	$PM_{2.5}$
Unmitigated Operational Emissions						
Area Emissions	0.50	0.00	0.00	0.00	0.00	0.00
Energy Emissions	0.01	0.13	0.11	0.00	0.01	0.01
Mobile Emissions	3.04	3.69	17.79	0.03	2.46	0.68
Total	**3.56**	**3.82**	**17.90**	**0.03**	**2.47**	**0.69**
Mitigated Operational Emissions						
Area Emissions	0.50	0.00	0.00	0.00	0.00	0.00
Energy Emissions	0.01	0.13	0.11	0.00	0.01	0.01
Mobile Emissions	3.04	3.69	17.79	0.03	2.46	0.68
Total	**3.56**	**3.82**	**17.90**	**0.03**	**2.47**	**0.69**
SJVAPCD Threshold	**10**	**10**	**100**	**27**	**15**	**15**
Is Threshold Exceeded after Mitigation?	No	No	No	No	No	No

Source: Appendix A

As shown in Table 3.4.3-5, the proposed project would not exceed the established SJVAPCD criteria pollutant thresholds.

Further SJVAPCD rules and regulations would be applicable to the project and would include:

- Regulation VIII – PM_{10} reduction measures.
- GAMAQI measures to reduce equipment exhaust.
- Rule 4601 – Architectural Coatings.
- Rule 4641 – Construction and Pavement of Roads and Parking Areas within the Project Area.

Based on the regulatory compliance stated above and analysis conducted in the prepared Air Quality Impact Analysis (Trinity Consultants, 2023), this project would have a less-than-significant impact.

MITIGATION MEASURE(S)

No mitigation is required.

LEVEL OF SIGNIFICANCE

Impacts would be *less than significant*.

Impact #3.4.3b – Would the project result in a cumulatively considerable net increase of any criteria pollutant for which the project region is nonattainment under an applicable federal or State ambient air quality standard (including releasing emissions which exceed quantitative thresholds for ozone precursors)?

See discussion of Impact #3.4.3a above.

Based on the analysis and estimated criteria pollutant generation made in the prepared AQIA, the short-term construction and long-term operational criteria pollutants would be generated in concentrations lower than significance thresholds adopted by the SJVAPCD (Trinity Consultants, 2023) as shown in Table 3.4.3-4 and 3.4.3-5. Therefore, the project will result in a less-than-significant impact.

MITIGATION MEASURE(S)

No mitigation is required.

LEVEL OF SIGNIFICANCE

Impacts would be *less than significant*.

Impact #3.4.3c – Would the project expose sensitive receptors to substantial pollutant concentrations?

Sensitive receptors are defined as areas where young children, chronically ill individuals, the elderly, or people who are more sensitive than the general population reside. Schools, hospitals, nursing homes, and daycare centers are locations where sensitive receptors would likely reside. There are residential receptors bordering the project site to the south and the east. Per the prepared AQIA, there are 17 sensitive receptors located within two miles of the project site. The P.W. Engvall Elementary School is approximately 0.51 miles north.

GAMAQI recommends that lead agencies consider situations wherein a new or modified source of hazardous air pollutants (HAPs) is proposed for a location near an existing residential area or other sensitive receptors when evaluating potential impacts related to HAPs. Typical sources of HAPs include diesel trucks or permitted sources such as engines, boilers, or storage tanks. To predict potential health risks to the population attributable to emissions of HAPs from the proposed project, ambient air concentrations were predicted with dispersion modeling to arrive at an estimate of individual carcinogenic risk that might occur as a result of continuous exposure over a 70-year lifetime. Similarly, predicted

concentrations were used to calculate non-cancer chronic and acute hazard indices, which are the ratios of expected exposure to acceptable exposures. SJVAPCD has set the level of significance for carcinogenic risk at 20 in one million, which is understood as the possibility of causing 20 additional cancer cases in a population of one million people. The level of significance for chronic and acute non-cancer risk is a hazard index of one. Table 3.4.3-6 depicts the potential maximum impacts predicted to result from the project.

Table 3.4.3-6
Potential Maximum Impacts Predicted by HARP2

	Value
Excess Cancer Risk – Total	**1.95E-05**
Construction	1.28E-05
Operations	6.73E-06
Chronic Hazard Index – Max	**1.69E-02**
Construction	1.25E-02
Operations	1.69E-02
Acute Hazard Index – Max	**4.52E-02**
Operations	4.52E-02

Source: Appendix A

As shown in Table 3.4.3-6 above, the maximum predicted cancer risk for the proposed project is 1.95E-05, the maximum chronic non-cancer hazard index is 1.69E-02, and the maximum acute hazard index is 4.52E-02. The potential risk attributable to the proposed project is below the significance threshold established by SJVAPCD and therefore is determined to result in a less-than-significant impact.

MITIGATION MEASURE(S)

No mitigation is required.

LEVEL OF SIGNIFICANCE

Impacts would be *less than significant.*

Impact #3.4.3d – Would the project result in emissions (such as those leading to odors) adversely affecting a substantial number of people?

See discussion in Impact #3.4.3c above.

The SJVAPCD GAMAQI states that analysis for generators and receivers should be conducted to assess odor impacts.

- Generators – projects that would potentially generate odorous emissions proposed to locate near existing sensitive receptors or other land uses where people may congregate.

- Receivers – residential or other sensitive receptor projects or other projects built to attract people locating near existing odor sources.

SJVAPCD identifies some common types of facilities that have been known to produce odors in the SJVAB such as wastewater treatment facilities, sanitary landfills, transfer stations, composting facilities, petroleum refineries, asphalt batch plants, chemical manufacturing plants, fiberglass manufacturing, paint/coating operations, food processing facilities, feed lot/dairy, and rendering plants (SJVAPCD, 2015). These can be used as a screening tool to qualitatively assess a project's potential to adversely affect area receptors.

Because the project is not a use listed in the GAMAQI as a source that would create objectionable odors, the project and anticipated activities are not expected to be a source of objectionable odors.

MITIGATION MEASURE(S)

No mitigation is required.

LEVEL OF SIGNIFICANCE

Impacts would be *less than significant*.

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

Discussion

A biological survey was conducted to determine whether there are sensitive biological resources that might be adversely affected by the proposed project. The evaluation is based on existing site conditions, the potential for sensitive biological resources to occur on and in the vicinity of the project site, and any respective impacts that could potentially occur.

Reviews of the California Department of Fish and Wildlife's (CDFW) California Natural Diversity Database (California Department of Fish and Wildlife, 2023), the California Native Plant Society's Rare Plant Program Inventory (California Native Plant Society, 2023), and the United States Fish and Wildlife Service's Information for Planning and Consultation online tool (US Fish and Wildlife Service, 2023) was conducted to identify special-status plant and wildlife species with the potential to occur within the project site and vicinity (the *Lemoore* 7.5" USGS quadrangle, where the project site is situated, and the surrounding eight quadrangles and a 10-mile radius). Information on the potential presence of wetlands and waters was obtained from the National Wetlands Inventory (NWI), National Hydrography Database (NHD), and the Federal Emergency Management Agency (FEMA). Information regarding the presence of Critical Habitat in the project vicinity was obtained from the United States Fish and Wildlife Service's Critical Habitat Mapper database (USFWS, 2023b). The results of the database inquiries were subsequently reviewed to evaluate the potential for the occurrence of special-status species and other sensitive biological resources known to occur on or near the project site prior to conducting the biological survey.

A biological reconnaissance survey of the project site and a 50-foot Biological Study Area (BSA) was conducted in January 2023. The purpose of the survey was to determine the locations and extent of sensitive plant communities and habitats, determine the potential for the occurrence of special-status plant and wildlife species, and identify other sensitive biological resources within the BSA. Meandering pedestrian transects were walked through the BSA to achieve 100 percent visual coverage, with the aid of binoculars in areas that were inaccessible. Protocol surveys for specific special-status plant or wildlife species were not conducted because it was determined by the biologists that no such surveys were warranted due to the lack of suitable habitat and the disturbed condition of the project site. Locations of any observed sensitive biological resources were documented using the ArcGIS Collector application installed on an iPad. Photographs were taken to document the existing landscape and sensitive biological resources. Detailed notes of plant and wildlife species and site conditions observed were taken while conducting the survey.

General Site Conditions

Most of the surrounding land has been developed for urban use. The SR 198 interchange at South 18th Avenue borders the property to the north. The project site is heavily disturbed, was disked within the last one to two years, and is vegetated by non-native grasses and herbs. Non-native grasses included Bermuda grass (*Cynodon dactylon*), Mediterranean grass (*Schismus arabicus*), and common herbs of red-stem filaree (*Erodium cicutarium*) and fiddleneck (*Amsinckia sp.*) being most common. The wildlife species observed during the survey were typical of urban and non-native grassland habitats. There was no wetland, riparian, or other sensitive habitat types, special-status plants, or wildlife species present on the project site during the time of the survey.

There were eight plant species, seven bird species, and one mammal species identified during the survey, either through direct observation or by the presence of diagnostic sign (Table 3.4.4-1). All of these species are common to the area and none of these species are listed under the Federal or California Endangered Species Acts.

Table 3.4.4-1
List of Plant and Wildlife Species Observed on the Project Site

Scientific name	Common name
Plants	
Amsinckia sp.	fiddleneck
Bromus rubens	red brome
Cynodon dactylon	Bermuda grass
Eriogonum fasciculatum	California buckwheat
Erodium cicutarium	red-stem filaree
Lactuca serriola	prickly lettuce
Salsola kali	Russian thistle
Scismus arabicus	Mediterranean grass
Wildlife	
Carduelis psaltria	lesser goldfinch
Corvus brachyrhynchos	American crow
Corvus corax	common raven
Falco sparverius	American kestrel
Sturnella sp.	meadow lark
Sylvilagus audubonii	desert cottontail*
Zenaida macroura	mourning dove
Zonotrichia leucophrys	white-crowned sparrow

*Indicates sign (e.g., tracks, scat, burrow, or den) was observed.

Impact Analysis

Impact #3.4.4a – Would the project have a substantial adverse effect, either directly or through habitat modifications, on any species identified as a candidate, sensitive, or special-status species in local or regional plans, policies, or regulations or by the California Department of Fish and Wildlife or the U.S. Fish and Wildlife Service?

The literature search indicated that there is potential for several special-status species to be present on or in the vicinity of the project. An evaluation of each of the potential special-status species, which included habitat requirements, the likelihood of required habitat to occur within the BSA, and a comparison to the California Natural Diversity Database (CNDDB), California Native Plant Society (CNPS), and United States Fish and Wildlife Service's Information for Planning and Consultation (IPaC) records was conducted. The results of this evaluation concluded that seven plant species and 21 wildlife species with special status have a reasonable potential to occur on or near the project.

Special-Status Species

SPECIAL-STATUS PLANT SPECIES

Based on the survey and database queries, there are seven special-status plant species that have the potential to occur within the subject quadrangle and eight surrounding quadrangles: brittlescale (*Atriplex depressa*), recurved larkspur (*Delphinium recurvatum*), alkali sink goldfields (*Lasthenia chrysantha*), Panoche peppergrass (*Lepidium jaredii ssp. album*), mud nama (*Nama stenocarpa*), California alkali grass (*Puccinellia simplex*), and Sanford's arrowhead (*Sagittaria sanfordii*). There are only CNDDB records for four of the seven special-status plant species within 10 miles of the BSA.

The project site has historically consisted of non-native grasses and ruderal vegetation with marginal disturbance from surrounding development. The adjacent land has been historically disturbed by residential, urban, and industrial development. None of the sensitive-plant species were observed during the survey, although the survey was not conducted during the blooming periods of any of the species. All project activities will be restricted to previously disturbed areas that would not support special-status plant species. Thus, no protective measures for special-status plant species are warranted.

SENSITIVE WILDLIFE SPECIES

Based on the database queries there were 21 special-status wildlife species that were identified as having the potential to occur within the subject quadrangle and eight surrounding quadrangles. Nineteen of these species were eliminated from consideration due to the lack of suitable habitat. Delta smelt (*Hypomesus transpacificus*), giant garter snake (*Thamnophis gigas*), western pond turtle (*Emys marmorata*), vernal pool fairy shrimp (*Branchinecta lynchi*), vernal pool tadpole shrimp (*Lepidurus packardi*), western ridged mussel (*Gonidea angulata*), and western spadefoot (*Spea hammondii*) are dependent upon water bodies and/or vernal pools, which are not present within the BSA. There were no CNDDB records for delta smelt, vernal pool fairy shrimp, or vernal pool tadpole shrimp in the nine-quad database query.

Swainson's hawk (*Buteo swainsoni*) is unlikely to forage or nest within the BSA or immediate vicinity. There is a sub-minimal prey base (e.g., small rodents) and no suitable foraging habitat (e.g., alfalfa fields) located in the general vicinity of the BSA. No suitable nesting habitat (e.g., large trees) is present in the nearby vicinity that is adjacent to suitable foraging habitat. Hoary bat (*Lasiurus cinereus*) roosts in the dense foliage of medium to large trees, typically in forests, which are not present on or near the Project. There are no elderberry shrubs (*Sambucus sp.*) in the BSA so the valley elderberry longhorn beetle (*Desmocerus californicus dimorphus*) would not be present. San Joaquin tiger beetle (*Cicindela tranquebarica joaquinensis*) is highly associated with sandy soils, which are not present in the BSA.

The monarch butterfly (*Danaus plexippus*) requires milkweed plants for reproduction and large stands of trees for overwintering, neither of which were observed in the BSA. There is

no suitable nesting or foraging habitat for black-crowned night heron (*Nycticorax nycticorax*), tricolored blackbird (*Agelaius tricolor*), western snowy plover (*Charadrius alexandrinus nivosus*), or yellow-headed blackbird (*Xanthocephalus xanthocephalus*), which require wetlands, marshes, dry lakes, or sandy beaches. There are no burrows suitable for blunt-nosed leopard lizard (*Gambelia sila*) or California glossy snake (*Arizona elegans occidentalis*). No kangaroo rat burrows were observed during the survey and the BSA does not support habitat suitable for Fresno kangaroo rat (*Dipodomys nitratoides exilis*) or Tipton kangaroo rat (*D. n. nitratoides*).

The remaining two species resulting from the database queries have the potential to occur within the project site and vicinity: burrowing owl (*Athene cunicularia*) and San Joaquin kit fox (*Vulpes macrotis mutica*). Nesting birds protected by the Federal Migratory Bird Treaty Act (MBTA) may also be present during the breeding season.

San Joaquin Kit Fox

San Joaquin kit fox, a Federally Endangered and State Threatened species, has the potential to occur in the habitat surrounding the project, but is unlikely to den within the project footprint, although it could pass through as a transient. The nearest CNDDB record for the species is from 2002 and approximately 3.2 miles northwest of the BSA, documenting one San Joaquin kit fox that was observed in a fallow agricultural field during a spotlighting effort (EONDX 66434). The non-native grassland provides only marginal denning habitat for the species and there were minimal small mammal burrows, so the natural prey base is likely limited. However, San Joaquin kit foxes are known to adapt well to urban, residential, and industrial areas and scavenge anthropogenic foods, located to the east, south, and west of the BSA. No known or potential kit fox dens or any sign of the species were observed during the survey.

Because the project supports only minimal habitat and is a small area, the development of the project area would not result in a significant loss of habitat for the species. If the species were to be present during construction activities, individual San Joaquin kit foxes could be injured or killed, or normal reproductive or foraging behaviors could be affected.

Burrowing Owl

Burrowing owl (*Athene cunicularia*), a CDFW Species of Special Concern, has a very low potential to occur within the project. The nearest CNDDB record is approximately 6.1 miles west of the project, where an active burrow was observed during routine surveys at the Lemoore Naval Air Station in 2000 (EONDX 77779). There were no suitable burrows observed in the BSA, and it supports only marginal foraging habitat, but the species is known to inhabit the region.

Because the project supports only marginal habitat for burrowing owl and is a small area, development of the project area would not result in a significant loss of habitat for the species. If the species were to be present during construction activities, individual burrowing

owls could be injured or killed, or normal reproductive or foraging behaviors could be affected.

Nesting Migratory Birds

Migratory bird species are protected under the Federal MBTA. No active or inactive bird nests were observed during the survey, which was conducted outside of the typical avian breeding season (February 1 – September 30). The project and surrounding vicinity provide minimal suitable nesting habitat for a variety of bird species, which may nest in tree branches and cavities, shrubs, man-made structures, and directly on the ground. If nesting migratory birds are in the vicinity of the project during construction activities, individual birds could be injured or killed, or normal reproductive or foraging behaviors could be affected.

CONCLUSION

The project footprint occurs upon non-native grassland that has been disked one to two years ago. The project and surrounding areas support mainly non-native grasses with scattered urban ruderal and ornamental species in the nearby commercial, industrial, and residential areas.

No special-status plant or wildlife species or their sign were observed during the survey.

It is very unlikely that any special-status plant species occur in the project area or in the vicinity due to historic disturbance, disking, and high volume of local traffic. No minimization, avoidance, or mitigation measures related to special-status plants is warranted.

There is a potential for special-status or protected wildlife species that could be impacted by project activities. Mitigation Measures MM BIO-1 through MM BIO-6, as provided below, would protect, avoid, and minimize impacts to these special-status wildlife species. When implemented, these measures would reduce impacts to these species to levels that are less than significant.

Through implementation of the mitigation measures listed below, impacts of the proposed project would not have a substantial adverse effect, either directly or through habitat modifications, on any species identified as a candidate, sensitive, or special-status species in local or regional plans, policies, or regulations, or by the California Department of Fish and Wildlife or the U.S. Fish and Wildlife Service. Therefore, the project will have a less-than-significant impact with the incorporation of mitigation measures.

MITIGATION MEASURE(S)

MM BIO-1: Prior to ground-disturbing activities, a qualified wildlife biologist shall conduct a biological clearance survey between 14 and 30 days prior to the onset of construction.

The clearance survey shall include walking transects to identify the presence of San Joaquin kit fox, burrowing owl, nesting birds, and other special-status species. The preconstruction

survey shall be walked by no greater than 30-foot transects for 100 percent coverage of the project and a 50-foot buffer, where feasible. If no evidence of special-status species is detected, no further action is required except measures BIO-4 through BIO-6 shall be implemented.

MM BIO-2: The following avoidance and minimization measures shall be implemented during all phases of the project to reduce the potential for impact from the project. They are modified from the *U.S. Fish and Wildlife Service Standardized Recommendations for Protection of the Endangered SJKF Prior to or During Ground Disturbance* (USFWS 2011, Appendix F).

a. All food-related trash items such as wrappers, cans, bottles, and food scraps shall be disposed of in securely closed containers. All food-related trash items such as wrappers, cans, bottles, and food scraps shall be disposed of in securely closed containers and removed at least once a week from the construction or project site.

b. Construction-related vehicle traffic shall be restricted to established roads and predetermined ingress and egress corridors, staging, and parking areas. Vehicle speeds shall not exceed 20 miles per hour (mph) within the project site.

c. To prevent inadvertent entrapment of kit fox or other animals during construction, the contractor shall cover all excavated, steep-walled holes or trenches more than two feet deep at the close of each workday with plywood or similar materials. If holes or trenches cannot be covered, one or more escape ramps constructed of earthen fill or wooden planks shall be installed in the trench. Before such holes or trenches are filled, the contractor shall thoroughly inspect them for entrapped animals. All construction-related pipes, culverts, or similar structures with a diameter of four inches or greater that are stored on the project site shall be thoroughly inspected for wildlife before the pipe is subsequently buried, capped, or otherwise used or moved in any way. If at any time an entrapped or injured kit fox is discovered, work in the immediate area shall be temporarily halted and USFWS and CDFW shall be consulted.

d. Kit foxes are attracted to den-like structures such as pipes and may enter stored pipes and become trapped or injured. All construction pipes, culverts, or similar structures with a diameter of four inches or greater that are stored at a construction site for one or more overnight periods shall be thoroughly inspected for kit foxes before the pipe is subsequently buried, capped, or otherwise used or moved in any way. If a kit fox is discovered inside a pipe, that section of pipe shall not be moved until the USFWS and CDFW have been consulted. If necessary, and under the direct supervision of the biologist, the pipe may be moved only once to remove it from the path of construction activity, until the fox has escaped.

e. No pets, such as dogs or cats, shall be permitted on the project sites to prevent harassment, mortality of kit foxes, or destruction of dens.

f. Use of anti-coagulant rodenticides and herbicides in project sites shall be restricted. This is necessary to prevent primary or secondary poisoning of kit foxes and the depletion of prey populations on which they depend. All uses of such compounds shall observe labels and other restrictions mandated by the U.S. Environmental Protection Agency, California Department of Food and Agriculture, and other State and federal legislation, as well as additional project-related restrictions deemed necessary by the USFWS and CDFW. If rodent control must be conducted, zinc phosphide shall be used because of the proven lower risk to kit foxes.

g. A representative shall be appointed by the project proponent who will be the contact source for any employee or contractor who might inadvertently kill or injure a kit fox or who finds a dead, injured, or entrapped kit fox. The representative shall be identified during the employee education program and their name and telephone number shall be provided to the USFWS.

h. The Sacramento Fish and Wildlife Office of USFWS and CDFW shall be notified in writing within three working days of the accidental death or injury to a SJKF during project-related activities. Notification must include the date, time, and location of the incident or of the finding of a dead or injured animal and any other pertinent information. The USFWS contact is the Chief of the Division of Endangered Species, at the addresses and telephone numbers below. The CDFW contact can be reached at (559) 243-4014 and R4CESA@wildlifeca.gov.

i. All sightings of the SJKF shall be reported to the California Natural Diversity Database (CNDDB). A copy of the reporting form and a topographic map clearly marked with the location of where the kit fox was observed shall also be provided to the Service at the address below.

j. Any project-related information required by the USFWS or questions concerning the above conditions, or their implementation may be directed in writing to the U.S. Fish and Wildlife Service at: Endangered Species Division, 2800 Cottage Way, Suite W 2605, Sacramento, California 95825-1846, phone: (916) 414-6620 or (916) 414-6600.

k. New sightings of SJKF should be reported to the CNDDB.

MM BIO-3: Within 14 days prior to the start of project ground-disturbing activities, a pre-activity survey with a 500-foot buffer shall be conducted by a qualified biologist knowledgeable in the identification of these species and approved by the CDFW. If dens/burrows that could support any of these species are discovered during the pre-activity survey conducted under MM BIO-1, the avoidance buffers outlined below should be established. No work would occur within these buffers unless the biologist approves and monitors the activity.

San Joaquin Kit Fox:

- Potential or Atypical den – 50 feet
- Known den – 100 feet
- Natal or pupping den – 500 feet, unless otherwise specified by CDFW

MM BIO-4: If construction is planned outside the nesting period for raptors (other than burrowing owl) and migratory birds (February 15 to August 31), no mitigation shall be required. If construction is planned during the nesting season for migratory birds and raptors, a preconstruction survey to identify active bird nests shall be conducted by a qualified biologist to evaluate the site and a 250-foot buffer for migratory birds and a 500-foot buffer for raptors. If nesting birds are identified during the survey, active raptor nests shall be avoided by 500 feet and all other migratory bird nests shall be avoided by 250 feet. Avoidance buffers may be reduced if a qualified onsite monitor determines that encroachment into the buffer area is not affecting nest building, the rearing of young, or otherwise affecting the breeding behaviors of the resident birds. Because nesting birds can establish new nests or produce a second or even third clutch at any time during the nesting season, nesting bird surveys shall be repeated every 30 days as construction activities are occurring throughout the nesting season.

No construction or earth-moving activity shall occur within a non-disturbance buffer until it is determined by a qualified biologist that the young have fledged (left the nest) and have attained sufficient flight skills to avoid project construction areas. Once the migratory birds or raptors have completed nesting and the young have fledged, disturbance buffers will no longer be needed and may be removed, and monitoring may cease.

MM BIO-5: A qualified biologist shall conduct a preconstruction survey on the project site and within 500 feet of its perimeter, where feasible, to identify the presence of the western burrowing owl. The survey shall be conducted between 14 and 30 days prior to the start of construction activities. If any burrowing owl burrows are observed during the preconstruction survey, avoidance measures shall be consistent with those included in the CDFW *Staff Report on Burrowing Owl Mitigation* (CDFG 2012). If occupied burrowing owl burrows are observed outside of the breeding season (September 1 through January 31) and within 250 feet of proposed construction activities, a passive relocation effort may be instituted in accordance with the guidelines established by the California Burrowing Owl Consortium (1993) and the California Department of Fish and Wildlife (2012). During the breeding season (February 1 through August 31), a 500-foot (minimum) buffer zone shall be maintained unless a qualified biologist verifies through noninvasive methods that either the birds have not begun egg laying and incubation or that juveniles from the occupied burrows are foraging independently and are capable of independent survival.

In addition, impacts to occupied burrowing owl burrows shall be avoided in accordance with the following table unless a qualified biologist approved by CDFW verifies through non-invasive methods that either: (1) the birds have not begun egg laying and incubation; or (2) that juveniles from the occupied burrows are foraging independently and are capable of independent survival.

Location	Time of Year	Level of Disturbance		
		Low	Med	High
Nesting Sites	April 1 – Aug 15	200 m	500 m	500 m
Nesting Sites	Aug 16 – Oct 15	200 m	200 m	500 m
Nesting Sites	Oct 16 – Mar 31	50 m	100 m	500 m

MM BIO-6: Prior to ground-disturbance activities, or within one week of being deployed at the project site for newly hired workers, all construction workers at the project site shall attend a Construction Worker Environmental Awareness Training and Education Program, developed and presented by a qualified biologist.

The Construction Worker Environmental Awareness Training and Education Program shall be presented by the biologist and shall include information on the life histories of special-status wildlife and plant species that may be encountered during construction activities, their legal protections, the definition of "take" under the Endangered Species Act, measures the project operator is implementing to protect the species, reporting requirements, specific measures that each worker must employ to avoid take of the species, and penalties for violation of the Act. Identification and information regarding special-status or other sensitive species with the potential to occur on the project site shall also be provided to construction personnel. The program shall include:

- An acknowledgment form signed by each worker indicating that environmental training has been completed.
- A copy of the training transcript and/or training video/CD, as well as a list of the names of all personnel who attended the training and copies of the signed acknowledgment forms, shall be maintained onsite for the duration of construction activities.

LEVEL OF SIGNIFICANCE

Impacts would be ***less than significant with mitigation incorporated.***

Impact #3.4.4b – Would the project have a substantial adverse effect on any riparian habitat or other sensitive natural community identified in local or regional plans, policies, regulations, or by the California Department of Fish and Wildlife or U.S. Fish and Wildlife Service?

The database queries identified one sensitive natural community, the Valley Sink Scrub with the potential to occur in the vicinity of the project. The nearest and only CNDDB occurrence of Valley Sink Scrub is approximately 2.8 miles southwest of the project (EONDX 16344). This sensitive natural community, or any other sensitive natural community, was not observed during the survey and the BSA is highly disturbed. The BSA is not located within a river or an area that encompasses a river or potential floodplain and does not contain nor is near any riparian habitat. The proposed project would not have a substantial impact to any riparian habitat or other sensitive natural community.

MITIGATION MEASURE(S)

No mitigation is required.

LEVEL OF SIGNIFICANCE

There would be *no impact*.

Impact #3.4.4c – Would the project have a substantial adverse effect on State or federally protected wetlands (including, but not limited to, marsh, vernal pool, coastal, etc.) through direct removal, filling, hydrological interruption, or other means?

The United States Army Corps of Engineers (USACE) has regulatory authority over the Clean Water Act (CWA), as provided for by the EPA. The USACE has established specific criteria for the determination of wetlands based on the presence of wetland hydrology, hydric soils, and hydrophilic vegetation. There are no federally protected wetlands or vernal pools that occur within the project.

Wetlands, streams, reservoirs, sloughs, and ponds typically meet the criteria for federal jurisdiction under Section 404 of the CWA and State jurisdiction under the Porter-Cologne Water Quality Control Act. Streams and ponds typically meet the criteria for State jurisdiction under Section 1602 of the California Fish and Game Code.

The NWI and NHD did not identify any features within the BSA. The biological survey did not identify any other features on or near the project that would meet the criteria for either federal or State jurisdiction. Accordingly, there are no wetlands or Waters of the U.S. occurring on the project site. There would be no impact to federally or State protected wetlands or waterways as a result of the proposed project. Therefore, the project would have no impact.

MITIGATION MEASURE(S)

No mitigation is required.

LEVEL OF SIGNIFICANCE

There would be *no impact*.

Impact #3.4.4d – Would the project interfere substantially with the movement of any native resident or migratory fish or wildlife species, or with established native resident or migratory wildlife corridors, or impede the use of native wildlife nursery sites?

Wildlife migratory corridors are described as a narrow stretch of land that connects two open pieces of habitat that would otherwise be unconnected. These routes provide shelter and sufficient food supplies to support wildlife species during migration. Movement corridors generally consist of riparian, woodlands, or forested habitats that span contiguous acres of undisturbed habitat and are important elements of resident species' home ranges.

The project falls within the Pacific Flyway, a significant migratory route encompassing the West Coast of North America, but the project represents a very small land acreage within this territory and does not support any significant migratory stopover habitat. The proposed project and surrounding area do not occur within a known terrestrial migration route, significant wildlife corridor, or linkage area as identified by the Essential Habitat Connectivity Project (Spencer, W.D., et al, 2010). The survey conducted for the project did not provide evidence of a wildlife nursery or important migratory habitat being present on the project site. Migratory birds and raptors could use habitat on and near the project for foraging and/or as stopover sites during migrations or movement between local areas.

The project will not restrict, eliminate, or significantly alter a wildlife movement corridor, wildlife core area, or Essential Habitat Connectivity area, either during construction or after the project has been constructed. Project construction will not substantially interfere with wildlife movements or reduce breeding opportunities.

The proposed project would not interfere with the movement of any native resident or migratory fish or wildlife species or with established native resident or migratory wildlife corridors or impede the use of native wildlife nursery sites. Therefore, the project's impacts would be less than significant.

MITIGATION MEASURE(S)

No mitigation is required.

LEVEL OF SIGNIFICANCE

Impacts would be *less than significant*.

Impact #3.4.4e – Would the Project conflict with any local policies or ordinances protecting biological resources, such as a tree preservation policy or ordinance?

The project is subject to the City of Lemoore General Plan (City of Lemoore 2008), which includes a conservation and open space chapter. This chapter provides guidance on the protection of listed plant and wildlife species, wetlands, and other sensitive biological resources. The project will implement mitigation measures such as those listed above (MM BIO-1 through BIO-6) to be consistent with the goals and policies of the General Plan. Therefore, the implementation of the proposed project would have no conflict related to any adopted local policies or ordinances protecting biological resources.

MITIGATION MEASURE(S)

No mitigation is required.

LEVEL OF SIGNIFICANCE

Impacts would be *less than significant*.

Impact #3.4.4f – Would the project conflict with the provisions of an adopted habitat conservation plan, natural community conservation plan, or other approved local, regional, or State habitat conservation plan?

The project is not located within any Natural Community Conservation Plan or any other local, regional, or State Conservation Plan. With mitigation, the proposed project would not conflict with the provisions of any adopted Habitat Conservation Plan, Natural Community Conservation Plan, or other approved local, regional, or State Habitat Conservation Plan. There would be no impact related to the project.

MITIGATION MEASURE(S)

No mitigation is required.

LEVEL OF SIGNIFICANCE

There would be ***no impact***.

	Potentially Significant Impact	Less than Significant with Mitigation Incorporated	Less-than-Significant Impact	No Impact

3.4.5 - CULTURAL RESOURCES

Would the project:

a.	Cause a substantial adverse change in the significance of a historical resource as defined in CEQA Guidelines Section 15064.5?	☐	☒	☐	☐
b.	Cause a substantial adverse change in the significance of an archaeological resource pursuant to CEQA Guidelines Section 15064.5?	☐	☒	☐	☐
c.	Disturb any human remains, including those interred outside of formal cemeteries?	☐	☒	☐	☐

Discussion

The analysis below is based on a cultural resource records search (QK, 2023) found in Appendix B of this document.

Impact #3.4.5a – Would the project cause a substantial adverse change in the significance of a historical resource as defined in CEQA Guidelines Section 15064.5?

The City of Lemoore 2030 General Plan states there are currently no buildings or structures listed in the National Register of Historic Places or as California Historic Landmarks. However, there are 37 sites listed as having local historic significance located within the downtown district (City of Lemoore, 2008). The project site is not in close proximity to downtown Lemoore, and none of these identified historic resources would be impacted by the project.

In accordance with SB 18 and AB 52, a NAHC Sacred Land Files records search was requested. A positive response from the NAHC was received on March 15, 2023, which is included in Appendix B of this document.

A records search of site files and maps was conducted at the Southern San Joaquin Valley Archaeological Information Center, California State University, Bakersfield(#23-078). The results indicated that approximately 11 acres of the northwest portion of the subject property had been surveyed for cultural resources. One historical resource had been recorded on the property near its southern boundary. This was a wooden dairy barn dating to the early decades of the 20th century. According to a site record (P-16-000197) prepared by Caltrans historic property evaluators, the barn was judged ineligible for listing on State or federal registers (QK, 2023). The site was viewed by aerial imagery, and a site visit confirmed that the barn is no longer extant on the property.

Nine additional cultural resource studies had been conducted within a half-mile of the project site. One historic period cultural resource, a single-family residence (P-16-000269) has been recorded within one half-mile of the project. This resource will not be impacted by the project. No prehistoric cultural resources have been identified within a half-mile radius of the site.

However, there is still a possibility that unknown historical or archaeological materials may be exposed during construction. Grading and trenching, as well as other ground-disturbing actions, have the potential to damage or destroy these previously unidentified and potentially significant cultural resources within the project area, including historical or archaeological resources. Disturbance of any deposits that have the potential to provide significant cultural data would be considered a significant impact. To reduce the potential impacts of the project on cultural resources, the following measures are recommended. Mitigation Measure MM CUL-1 would require that a qualified archeologist conduct a cultural resource assessment survey of the project site prior to the issuance of grading or building permits. MM CUL-2 would require consultation with interested tribal groups to determine the need for a tribal monitor or the long-term curation of artifacts if found on the site. MM CUL-3 requires that a tribal monitor be present to conduct a surface inspection of the site prior to construction activities and also be present during initial grading and construction activities. This ensures that a qualified individual is present to identify and address cultural resources prior to and during project construction and reduce potential adverse impacts on cultural resources. Additionally, MM CUL-4 provides the implementation of procedure should human remains be unearthed during project construction. With implementation of MM CUL-1 through MM CUL-4, impacts to cultural resources would be less than significant.

MITIGATION MEASURE(S)

MM CUL-1: Prior to the issuance of building permits, a qualified archeologist shall conduct a cultural resource survey of the project site. If prehistoric or historic-era cultural materials are encountered as a result of the survey, the qualified archeologist shall make recommendations and take further measures to avoid impacts on cultural resources. These measures can include avoidance, testing, and evaluation or data recovery excavation.

MM CUL-2: Prior to any ground disturbance, the applicant shall offer interested tribes the opportunity to provide a Native American Monitor during ground-disturbing activities during construction. Tribal participation would be dependent upon the availability and interest of the tribe.

Upon coordination with the Lead Agency, any archaeological artifacts recovered shall be donated to an appropriate Tribal Custodian or a qualified scientific institution where they would be afforded long-term preservation. Documentation for the work shall be provided in accordance with applicable cultural resource laws and guidelines.

MM CUL-3: If requested, prior to any ground disturbance, a surface inspection of the site shall be conducted by a Tribal Monitor. The Tribal Monitor shall monitor the site during initial grading or ground-disturbance activities. The Tribal Cultural Staff shall provide

preconstruction briefings to supervisory personnel and any excavation contractor, which will include information on potential cultural material finds and, on the procedures, to be enacted if resources are found. Tribal participation would be dependent upon the availability and interest of the tribe.

If prehistoric or historic-era cultural materials are encountered during construction activities, all work in the immediate vicinity of the find shall halt until a qualified archaeologist can evaluate the find and make recommendations. Cultural resource materials may include prehistoric resources such as flaked and ground stone tools and debris, shell, bone, ceramics, and fire-affected rock as well as historic resources such as glass, metal, wood, brick, or structural remnants. If the qualified archaeologist determines that the discovery represents a potentially significant cultural resource, additional investigations may be required to mitigate adverse impacts from project implementation. These additional studies may include avoidance, testing, and evaluation or data recovery excavation. Implementation of the mitigation measure would ensure that the proposed project would not cause a substantial adverse change in the significance of a historical resource.

The Lead Agency along with other relevant or tribal officials shall be contacted upon the discovery of cultural resources to begin coordination on the disposition of the find(s). Treatment of any significant cultural resources shall be undertaken with the approval of the Lead Agency.

MM CUL-4: If human remains are discovered during construction or operational activities, further excavation or disturbance shall be prohibited pursuant to Section 7050.5 of the California Health and Safety Code. The specific protocol, guidelines, and channels of communication outlined by the Native American Heritage Commission, in accordance with Section 7050.5 of the Health and Safety Code, Section 5097.98 of the Public Resources Code (Chapter 1492, Statutes of 1982, Senate Bill 297), and Senate Bill 447 (Chapter 44, Statutes of 1987), shall be followed. Section 7050.5(c) shall guide the potential Native American involvement, in the event of the discovery of human remains, at the direction of the county coroner.

LEVEL OF SIGNIFICANCE

Impacts would be ***less than significant with mitigation incorporated.***

Impact #3.4.5b – Would the project cause a substantial adverse change in the significance of an archaeological resource pursuant to CEQA Guidelines Section 15064.5?

See discussion of Impact #3.4.5a above.

MITIGATION MEASURE(S)

Implement MM CUL-1 through MM CUL-4.

LEVEL OF SIGNIFICANCE

Impacts would be *less than significant with mitigation incorporated*.

Impact #3.4.5c – Would the project disturb any human remains, including those interred outside of formal cemeteries?

Human remains are not known to exist within the project area, nor is there a known cemetery located onsite or in the vicinity. However, construction would involve earth-disturbing activities, and it is still possible that human remains may be discovered, possibly in association with archaeological sites. MM CUL-4 has been included in the unlikely event that human remains are found during ground-disturbing activities. Impacts would be less than significant with implementation of mitigation.

MITIGATION MEASURE(S)

Implement MM CUL-4.

LEVEL OF SIGNIFICANCE

Impacts would be *less than significant with mitigation incorporated*.

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

Discussion

The following analysis is based on project data provided by the applicant, the AQIA (Trinity Consultants, 2023), and available energy resource consumption data.

Impact #3.4.6a – Would the project result in a potentially significant environmental impact due to wasteful, inefficient, or unnecessary consumption of energy resources, during project construction or operation?

The proposed project would involve the use of energy during construction and operation. Energy use during the construction phase would be in the form of fuel consumption (e.g., gasoline and diesel fuel) to operate heavy equipment, light-duty vehicles, and machinery. The long-term operation of the proposed includes electricity and natural gas service to power internal and exterior building lighting, and heating and cooling systems. In addition, the increase in vehicle trips associated with the project would increase fuel consumption within the City.

Electricity service for the proposed project would be provided by Pacific Gas and Electric Company (PG&E). The PG&E and State of California 2021 power mix is detailed in Table 3.4.6-1. Energy usage by sector is outlined in Table 3.4.6-2.

PG&E also maintains approximately 42,141 miles of gas distribution pipelines and 6,438 miles of gas transmission pipelines (PG&E, 2021). Table 3.4.6-3 below presents natural gas consumption by sector for PG&E in 2021.

Table 3.4.6-1
PG&E and the State of California 2021 Power Mix

Energy Resource	PG&E Power Mix	California-Wide Power Mix
Eligible Renewable	31%	33%
Biomass & Biowaste	*3%*	*3%*
Geothermal	*3%*	*5%*
Small Hydroelectric	*1%*	*1%*
Solar	*16%*	*13%*
Wind	*8%*	*11%*
Coal	0%	3%
Large Hydroelectric	10%	12%
Natural Gas	16%	37%
Nuclear	43%	9%
Other	0%	0%
Unspecified [1]	0%	5%
Total	**100%**	**100%**

Source: (PG&E, 2021)
[1] Electricity from transactions that are not traceable to the specific generation source

Table 3.4.6-2
Electricity Consumption in PG&E Service Area (2021)

Agricultural and Water Pump	Commercial Building	Commercial Other	Industry	Mining and Construction	Residential	Total Streetlight	Usage
7,446	26,009	3,869	9,958	1,764	29,229	310	78,587

Source: (California Energy Commission, 2021)
Note: All usage is expressed in millions of kWh (GWh).

Table 3.4.6-3
Natural Gas Consumption in PG&E Service Territory (2021)

Agricultural and Water Pump	Commercial Building	Commercial Other	Industry	Mining and Construction	Residential	Total Usage
52	834	50	1,428	223	1,876	4,467

Source: (California Energy Commission, 2021)
Note: All usage expressed in Millions of Therms

In 2005, Kings County consumed 1,286 million kWh of electricity. Non-residential users were responsible for about 75 percent of all electricity consumption in the County, and users overall (residential and non-residential) consumed an average of 8,858 kWh per capita (City of Lemoore, 2010).

The proposed project's estimated energy usage calculated using CalEEMod and shown in the CalEEMod output files in Appendix A is summarized and compared to statewide usage in

Table 3.4.6-4. As shown in 3.4.6-4, the proposed project would make a minimal contribution to statewide energy consumption in these categories.

Table 3.4.6-4
Estimated Project-Related Energy Usage

Land Use	Energy Type	Energy Usage	Annual StateWide Energy Use	Project % of StateWide Energy
Gas Station/Mini-Mart/Fast Food Restaurant w/ Drive Thru	Natural Gas (kBTU/yr)	666,341	-	-
	Electricity (kWh/yr)	135,092	-	-
Light Industrial	Natural Gas (kBTU/yr)	1,986,300	-	-
	Electricity (kWh/yr)	881,100	-	-
Total Energy Usage	Natural Gas (kBTU/yr)	**2,652,641**	**189,082,861,453** (California Energy Commission, 2021)	**0.0014%**
	Electricity (kWh/yr)	**1,016,192**	**280,738,000,000** (California Energy Commission, 2021)	**0.00036%**

Source: Appendix A

The construction and operation of the project would comply with all applicable federal, State, and local regulations regulating energy usage. The project will implement Title 24 Energy Efficiency Standards and CalGreen Code requirements for new construction that may include rooftop solar, double-pane windows, electric vehicle charging, LED lights, low-flow toilets, faucets drip irrigation, and the use of drought-tolerant landscaping to increase water conservation.

The project would comply with the SJVAPCD requirements regarding the limitation of vehicle idling, and the use of fuel-efficient vehicles and equipment, to the extent feasible. Energy-saving strategies will be implemented where possible to further reduce the project's energy consumption, during the construction phase. Strategies being implemented include those recommended by the California Air Resources Board (CARB) that may reduce both the project's energy consumption, including diesel anti-idling measures, light-duty vehicle technology, usage of alternative fuels such as biodiesel blends and ethanol, and heavy-duty vehicle design measures to reduce energy consumption. As such, impacts would be less than significant.

MITIGATION MEASURE(S)

No mitigation is required.

LEVEL OF SIGNIFICANCE

Impacts would be ***less than significant.***

Impact #3.4.6b – Would the project conflict with or obstruct a State or local plan for renewable energy or energy efficiency?

See Impact #3.4.6a.

The proposed project would be in compliance with all applicable federal, State, and local regulations regulating energy usage. The project will comply with Title 24 Energy Efficiency Standards and CalGreen Code requirements for double-pane windows, electric vehicle charging, LED lights, low-flow toilets, and faucets to increase water conservation. Energy would also be indirectly conserved through water-efficient landscaping requirements consistent with the City's adopted Water Efficient Landscaping Ordinance with the use of drip irrigation and drought-tolerant landscaping.

Stringent solid waste recycling requirements applicable to both project construction and operation would reduce energy consumed in solid waste disposal. In summary, the project will implement all mandatory federal, State, and local conservation measures, and project design features, and voluntary energy conservation measures will further reduce energy demands. Therefore, the project will not conflict with or obstruct a State or local plan for renewable energy or energy efficiency. Project-related impacts are less than significant.

MITIGATION MEASURE(S)

No mitigation is required.

LEVEL OF SIGNIFICANCE

Impacts would be ***less than significant.***

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

Discussion

Impact #3.4.7a(i) – Would the project expose people or structures to potential substantial adverse effects, including the risk of loss, injury, or death involving rupture of a known earthquake fault, as delineated on the most recent Alquist-Priolo Earthquake Fault Zoning Map issued by the State Geologist for the area or based on other substantial evidence of a known fault?

According to the City of Lemoore 2030 General Plan, there are no known major fault systems within Lemoore (City of Lemoore, 2008). The greatest potential for geologic disaster in the City is posed by the San Andres Fault, which is located approximately 60 miles west of the Kings County boundary line within Monterey County.

The project site is not located within an Alquist-Priolo earthquake fault zone (California Department of Conservation, 2023). There are no active fault traces in the project vicinity. Accordingly, the project area is not within an earthquake fault zone.

The General Plan contains a number of policies that would minimize impacts relating to the rupture of a known fault. Development of the proposed gas station/mini-mart and the future industrial area would adhere to all applicable policies of the General Plan and California Building Code for accepted structural standards and minimize the risk of loss, injury, or death. Therefore, impacts would be less than significant.

MITIGATION MEASURE(S)

No mitigation is required.

LEVEL OF SIGNIFICANCE

Impacts would be *less than significant*.

Impact #3.4.7a(ii) – Would the project expose people or structures to potential substantial adverse effects, including the risk of loss, injury, or death involving strong seismic ground shaking?

See response to Impact #3.4.7a.

Secondary hazards from earthquakes include ground shaking/rupture. Since there are no known faults within the immediate area, ground shaking/rupture from surface faulting, seiches, and landslides would not impact the area. Liquefaction potential (sudden loss of shear strength in saturated cohesionless soil) should be low since groundwater occurs below 180 feet (RMA Geoscience, 2023). Lastly, deep subsidence problems may be low to moderate according to the conclusions of the Five County Seismic Safety Element. However, there are no known occurrences of structural or architectural damage due to deep subsidence in the Lemoore area. While such seismic shaking would be less severe than an earthquake that

originates at a greater distance from the project site, the side effects could potentially be damaging to buildings and supporting infrastructure. The project is required to design commercial and industrial buildings and associated infrastructure to withstand substantial ground shaking in accordance with all applicable State laws and applicable codes included in the California Building Code (CBC) Title 24 for earthquake construction standards and building standards code including those relating to soil characteristics (California Building Standards Commission, 2022). The project shall adhere to all applicable local and State regulations to reduce any potentially significant impacts to structures resulting from strong seismic ground shaking at the project site. Therefore, project impacts would be less than significant.

MITIGATION MEASURE(S)

No mitigation is required.

LEVEL OF SIGNIFICANCE

Impacts would be ***less than significant***.

Impact #3.4.7a(iii) - Would the project expose people or structures to potential substantial adverse effects, including the risk of loss, injury, or death involving seismic-related ground failure, including liquefaction?

See discussion of Impacts #3.4.7a(i) and a(ii) above.

The potential magnitude/geographic extent of expansive liquefaction erosion was deemed 'negligible' and its significance 'low' throughout the City (City of Lemoore, 2021). Liquefaction is possible in local areas during a strong earthquake or other seismic ground shaking, where unconsolidated sediments coincide with a high-water table. However, the groundwater occurs below 90 feet which means liquefaction potential would be low. Therefore, impacts would be less than significant.

MITIGATION MEASURE(S)

No mitigation is required.

LEVEL OF SIGNIFICANCE

Impacts would be ***less than significant.***

Impact #3.4.6a(iv) – Would the project expose people or structures to potential substantial adverse effects, including the risk of loss, injury, or death involving landslides?

See Impact #3.4.6a(ii).

The land is relatively flat with no significant topological features. As such, there is no potential for rock falls and landslides to impact the project in the event of a major earthquake, as the area has no dramatic elevation changes.

The site's topography would not change substantially as a result of project development since the site is essentially flat in nature with no surrounding slopes, and it is not considered to be prone to landslides. The project would not expose people or structures to potential substantial adverse effects from landslides. Therefore, there would be no impact.

MITIGATION MEASURE(S)

No mitigation is required.

LEVEL OF SIGNIFICANCE

There would be ***no impact.***

Impact #3.4.7b – Would the project result in substantial soil erosion or the loss of topsoil?

Construction activities associated with the proposed project will disturb surface vegetation and soils during construction and would expose these disturbed areas to erosion by wind and water. To reduce the potential for soil erosion and loss of topsoil, the project would comply with the State Water Resources Control Board's (SWRCB) National Pollutant Discharge Elimination System (NPDES) General Permit (No. 2012-0006-DWQ) during construction. Under the NPDES, the preparation and implementation of a Stormwater Pollution Prevention Plan (SWPPP) are required for construction activities that would disturb an area of one acre or more. A SWPPP must identify potential sources of erosion or sedimentation as well as identify and implement Best Management Practices (BMPs) that ensure reduce erosion. Typical BMPs intended to control erosion include sandbags, retention basins, silt fencing, street sweeping, etc. The project includes the development of a retention basin in the northeast portion of the site to maintain stormwater onsite as required by the City.

Mitigation Measure MM GEO-1 requires the approval of a SWPPP to comply with the NPDES General Construction Permit. The project will comply with all the grading requirements as outlined in Title 24 and Appendix J of the California Building Code (UpCodes, 2022). The project is not expected to result in substantial soil erosion or the loss of topsoil with the incorporation of Mitigation Measure MM GEO-1.

Once constructed, the project will have both impermeable surfaces as well as permeable surfaces. Impermeable surfaces would include roadways, driveways, parking lots, and building sites. Permeable surfaces would include any landscaped areas and open spaces. As noted above, the project will include the installation of a retention basin and stormwater will be directed to the basin.

Overall, the development of the project would not result in conditions where substantial surface soils would be exposed to wind and water erosion. Therefore, impacts would be less than significant with the incorporation of MM GEO-1.

MITIGATION MEASURE(S)

MM GEO-1: If the proposed development will disturb an area of one or more acres, prior to issuing of grading or building permits, the project applicant shall submit to the City: (1) the approved Stormwater Pollution Prevention Plan (SWPPP) and (2) the Notice of Intent (NOI) to comply with the General National Pollutant Discharge Elimination System (NPDES) from the Central Valley Regional Water Quality Control Board. The requirements of the SWPPP and NPDES shall be incorporated into design specifications and construction contracts. Recommended Best Management Practices for the construction phase may include the following:

- Stockpiling and disposing of demolition debris, concrete, and soil properly.
- Protecting existing storm drain inlets and stabilizing disturbed areas.
- Implementing erosion controls.
- Properly managing construction materials.
- Managing waste, aggressively controlling litter, and implementing sediment controls.

Evidence of the approved SWPPP shall be submitted to the Lead Agency.

LEVEL OF SIGNIFICANCE

Impacts would be *less than significant with mitigation incorporated*.

Impact #3.4.7c – Would the project be located on a geologic unit or soil that is unstable, or that would become unstable as a result of the project, and potentially result in on or offsite landslide, lateral spreading, subsidence, liquefaction, or collapse?

See discussion in Impacts #3.4.7a(iii) and 3.4.7a(iv) above

As previously discussed, the site soils are considered stable in that there is not a potential of onsite or offsite landslides, lateral spreading, subsidence, or collapse. As discussed in Impact #3.4.7a(iii), the project site soils have a low overall potential for significant liquefaction to occur at the site. All structures would be subject to all IBC and CBC earthquake construction standards, including those relating to soil characteristics. Additionally, the site is not located near any areas with a sufficient slope that could result in offsite landslides. Moreover, the project will be designed by an engineer to resist potential side-effects of spreading, subsidence, liquefaction, or collapse.

MITIGATION MEASURE(S)

No mitigation is required.

LEVEL OF SIGNIFICANCE

Impacts would be ***less than significant.***

Impact #3.4.7d – Would the project be located on expansive soil, as defined in Table 18-1-B of the Uniform Building Code (1994), creating substantial risks to life or property?

See Impacts #3.4.7b and c.

Expansive clay soils are subject to shrinking and swelling due to changes in moisture content over the seasons. These changes can cause damage or failure to foundations, utilities, and pavements. During periods of high moisture content, expansive soils under foundations can heave and result in structures lifting. In dry periods, the same soils can collapse and result in the settlement of structures.

There are two types of soil found within the project site, these are Grangeville sandy loam and Lemoore sandy loam (Natural Resources Conservation Service, 2023). Generally, clay soils are considered to be expansive in nature, while loam and sandy soils drain well, which makes them non-expansive. Given that the soils are sandy loams, they would not be expansive. There are no other known soil types adjacent to the project site. The project would comply with all applicable safety regulations and building codes. Therefore, there would be less-than-significant impacts.

MITIGATION MEASURE(S)

No mitigation is required.

LEVEL OF SIGNIFICANCE

Impacts would be ***less than significant.***

Impact #3.4.7e – Would the project have soils incapable of adequately supporting the use of septic tanks or alternative wastewater disposal systems in areas where sewers are not available for the disposal of wastewater?

Refer to *Section 3.4.19 - Utilities and Service Systems*.

The proposed project does not include the development or use of septic tanks or alternative wastewater disposal systems as the project would connect to the City's existing sewer system. Future development of the industrial zoned parcels would be subject to review and permit by the City of Lemoore and require connection to City services. Therefore, there would be no impact.

MITIGATION MEASURE(S)

No mitigation is required.

LEVEL OF SIGNIFICANCE

There would be *no impact*.

Impact #3.4.7f – Would the project directly or indirectly destroy a unique paleontological resource or site or unique geologic feature?

The project intends to use undisturbed land; all construction will be conducted within the footprint of the existing campus. There are no unique geological features or known fossil-bearing sediments expected to be in the vicinity of the project site. However, there remains the possibility for previously unknown, buried paleontological resources or unique geological sites to be uncovered during subsurface construction activities. Therefore, this would be a potentially significant impact. However, MM GEO-2, requires that if unknown paleontological resources are discovered during construction activities, work within a 25-foot buffer would cease until a qualified paleontologist determined the appropriate course of action. With implementation of MM GEO-2, the project will have a less-than-significant impact.

MITIGATION MEASURE(S)

MM GEO-2: If any paleontological resources are encountered during ground-disturbance activities, all work within 25 feet of the find shall halt until a qualified paleontologist as defined by the Society of Vertebrate Paleontology Standard Procedures for the Assessment and Mitigation of Adverse Impacts to Paleontological Resources (2010), can evaluate the find and make recommendations regarding treatment. Paleontological resource materials may include resources such as fossils, plant impressions, or animal tracks preserved in rock. The qualified paleontologist shall contact the Natural History Museum of Los Angeles County or another appropriate facility regarding any discoveries of paleontological resources.

If the qualified paleontologist determines that the discovery represents a potentially significant paleontological resource, additional investigations, and fossil recovery may be required to mitigate adverse impacts from project implementation. If avoidance is not feasible, the paleontological resources shall be evaluated for their significance. If the resources are not significant, avoidance is not necessary. If the resources are significant, they shall be avoided to ensure no adverse effects or such effects must be mitigated. Construction in that area shall not resume until the resource-appropriate measures are recommended or the materials are determined to be less than significant. If the resource is significant and fossil recovery is the identified form of treatment, then the fossil shall be deposited in an accredited and permanent scientific institution. Copies of all correspondence and reports shall be submitted to the Lead Agency.

LEVEL OF SIGNIFICANCE

Impacts would be *less than significant with mitigation incorporated*.

	Potentially Significant Impact	Less than Significant with Mitigation Incorporated	Less-than-Significant Impact	No Impact

3.4.8 - GREENHOUSE GAS EMISSIONS

Would the project:

a.	Generate greenhouse gas emissions, either directly or indirectly, that may have a significant impact on the environment?	☐	☐	☒	☐
b.	Conflict with any applicable plan, policy, or regulation adopted for the purpose of reducing the emissions of greenhouse gases?	☐	☐	☒	☐

Discussion

Analysis of greenhouse gases (GHG) is based on the AQIA prepared for the project (Trinity Consultants, 2023), which is included in Appendix A of this document.

Impact #3.4.8a – Would the project generate greenhouse gas emissions, either directly or indirectly, that may have a significant impact on the environment?

The project would generate GHGs from electricity use and the combustion of gasoline/diesel fuels, each of which is regulated near the top of the supply-chain. As such, each citizen of California (including the operator of the project) will have no choice but to purchase electricity and fuels produced in a way that is acceptable to the California market. Thus, project GHG emissions will be consistent with the relevant plan (i.e., AB 32 Scoping Plan). The project would meet its fair share of the cost to mitigate the cumulative impact of global climate change because SHP is purchasing energy from the California market. Thus, the project would have a less-than-significant impact on applicable GHG reduction plans.

Several new laws and executive orders were adopted that require additional reductions in years after 2020. For instance, Senate Bill 32 requires that GHG emissions be 40 percent less than 1990 levels by 2030. More drastic still, Senate Bill 100 which was signed by the Governor recently requires 100 percent zero-carbon electricity by 2045. On the day SB 100 was signed into law, the Governor also signed Executive Order B-55-18 which commits California to total, economy-wide carbon neutrality by 2045 (Trinity Consultants, 2023).

The SJVAPCD does not have thresholds or guidance regarding the significance of GHG emissions. However, South Coast Air Quality Management District (South Coast AQMD), adopted an Interim GHG Significance Threshold. For these reasons, project GHG emissions levels presented in Table 3.4.8-1 are primarily for disclosure purposes because impact analysis for the project follows the approach certified by South Coast. The approach used by

South Coast AQMD to assess GHG impacts recognizes that consumers of electricity and transportation fuels are, in effect, regulated by requiring providers and importers of electricity and fuel to participate in the GHG Cap-and-Trade Program and other programs (e.g., low carbon fuel standard, renewable portfolio standard, etc.). Each such sector-wide program exists within the framework of AB 32 and its descendant laws the purpose of which is to achieve GHG emissions reductions consistent with the AB 32 Scoping Plan.

The construction and operation of this project will result in GHG emissions. The project as a whole is not expected to generate GHGs either directly or indirectly that may have a significant impact on the environment. The project's GHG emissions are primarily from mobile source activities and are shown in Table 3.4.8-1.

Table 3.4.8-1
Estimated Annual Greenhouse Gas Emissions (MT/Year)

	CO_2 Emissions	CH_4 Emissions	N_2O Emissions	CO_2e Emissions
Construction Emissions				
Total	528.97	0.12	0.01	533.80
Operational Emissions				
Area Emissions	0.00	0.00	0.00	0.00
Energy Emissions	235.58	0.02	0.00	237.35
Mobile Emissions	2,620.50	0.26	0.22	2,693.67
Water Emissions	33.70	1.99	0.00	83.50
Waste Emissions	20.09	0.80	0.02	45.73
Total Project Operational Emissions	2,909.87	3.07	0.25	3,060.25
Annualized Construction Emissions	17.63	0.00	0.00	17.79
Project Emissions	**2,909.87**	**3.07**	**0.25**	**3,060.25**

Source: (Trinity Consultants, 2023)

Because climate change is a global issue, a development project like the proposed project, on an individual basis, does not have a reasonable potential to result in a measurable significant impact on global warming or climate change. However, the project would contribute to cumulative GHG emissions that cumulatively result in environmental and health effects associated with climate change across California, the country, and the world. The project's emissions would only be a very small fraction of the statewide GHG emissions. Regardless, given the position of the legislature in AB32 which states that global warming poses serious detrimental effects, and the requirements of CEQA for the Lead Agency to determine if a project would have a cumulatively considerable contribution, the effect of the project's CO_2 contribution may be considered cumulatively considerable. The strategies currently being implemented by CARB can help in reducing the project's GHG emissions and are summarized below:

- Vehicle Climate Change Standards – AB 1493 (Pavley required the State to develop and adopt regulations that achieve the maximum feasible and cost-effective reduction of climate change emissions emitted by passenger vehicles and light-duty trucks. Regulations were adopted by CARB in September 2004.
- Diesel Anti-Idling - In July 2004, CARB adopted a measure to limit diesel-fueled retail motor vehicle idling to five minutes or less.
- Other Light-Duty Vehicle Technology – New standards would be adopted to phase in beginning in the 2017 model year.
- Alternative Fuels: Biodiesel Blends – CARB would develop regulations to require the use of one percent to four percent biodiesel displacement of California diesel fuel.
- Alternative Fuels: Ethanol – Increased use of ethanol fuel.
- Heavy-Duty Vehicle Emission Reduction Measures – Increased efficiency in the design of heavy-duty vehicles and an educational program for the heavy-duty vehicle sector.

Any further feasible emissions reductions would be accomplished through CARB regulations adopted pursuant to AB 32. Overall, the impacts to occur during the construction would be short-term and temporary in nature. As there are no current significance thresholds to quantify construction emissions and because construction-related impacts are considered temporary they are, therefore, generally considered less than significant. In addition, the construction and operation of the proposed project would still have to comply with the SJVAPCD's regulations and requirements as discussed in the air quality section.

The project will not result in the emissions of hydrofluorocarbons (HFCs), perfluorocarbons (PFCs), or sulfur hexafluoride (SF_6), the other gases identified as GHG in AB32. The proposed project will be subject to any regulations developed under AB32 as determined by CARB. Therefore, it is anticipated that the project will not generate significant long-term GHG emissions over its lifetime, and impacts would be less than significant for GHG emission impacts.

MITIGATION MEASURES

No mitigation is required.

LEVEL OF SIGNIFICANCE

Impacts would be ***less than significant***

Impact #3.4.8b – Would the project conflict with any applicable plan, policy, or regulation adopted for the purpose of reducing the emissions of greenhouse gases?

See response to Impact #3.4.8a.

The analysis above takes into account the cumulative nature of the energy industry and recognizes that consumers of electricity and diesel fuel are in effect regulated by higher-level emissions restrictions on the producers of these energy sources. Therefore, the project's contribution to cumulative global climate change impacts would not be cumulatively

considerable. The proposed project is not expected to result in significant GHG emissions and would not conflict with State GHG emission reduction goals.

MITIGATION MEASURES

No mitigation is required.

LEVEL OF SIGNIFICANCE

Impacts would be *less than significant*.

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

Discussion

Analysis in this section is based on the Phase I Environmental Site Assessment (ESA) prepared for the project (RMA Geoscience, 2023), which is included in Appendix C of this document.

Impact #3.4.9a –Create a significant hazard to the public or the environment through the routine transport, use, or disposal of hazardous materials?

Construction

Project construction-related activities may involve the use and transport of hazardous materials. These materials may include fuels, oils, mechanical fluids, and other chemicals used during construction-related activities. As such, these materials could expose human health or the environment to undue risks associated with their use and no significant impacts will occur during construction activities.

Transportation, storage, use, and disposal of hazardous materials during construction activities will be required to comply with applicable federal, State, and local statutes and regulations. Transportation of hazardous materials is regulated by the U.S. Department of Transportation and Caltrans. Additionally, the City's routes that have been designated for hazardous materials transport would be used. Any hazardous waste or debris that is generated during the construction of the proposed project would be collected and transported away from the site and disposed of at an approved offsite landfill or another such facility. In addition, sanitary waste generated during construction would be managed through the use of portable toilets, which would be located at reasonably accessible onsite locations.

Operation of the proposed facilities would involve the routine use and storage of hazardous materials, which includes storage of gasoline in the project's underground fuel storage tanks (UST), as well as delivery of gasoline and subsequent refilling of the tanks. Gasoline is considered a hazardous waste, and therefore, the installation and operation of underground fuel storage tanks are regulated by a variety of State and local agencies.

Development of the gas station/mini-mart would include the installation of UST which would be regulated by the State Water Resources Control Board (SWRCB) and Kings County Department of Public Health, which is the Certified Unified Program Agency (CUPA). The installation and operation of UST will be in compliance with local and State regulations related to UST and hazardous materials. Therefore, the construction of the gas station/mini-mart would not create a hazard to the public or the environment through the routine transport, use, or disposal of hazardous materials. Development of uses associated with the industrial park portion of the project site would be subject to the same regulations and permitting standards as noted above.

Operation

The California Environmental Protection Agency (CalEPA) oversees the statewide implementation of the Hazardous Materials Business Plan (HMBP), which aims to prevent or minimize harm to public health and safety, and the environment from the release or threatened release of hazardous material. The minimum reporting quantities for hazardous materials is 55 gallons for liquids, 500 pounds for solids, or 200 cubic feet for compress gas. If a business handles hazardous materials at or in excess of the minimum thresholds, a HMBP is required to be prepared and approved by the State and local jurisdictions. The project developer/operator will be required to submit information to the California Environmental Reporting System (CERS), Kings County Department of Public Health, and the City of Lemoore regarding the use and storage of hazardous materials. Both the proposed gas station/mini-mart and future industrial uses would be subject to the HMBP requirements if they handle hazardous materials in excess of minimum reporting quantities.

Based on the analysis above, project construction and operation are not anticipated to result in significant impacts as a result of the transportation, use, or disposal of hazardous materials. Therefore, impacts would be less than significant.

MITIGATION MEASURE(S)

No mitigation is required.

LEVEL OF SIGNIFICANCE

Impacts would be *less than significant*.

Impact #3.4.9b – Would the project create a significant hazard to the public or the environment through reasonably foreseeable upset and accident conditions involving the release of hazardous materials into the environment?

See Impact #3.4.9a.

The preparation of the Phase I ESA included a site reconnaissance of the subject property, a review of historical documents related to land use, and a database search of federal, State, and local regulatory agencies. Historical land use was determined that by 1927, the subject property was occupied with agricultural land, and by 1994 the subject property appeared to be vacant land (RMA Geoscience, 2023). A review of federal, State, and local databases indicated that the subject site is not listed on any database. The Phase I ESA concluded that no Recognized Environmental Conditions (REC) in connection to the subject site were found.

There are no active Geologic Energy Management Division (CalGEM) identified oil or gas fields in the project vicinity, and there are no known existing or historical oil wells on the project site (CalGEM, 2023). As such, it is not expected that any wells would be impacted by the project.

Hazardous materials handling on the project site during construction activities may result in soil and groundwater contamination from accidental spills. The proposed gas station/mini-mart, construction would be required to prepare and implement a SWPPP as required per MM GEO-1.

As discussed under response Impact #3.4.9a, the project would involve the routine use and storage of hazardous materials, which includes storage of gasoline in UST, as well as delivery of gasoline and subsequent refilling of the tanks. As such, the installation and operation of underground fuel storage tanks are regulated by a variety of State and local agencies. The project will comply with the applicable regulations and codes during operation, and the impacts would be less than significant.

In addition, construction and operational activities will also be required to comply with the California Fire Code to reduce the risk of potential fire hazards. The City's Fire Department will be responsible for enforcing provisions of the Fire Code and will review project plans and specs prior to the issuance of building permits. The proposed project is not anticipated to create a significant hazard to the public or the environment and impacts would be less than significant.

MITIGATION MEASURE(S)

Implementation of MM GEO-1.

LEVEL OF SIGNIFICANCE

Impacts would be *less than significant with mitigation incorporated*.

Impact #3.4.9c – Would the project emit hazardous emissions or involve handling hazardous or acutely hazardous materials, substances, or waste within one-quarter mile of an existing or proposed school?

P.W. Engvall Elementary School is approximately 0.51 miles north, and Lemoore Union Elementary School is approximately 0.67 miles northeast of the project site.

Construction of the project would require the use of minimal hazardous materials and require implementation of BMPs when handling any hazardous materials, substances, or waste. As noted in Impact #3.4.3a–b, emissions of criteria pollutants during construction and operational activities are expected to be less than significant.

Operation of the project is anticipated to follow State and local requirements for the handling and disposal of hazardous materials as outlined in Impact #3.4.9a–b. Future development and operation of industrial uses would be subject to similar development and operation practices as noted above. The development of the gas station/mini-mart and future industrial uses would be more than one-quarter mile of a school and would, therefore, result in less-than-significant impacts.

MITIGATION MEASURE(S)

No mitigation is required.

LEVEL OF SIGNIFICANCE

Impacts would be *less than significant.*

Impact #3.4.9d – Would the project be located on a site that is included on a list of hazardous materials sites compiled pursuant to Government Code Section 65962.5 and, as a result, would it create a significant hazard to the public or the environment?

There are no REC identified on the property, and the property is not included on a list of hazardous materials sites compiled pursuant to Government Code Section 65962.5 and the Department of Toxic Substances Control (RMA Geoscience, 2023). Therefore, there would be a less-than-significant impact.

MITIGATION MEASURE(S)

No mitigation is required.

LEVEL OF SIGNIFICANCE

Impacts would be *less than significant.*

Impact #3.4.9e – For a project located within an airport land use plan or, where such a plan has not been adopted, within two miles of a public airport or public use airport, would the project result in a safety hazard or excessive noise for people residing or working in the project area?

Naval Air Station Lemoore (NAS Lemoore) runways are located approximately nine miles to the west of the project site. The project is not within the identified Air Installations Compatible Use Zones and would not conflict with military operations (Department of the Navy, 2010).

There are no public airports within two miles of the project site. The closest public airport is the Hanford Municipal Airport, located approximately nine miles east of the project. The project is not within an airport land use compatibility plan area. The construction and operation of the project would not result in the generation of noise levels beyond those that exist in the surrounding area. Therefore, the project would not expose people residing or working in the project area to excessive noise levels due to proximity to an airport, and there would be no impact.

MITIGATION MEASURE(S)

No mitigation is required.

LEVEL OF SIGNIFICANCE

There would be ***no impact***.

Impact #3.4.9f –Would the project impair implementation of, or physically interfere with, an adopted emergency response plan or emergency evacuation plan?

The 2015 Kings County Emergency Operations Plan (EOP) establishes emergency procedures and policies and identifies responsible parties for emergency response in the County and includes the incorporated City of Lemoore (Kings County, 2015). The EOP includes policies that would prevent new development from interfering with the emergency response of evacuation plans.

The General Plan also provides guidance to City staff in the event of extraordinary emergency situations associated with natural disasters and technological incidents (City of Lemoore, 2008). The project would also comply with the appropriate local and State requirements regarding emergency response plans and access. The proposed project would not inhibit the ability of local roadways to continue to accommodate emergency response and evacuation activities. The project would also comply with the appropriate local and State requirements regarding emergency response plans and access. The proposed project would not inhibit the ability of local roadways to continue to accommodate emergency response and evacuation activities.

The proposed gas station/mini-mart and future industrial development would not impair implementation of or physically interfere with an adopted emergency response plan or emergency evacuation plan. Therefore, the project would have a less-than-significant impact.

MITIGATION MEASURE(S)

No mitigation is required.

LEVEL OF SIGNIFICANCE

Impacts would be ***less than significant.***

Impact #3.4.9g – Would the project expose people or structures, either directly or indirectly, to a significant risk of loss, injury, or death involving wildland fires?

The majority of the City is considered to have either little or no threat or a moderate threat of wildfire. Only one percent of the area within Lemoore city boundaries currently has a high threat of wildfire. Wildfire hazard present in the City should decrease as vacant parcels become developed (City of Lemoore, 2008).

The project site is in an unzoned area of the Kings County Fire Hazard Severity Zone Map Local Responsibility Area (LRA) (California Department of Forestry and Fire Protection, 2007). However, Cal Fire has determined that portions of the City of Lemoore are categorized

as a moderate fire hazard severity zone in the LRA. The project site is not located within proximity of a wildland area.

Project-related activities at the project site are not expected to increase the risk of wildfires. The General Plan includes policies that would protect the project and the community from fire dangers. These include the enforcement of fire codes during project-related activities. In addition, developers are required to pay impact fees that offset the impact of development on public services, such as fire protection.

The Lemoore City Fire Department, located approximately one mile away, would provide fire protection services to the project. The project will comply with all applicable State and local building standards as required by local fire codes, as well as impact fees to support additional fire protection services. The project would not expose people or structures to a significant risk of loss, injury, or death involving wildland fires. Therefore, impacts would be less than significant.

MITIGATION MEASURE(S)

No mitigation is required.

LEVEL OF SIGNIFICANCE

Impacts would be ***less than significant***.

3.4.10 - HYDROLOGY AND WATER QUALITY

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

Discussion

Impact #3.4.10a – Would the project violate any water quality standards or waste discharge requirements or otherwise substantially degrade surface or groundwater quality?

See Impact #3.4.9a–b. Project construction would cause a ground disturbance that could result in soil erosion or siltation and subsequent water quality degradation offsite, which is a potentially significant impact. Construction-related activities would also involve the use of materials such as vehicle fuels, lubricating fluids, solvents, and other materials that could result in a polluted runoff, which is also a potentially significant impact. Construction activities involving soil disturbance, excavation, cutting/filling, stockpiling, and grading activities could result in increased erosion and sedimentation to surface waters. However, the potential consequences of any spill or release of these types of materials are generally minimal due to the localized, short-term nature of such releases. The volume of any spills would likely be relatively small because the volume in any single vehicle or container would generally be anticipated to be less than 50 gallons.

Accidental spills or disposal of potentially harmful materials used during construction could possibly wash into and pollute surface water runoff. Mitigation Measure MM GEO-1 requires the preparation and implementation of a SWPPP to comply with the Construction General Permit requirements. With implementation of MM GEO-1, the proposed project would not violate any water quality standards or waste discharge requirements, and construction-related impacts are less than significant.

Once constructed, the project would drain water into the existing City sewer system and would not degrade surface or groundwater quality and impacts would be less than significant. In addition to compliance for preparation of a SWPPP, a HMBP shall be completed and submitted to the State and local jurisdiction for the gas station/mini-mart related to the UST. Any future industrial uses that handle or store hazardous materials at or in excess of minimum reporting thresholds will also be required to comply with these regulations. The HMBP would provide for emergency response plans and procedures to be followed in the event of a reportable release or threatened release of a hazardous material. With implementation of MM GEO-1, operational impacts would be less than significant.

MITIGATION MEASURE(S)

Implementation of Mitigation Measure MM GEO-1.

LEVEL OF SIGNIFICANCE

Impacts would be *less than significant with mitigation incorporated*.

Impact #3.4.10b – Substantially decrease groundwater supplies or interfere substantially with groundwater recharge such that the project may impede sustainable groundwater management of the basin?

The water purveyor for the project is the City of Lemoore. The City has adopted an Urban Water Management Plan (UWMP) (City of Lemoore, 2017). This document is a planning tool that was created to help generally guide the actions of urban water suppliers in successfully preparing for potential water supply disruptions and issues. It provides a framework for long-term water planning and informs the public of a supplier's plans for long-term resource planning that ensures adequate water supplies for existing and future demands.

The City currently utilizes local groundwater as its sole source of municipal water supply. The City's municipal water system extracts its water supply from underground aquifers via six active groundwater wells within the city limits. The City maintains four ground-level storage reservoirs within the distribution system, with a total capacity of 4.4 million gallons (MG) (City of Lemoore, 2017). The groundwater basin underlying the City is the Tulare Lake Basin as defined in the Department of Water Resources Bulletin 118 for construction and operation would come from the City of Lemoore's existing water system. Per the City's 2015 UWMP, the City's existing system has a total supply capacity of 21,674,000 gallons per day with an average day demand of 8,769,000 gallons (City of Lemoore, 2017).

According to the City's UWMP, projected water use for 2025 was determined to increase up to 123 MG for commercial uses and 1,098 MG for industrial uses. By the year 2040, the projected water use is anticipated to be 203 MG for commercial uses and 1,812 MG for industrial uses. Assuming an average water demand of 820 gallons per day per acre (gpda) for regional commercial and 610 gpda for light industrial uses, the estimated water use resulting from the project would be approximately 3,386.6 gallons per day (gpd) for the proposed 4.13-acre regional commercial site and approximately 9,168.3 gpd for the proposed 15.03-acre industrial area that does not include the 1.34-acre basin located in the northern portion of the project site. Therefore, once constructed, the proposed gas station/mini-mart could result in an estimated water demand of 1.24 MG per year (3.8 acre-feet/year (afy)). The anticipated water demand for the proposed industrial uses at full buildout would be approximately 10.2 afy (3.35 MG/year). As noted, the estimated water demand for potential light industrial uses is average at the full building; however, the development would occur incrementally as the light industrial portion would not be developed all at once. The City's anticipated groundwater supplies were determined to be sufficient to meet all demands through the year 2040, even under multiple dry-year drought conditions (City of Lemoore, 2017). Therefore, the project will have a less-than-significant impact related to groundwater demand.

Water would be used for purposes of dust control during grading and construction as well as for minor activities such as the washing of construction equipment and vehicles. Water demands generated by the project during the construction phase would be temporary and not substantial. It is anticipated that groundwater supplies would be adequate to meet construction water demands generated by the project without depleting the underlying aquifer or lowering the local groundwater table. Therefore, project construction and full buildout would not deplete groundwater supplies and impacts would be less than significant.

MITIGATION MEASURE(S)

No mitigation is required.

LEVEL OF SIGNIFICANCE

Impacts would be *less than significant.*

Impact #3.4.10c(i) – Would the project substantially alter the existing drainage pattern of the site or area, including through the alteration of the course of a stream or river, in a manner that would result in substantial erosion or siltation onsite or offsite?

The project site is relatively flat and would require minimal grading. The topography of the site would not appreciably change because of grading activities. The site does not contain any blue-line water features, including streams or rivers. The rate and amount of surface runoff is determined by multiple factors, including the following: topography, the amount and intensity of precipitation, the amount of evaporation that occurs in the watershed, and the amount of precipitation and water that infiltrates to the groundwater. The proposed project would alter the existing drainage pattern of the site, which would have the potential to result in erosion, siltation, or flooding onsite or offsite. The disturbance of soils onsite during construction could cause erosion, resulting in temporary construction impacts. In addition, the placement of permanent structures onsite could affect drainage in the long-term. Impacts from construction and operation are discussed below.

As discussed in Impact #3.4.10(a) above, potential impacts on water quality arising from erosion and sedimentation are expected to be localized and temporary during construction. Construction-related erosion and sedimentation impacts as a result of soil disturbance would be less than significant after implementation of a SWPPP (MM GEO-1) and BMPs required by the NPDES. A retention basin is also proposed at the northern end of the proposed industrial park area and would be developed in accordance with City development standards for basins. No existing drainages or other water bodies are present on the project site, and therefore, the proposed project would not change the course of any such drainages.

Once constructed, the project would contain areas of impervious surfaces that would reduce the rate of percolation at the site, but areas of open space and the proposed retention basin will allow for the percolation of stormwater to recharge the aquifer, or the water would be directed into the City's existing stormwater sewer system. The project would comply with applicable City development standards and codes. Therefore, the project would have a less-than-significant impact on drainage patterns and would not cause substantial erosion or siltation on or off the site.

MITIGATION MEASURE(S)

Implementation of MM GEO-1.

LEVEL OF SIGNIFICANCE

Impacts would be *less than significant with mitigation incorporated*.

Impact #3.4.10c(ii) – Would the project substantially alter the existing drainage pattern of the site or area, including through the alteration of the course of a stream or river, or substantially increase the rate or amount of surface runoff in a manner that would result in flooding onsite or offsite?

No drainages or other water bodies are present on the project site and therefore, development of the site would not change the course of any such drainages that may potentially result in onsite or offsite flooding. Water would be used during the temporary construction phase of the proposed project (e.g., for dust suppression). However, any water used for dust control would be mechanically and precisely applied and generally infiltrate or evaporate instead of running off the site.

The project site is flat, and grading would be minimal. The topography of the site would not change because of grading activities, and it does not contain any water features, streams, or rivers. The potential for the construction of the proposed project to alter existing drainage patterns would be minimized through compliance with the preparation of a SWPPP (MM GEO-1). With implementation of such measures, the project would not substantially increase the amount of runoff in a manner that would result in flooding onsite or offsite. Impacts would be reduced to less-than-significant levels.

MITIGATION MEASURE(S)

Implementation of MM GEO-1.

LEVEL OF SIGNIFICANCE

Impacts would be *less than significant with mitigation incorporated.*

Impact #3.4.10c(iii) – Would the project substantially alter the existing drainage pattern of the site or area, including through the alteration of the course of a stream or river or through the addition of impervious surfaces, in a manner which would create or contribute runoff water which would exceed the capacity of existing or planned stormwater drainage systems or provide substantial additional sources of polluted runoff?

Please see Impacts #3.4.9a–b and #3.4.10a–c above.

The project would comply with all applicable State and City codes and regulations. The retention basin will be constructed based on engineering calculations to ensure that once operational, the project does not create or contribute runoff water that would exceed the capacity of existing or planned stormwater drainage systems or provide substantial additional sources of polluted runoff. Therefore, the project would not create or contribute runoff water that would exceed the capacity of existing or planned stormwater drainage

systems or provide substantial additional sources of polluted runoff. Impacts would be less than significant.

MITIGATION MEASURE(S)

Implementation of MM GEO-1.

LEVEL OF SIGNIFICANCE

Impacts would be *less than significant with mitigation incorporated .*

Impact #3.4.10c(iv) – Would the project substantially alter the existing drainage pattern of the site or area, including through the alteration of the course of a stream or river or through the addition of impervious surfaces, in a manner which would impede or redirect flood flows?

As discussed above in Impact #3.4.10a through c(iii), the project site does not have a stream, river, or other water feature.

The project would develop the site with facilities that would add areas of impervious surfaces and thus increase the rate and amount of potential runoff. This increase in runoff would be accommodated by the stormwater control project design feature that has been developed for the project to minimize impacts to existing drainage patterns of the area such that a substantial increase in the rate or volume of surface runoff and resultant flooding would not occur. The proposed retention basin would decrease surface runoff rates such that flooding onsite or offsite would not occur. Therefore, associated impacts would be less than significant.

MITIGATION MEASURE(S)

No mitigation is required.

LEVEL OF SIGNIFICANCE

Impacts would be *less than significant*.

Impact #3.4.10d – Would the project, in flood hazard, tsunami, or seiche zones, risk release of pollutants due to project inundation?

The project site is not located near the ocean or a steep topographic feature (i.e., mountain, hill, bluff, etc.). Additionally, there is no body of water within the vicinity of the project site. The proposed project's inland location makes the risk of tsunami highly unlikely. The probability of a seiche occurring in the City is also considered negligible.

As shown in Figure 3.4.10-1, the project is not located within a FEMA 100-year floodplain as mapped on a federal flood hazard boundary or flood insurance rate map, or other flood hazard delineation map.

The project site is located approximately 45 miles from the Pine Flat Dam, which is managed by the U.S. Army Corps of Engineers. In the case of dam failure, flood waters would not reach the City for hours. The extremely low probability of dam failure, the large volume of flood water available for dilution of potential pollutants, and the relatively long warning period to prepare indicate that inundation due to dam failure would not have a significant impact on the project (City of Lemoore, 2008).

There is no potential for inundation of the project site by seiche. Therefore, the project would not contribute to inundation by seiche, tsunami, or mudflow.

MITIGATION MEASURE(S)

No mitigation is required.

LEVEL OF SIGNIFICANCE

Impacts would be ***less than significant.***

Impact #3.4.10e – Conflict with or obstruct implementation of a water quality control plan or sustainable groundwater management plan?

Please see Impact #3.4.10b above.

MITIGATION MEASURE(S)

No mitigation is required.

LEVEL OF SIGNIFICANCE

Impacts would be ***less than significant***.

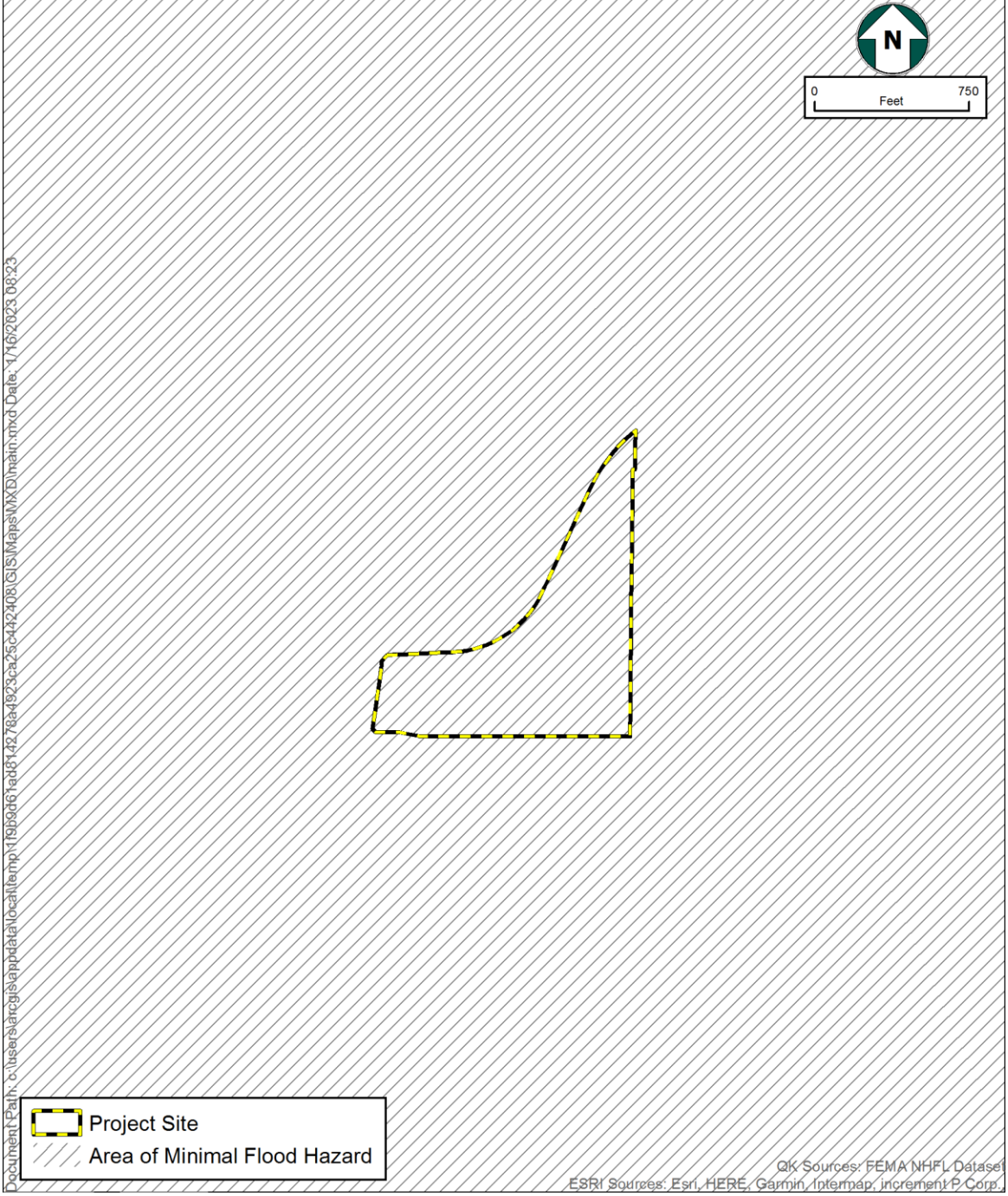

Figure 3.4.10-1
100-Year Floodplain

	Potentially Significant Impact	Less than Significant with Mitigation Incorporated	Less-than-Significant Impact	No Impact

3.4.11 - LAND USE AND PLANNING

Would the project:

a.	Physically divide an established community?	☐	☐	☐	☒
b.	Cause a significant environmental impact due to a conflict with any land use plan, policy, or regulation adopted for the purpose of avoiding or mitigating an environmental effect?	☐	☐	☐	☒

Discussion

Impact #3.4.11a – Would the project physically divide an established community?

There is existing residential development to the east and commercial and industrial land uses to the west and south; SR 198 is to the north. The project will not physically divide an established community. There would be no impact.

MITIGATION MEASURE(S)

No mitigation is required.

LEVEL OF SIGNIFICANCE

There would be ***no impact***.

Impact #3.4.11b – Would the project cause a significant environmental impact due to a conflict with any land use plan, policy, or regulation adopted for the purpose of avoiding or mitigating an environmental effect?

The project requests approval of a General Plan Amendment/Zone Change, a Conditional Use Permit, and a Subdivision Map to allow for the development of the gas station/mini-mart on the western portion of the site and future industrial uses on the eastern portion of the site. With the approval of the associated entitlements, the proposed uses would be consistent with the proposed land use designation. The project would also comply with the pertinent development standards and criteria such as height limitations and setbacks as designated in City's Municipal Code.

General Plan policies found in the Land Use Element and other elements of the City of Lemoore General Plan were reviewed and did not identify any land use plan, policy, or regulation adopted for the purpose of avoiding or mitigating an environmental effect. There would be no impact.

MITIGATION MEASURE(S)

No mitigation is required.

LEVEL OF SIGNIFICANCE

There would be *no impact*.

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

Discussion

Impact #3.4.12a – Would the project result in the loss of availability of a known mineral resource that would be of value to the region and the residents of the State?

The California Department of Conservation, Geological Survey classifies lands into Mineral Resource Zones (MRZs) based on guidelines adopted by the California State Mining and Geology Board, as mandated by the Surface Mining and Reclamation Act of 1974. These MRZs identify whether known or inferred significant mineral resources are present in areas. Lead agencies are required to incorporate identified MRZs resource areas delineated by the State into their General Plans.

The City of Lemoore and the surrounding area have no mapped mineral resources and no regulated mine facilities (City of Lemoore, 2008). Additionally, per the California Department of Conservation – Geologic Energy Management Division (CalGEM), the project site is not within a CalGEM-recognized oilfield. The project design does not include mineral extraction. The project would not result in the loss of availability of a known mineral resource that would be of value to the region and the residents of the State and would therefore have no impact.

MITIGATION MEASURE(S)

No mitigation is required.

LEVEL OF SIGNIFICANCE

There would be *no impact*.

Impact #3.4.12b – Would the project result in the loss of availability of a locally important mineral resource recovery site delineated on a local general plan, specific plan, or other land use plan?

See Impact #3.4.12a above. The project would not result in the loss of availability of a locally important mineral resource recovery site delineated on a local general plan, specific plan, or other land use plan and would therefore have no impact.

MITIGATION MEASURES

No mitigation is required.

LEVEL OF SIGNIFICANCE

There would be ***no impact***.

	Potentially Significant Impact	Less than Significant with Mitigation Incorporated	Less-than-Significant Impact	No Impact
3.4.13 - NOISE				
Would the project result in:				
a. Exposure of persons to, or generate, noise levels in excess of standards established in a local general plan or noise ordinance or applicable standards of other agencies?	☐	☒	☐	☐
b. Exposure of persons to or generate excessive groundborne vibration or groundborne noise levels?	☐	☐	☒	☐
c. For a project located within the vicinity of a private airstrip, would the project expose people residing or working in the project area to excessive noise levels?	☐	☐	☐	☒

Discussion

Impact #3.4.13a – Would the project result in exposure of persons to, or generate, noise levels in excess of standards established in a local general plan or noise ordinance or applicable standards of other agencies?

Land uses deemed sensitive receptors include schools, hospitals, rest homes, and long-term care and mental care facilities, which are considered to be more sensitive to ambient noise levels than others. The nearest sensitive land uses include residential homes bordering the site to the east.

Stationary noise sources can also influence the population, and unlike mobile, transportation-related noise sources, these sources generally have a more permanent and consistent impact on people. These stationary noise sources involve a wide spectrum of uses and activities, including various industrial uses, commercial operations, agricultural production, school playgrounds, high school football games, HVAC units, generators, lawn maintenance equipment, and swimming pool pumps.

The City of Lemoore 2030 General Plan Section 8.6-Noise provides land use compatibility for community noise environment thresholds for low density single-family residential acceptable up to 70 dB (City of Lemoore, 2008).

During the construction phase of the project, noise-generating activities will be present, however, they will be temporary in nature and any machinery used as a part of the

construction of the project will be muffled. Construction activities would be temporary in nature and are anticipated to occur during normal daytime working hours. Implementation of the Mitigation Measure NSE-1 will further reduce the temporary noise impacts from construction-related activities to levels that will not exceed the thresholds established in the City of Lemoore 2030 General Plan.

Operation of the proposed gas station/mini-mart would generate noise levels in a similar fashion to the existing gas station directly west of the site and is not anticipated to exceed noise thresholds established by the General Plan. However, the development of industrial uses along the eastern boundary near existing residences could generate higher noise levels. General Plan Policy SN-I-40 requires developers to mitigate noise impacts of new development on adjacent properties as a condition of approval through appropriate means, including screening and controlling noise sources, increased setbacks for noise sources from adjacent dwellings, and using open space, building orientation and design, landscaping and running water to mask sounds. Development of the light industrial area would be subject to the City Municipal Codes and includes minimum front and rear yard setbacks. A minimum of 25 feet for the rear yard setback will be required for the proposed light industrial zoned lots (City of Lemoore, 2021). The residential development to the east is separated from the adjacent project site by an approximately 20-foot-wide utility easement. The residences are further set away from the project property by backyards, therefore providing an additional noise attenuation buffer from the proposed industrial park.

Additionally, commercial, industrial, and multi-family zone districts shall be screened from abutting residential zone districts by masonry walls or similar solid walls with a minimum height of six feet. The inclusion of development of a minimum six-foot wall is included as a mitigation measure to further buffer and reduce noise generated from potential industrial uses. Additional requirements under the City of Lemoore's Municipal Code for further noise buffering would be applicable for circumstances related to industrial equipment use and would ensure that industrial uses would not exceed established noise thresholds.

Activities that could be expected to generate noise include cars entering and exiting the development, as well as mechanical systems related to heating, ventilation, and air conditioning systems, or industrial equipment. This noise would be similar to those generated by the nearby existing industrial development and would not be of a level that exceeds thresholds with implementation of Mitigation Measure NSE-2, NSE-3, and compliance with applicable development standards for the development of industrial uses abutting residential uses. NSE-2 will require the installation of a masonry or solid wall to buffer noise between proposed light industrial uses, and NSE-3 would prohibit the storage of materials in excess of six feet within the building setbacks to ensure storage and equipment activities do not generate noise in excess of City threshold.

Therefore, these increases in ambient noise are considered less than significant and consistent with applicable standards.

LEVEL OF SIGNIFICANCE

Impacts would be ***less than significant with mitigation incorporated***.

MITIGATION MEASURE

MM NSE-1: During construction, the contractor shall implement the following measures:

a. All stationary construction equipment on the project site shall be located so that noise-emitting objects or equipment face away from any potential sensitive receptors.
b. The construction contractor shall ensure that all construction equipment is equipped with manufacturer-approved mufflers and baffles. During construction, stationary construction equipment shall be placed such that emitted noise is directed away from sensitive noise receivers.
c. Construction activities shall take place during daylight hours, when feasible.

MM NSE-2: Prior to the issuance of an occupancy permit for the first building permit(s), the proposed light industrial zoned parcels abutting residential zone districts along the eastern property line shall be screened with a minimum six-foot masonry wall or similar solid wall.

MM NSE-3: No materials related to an industrial operation shall be stored within the yard setback to a height of more than six feet within 25 feet of property lines adjacent to the residential zone district.

Impact #3.4.13b – Would the project result in exposure of persons to or generate excessive groundborne vibration or groundborne noise levels?

The proposed project is expected to create temporary groundborne vibration as a result of the construction activities (during site preparation and grading). According to the U.S. Department of Transportation, Federal Railroad Administration, vibration is sound radiated through the ground. The rumbling sound caused by the vibration is called groundborne noise. The ground motion caused by vibration is measured as particle velocity in inches per second and is referenced as vibration decibels (VdB). The background vibration velocity level in residential areas is usually around 50 VdB. A list of typical vibration-generating equipment is shown in Table 3.4.13-1. However, the project does not propose to use this specific equipment. The table is meant to illustrate typical levels of vibration for various pieces of equipment.

The vibration velocity level threshold of perception for humans is approximately 65 VdB. A vibration velocity level of 75 VdB is the approximate dividing line between barely perceptible and distinctly perceptible levels for many people.

Table 3.4.13-1
Different Levels of Groundborne Vibration

Vibration Velocity Level	Equipment Type
94 VdB	Vibratory roller
87 VdB	Large bulldozer
87 VdB	Caisson drilling
86 VdB	Loaded trucks
58 VdB	Small bulldozer

Source: (Federal Transit Administration, 2006)
Note: 25 feet from the corresponding equipment.

The Federal Transit Administration (FTA) has published standard vibration velocities for construction equipment operations (Federal Highway Administration (FHWA), U.S. Department of Transportation, 2017). In general, the FTA architectural damage criterion for continuous vibrations (i.e., 0.2 inch/second) appears to be conservative even for sustained pile driving. Building damage can be cosmetic or structural. Ordinary buildings that are not particularly fragile would not experience any cosmetic damage (e.g., plaster cracks) at distances beyond 30 feet. This distance can vary substantially depending on the soil composition and underground geological layer between the vibration source and receiver. In addition, not all buildings respond similarly to vibration generated by construction equipment. The typical vibration produced by construction equipment is illustrated in Table 3.4.13-2.

Table 3.4.13-2
Typical Vibration Levels for Construction Equipment

Equipment	Reference peak particle velocity at 25 feet (inches/second)[1]	Approximate peak particle velocity at 100 feet (inches/second)[2]
Large Bulldozer	0.089	0.011
Loaded Trucks	0.076	0.010
Small Bulldozer	0.003	0.000
Auger/drill Rigs	0.089	0.011
Jackhammer	0.035	0.004
Vibratory Hammer	0.070	0.009
Vibratory Compactor/roller	0.210	0.026

Notes:
1 – Federal Transit Administration, Transit Noise and Vibration Impact Assessment Guidelines, May 2006. Table 12-2.
2 – Calculated using the following formula: PPV equip = PPVref x (25/D)1.5
where: PPV (equip) = the peak particle velocity in in/sec of the equipment adjusted for the distance PPV (ref) = the reference vibration level in in/sec from Table 12-2 of the FTA Transit Noise and Vibration Impact Assessment Guidelines D = the distance from the equipment to the receiver

As indicated in Table 3.4.13-2 based on the FTA data, vibration velocities from typical heavy construction equipment that would be used during project construction range from 0.076 to

0.210 inch-per-second peak particle velocity (PPV) at 25 feet from the source of activity. With regard to the project, groundborne vibration would be generated during site clearing and grading activities onsite facilitated by implementation of the proposed project. As demonstrated in Table 3.4-13-2, vibration levels at 25 feet would range from 0.003 to 0.210 PPV. Therefore, the anticipated vibration levels would not exceed the 0.2 inch-per-second PPV significance threshold during construction at the nearest receptors, which is approximately 50 feet to the east of the proposed industrial uses.

Typical outdoor sources of perceptible groundborne vibration are construction equipment and traffic on rough roads. For example, if a roadway is smooth, the groundborne vibration from traffic is rarely perceptible.

Typically, groundborne vibration generated by construction activity attenuates rapidly with distance from the source of the vibration. Therefore, vibration issues are generally confined to distances of less than 500 feet (U.S. Department of Transportation, 2005). Potential sources of temporary vibration during the construction of the proposed project would be minimal and would include the transportation of equipment to the site.

Construction activity would include various site preparation, grading, fabrication, and site cleanup work. Construction would not involve the use of equipment that would cause high groundborne vibration levels such as pile-driving or blasting. Once constructed, the proposed project would not have any components that would generate high vibration levels. Thus, the construction and operation of the proposed project would not result in any vibration, and impacts would be less than significant.

MITIGATION MEASURE(S)

No mitigation is required.

LEVEL OF SIGNIFICANCE

Impacts would be *less than significant*.

Impact #3.4.13c – For a project located within the vicinity of a private airstrip or an airport land use plan or, where such a plan has not been adopted, within two miles of a public airport or public use airport, would the project expose people residing or working in the project area to excessive noise levels?

There are no public airports within two miles of the project site. The NAS Lemoore runways are located nine miles west of the project site. The closest public airport is the Hanford Municipal Airport, also located approximately nine miles west of the project. The project is not within an airport land use compatibility plan area (Department of the Navy, 2010). Therefore, the project would not expose people residing or working in the project area to excessive noise levels. Therefore, there would be no impact.

MITIGATION MEASURES

No mitigation is required.

LEVEL OF SIGNIFICANCE

There would be ***no impact***.

	Potentially Significant Impact	Less than Significant with Mitigation Incorporated	Less-than-Significant Impact	No Impact
3.4.14 - POPULATION AND HOUSING				
Would the project:				
a. Induce substantial population growth in an area, either directly (for example, by proposing new homes and businesses) or indirectly (for example, through extension of roads or other infrastructure)?	☐	☐	☒	☐
b. Displace substantial numbers of existing housing, necessitating the construction of replacement housing elsewhere?	☐	☐	☐	☒

Discussion

Impact #3.4.14a – Would the project induce substantial population growth in an area, either directly (for example, by proposing new homes and businesses) or indirectly (for example, through extension of roads or other infrastructure)?

According to the U.S. Census Bureau, estimates of the City's population was 26,631 in 2021 (U.S. Census Bureau, 2021). The City anticipates an annual increase in population, with an estimated population of 34,719 in 2025 and 47,115 by 2035 (City of Lemoore, 2017).

The City's General Plan goals include providing appropriately located areas for a broad range of employment-generating uses to strengthen the City's economic base and provide employment opportunities for residents to achieve a jobs-housing balance. The project intends to develop a gas station/mini-mart and light industrial uses within an area that has generally been utilized for similar commercial and industrial uses. Construction of the project would be of short duration and likely be completed by construction workers residing in the City or the surrounding area; they would not require new housing.

It is anticipated that the jobs created by these businesses will be filled by existing residents of the City or nearby towns. It is unlikely these jobs would attract a large influx of new residents that would require increased City services. The project would not induce substantial population growth in an area, either directly or indirectly.

MITIGATION MEASURE(S)

No mitigation is required.

LEVEL OF SIGNIFICANCE

Impacts would be *less than significant.*

Impact #3.4.14b – Would the project displace substantial numbers of existing housing, necessitating the construction of replacement housing elsewhere?

The project site is undeveloped with no structures and no displacement of existing housing would occur. Therefore there would be no impacts.

The proposed project would not require the demolition of any housing, as the project site is currently undeveloped. Therefore, there would be no need to construct replacement housing elsewhere. There would be no impact.

MITIGATION MEASURE(S)

No mitigation is required.

LEVEL OF SIGNIFICANCE

There would be *no impact.*

		Potentially Significant Impact	Less than Significant with Mitigation Incorporated	Less-than-Significant Impact	No Impact

3.4.15 - PUBLIC SERVICES

Would the project:

a.	Result in substantial adverse physical impacts associated with the provision of new or physically altered governmental facilities, need for new or physically altered governmental facilities, the construction of which could cause significant environmental impacts, in order to maintain acceptable service ratios, response times, or to other performance objectives for any of the public services:				
	i. Fire protection?	☐	☐	☒	☐
	ii. Police protection?	☐	☐	☒	☐
	iii. Schools?	☐	☐	☒	☐
	iv. Parks?	☐	☐	☒	☐
	v. Other public facilities?	☐	☐	☒	☐

Discussion

Impact #3.4.15a(i) – Would the project result in substantial adverse physical impacts associated with the provision of new or physically altered governmental facilities, need for new or physically altered governmental facilities, the construction of which could cause significant environmental impacts, in order to maintain acceptable service ratios, response times, or to other performance objectives for any of the public services – fire protection?

The closest station to the project site is located at 210 Fox Street, approximately one mile north of the project site. The proposed project will comply with Title 24 of the California Building Code and local development standards. Additional provisions under the City's adopted Fire Code including an approved water system capable of supplying required fire flow for fire protection purposes may be required by the City.

Development of the project will increase the need for fire protection services and expand the service area and response times of the local City Fire Department. By incorporating the fire standards and the required design features in the project design, fire protection services will be required to provide coverage for both the gas station/mini-mart and future industrial

uses. Because the project will increase both the need and the demand for fire protection services in the City, the project will comply with adopted City municipals for fire requirements, which can include the requirement of impact fee payment and provision of fire suppression equipment, which would reduce impacts to fire protection to less-than-significant levels.

MITIGATION MEASURE(S)

No mitigation is required.

LEVEL OF SIGNIFICANCE

Impacts would be *less than significant*.

Impact #3.4.15a(ii) – Would the project result in substantial adverse physical impacts associated with the provision of new or physically altered governmental facilities, need for new or physically altered governmental facilities, the construction of which could cause significant environmental impacts, in order to maintain acceptable service ratios, response times, or to other performance objectives for any of the public services – police protection?

The City's police station is located at 657 Fox Street, approximately 1.2 miles north of the project site. The proposed project would be located adjacent to residential subdivisions that are served by the City police station. The project may result in environmental impacts related to acceptable service ratios, response times, or other performance objectives specific to police protection services, and expanded police coverage may be required. The project proposes a gas station/mini-mart and industrial development in a previously undeveloped location, which will increase the need for police services. However, the project will pay appropriate development fees based on the adopted fee calculations and is responsible for constructing any infrastructure needed to serve the project. Impacts would be less than significant.

MITIGATION MEASURE(S)

No mitigation is required.

LEVEL OF SIGNIFICANCE

Impacts would be *less than significant*.

Impact #3.4.15a(iii) – Would the project result in substantial adverse physical impacts associated with the provision of new or physically altered governmental facilities, need for new or physically altered governmental facilities, the construction of which could cause significant environmental impacts, in order to maintain acceptable service ratios, response

The project intends to develop a new gas station/mini-mart and future light industrial development. The Project does not result in a change in population where the need for governmental facilities including school sites is necessary to maintain acceptable service

ratios and response times. The project will not result in the need for the provision of new or physically altered governmental facilities.

MITIGATION MEASURE(S)

No mitigation is required.

LEVEL OF SIGNIFICANCE

Impacts would be *less than significant*.

Impact #3.4.15a(iv) – Would the project result in substantial adverse physical impacts associated with the provision of new or physically altered governmental facilities, need for new or physically altered governmental facilities, the construction of which could cause significant environmental impacts, in order to maintain acceptable service ratios, response times, or to other performance objectives for any of the public services – parks?

The project is within the boundaries of the Lemoore Parks and Recreation District. The proposed project does not include uses that would increase the use of park and recreation facilities in the area. The City presently owns and maintains seven parks. The nearest park to the site is Kings Lions Complex, approximately 300 feet north. The project does not significantly affect park and recreation facilities. Impacts would be less than significant.

MITIGATION MEASURE(S)

No mitigation is required.

LEVEL OF SIGNIFICANCE

Impacts would be *less than significant*.

Impact #3.4.15a(v) – Would the project result in substantial adverse physical impacts associated with the provision of new or physically altered governmental facilities, need for new or physically altered governmental facilities, the construction of which could cause significant environmental impacts, in order to maintain acceptable service ratios, response times, or to other performance objectives for any of the public services – other public facilities?

Community facilities are the network of public and private institutions that support the civic and social needs of the population. They offer a variety of recreational, artistic, and educational programs and special events. New community facilities are not specifically sited on the General Plan Land Use Diagram. Small-scale facilities are appropriately sited as integral parts of neighborhoods and communities, while existing larger-scale facilities are generally depicted as public/semi-public land use, as appropriate (City of Lemoore, 2008).

Other public facilities include libraries, refuse pick-up, and other services. All jurisdictions collect planning and building fees as well as impact fees for new development, as necessary.

Property owners would also pay property taxes, some of which are used to pay for improvements to other City services and facilities. Therefore, the project would not result in substantial adverse physical impacts associated with the provision of new or physically altered governmental facilities, need for new or physically altered governmental facilities, the construction of which could cause significant environmental impacts, in order to maintain acceptable service ratios, response times, or other performance objectives for other public facilities.

MITIGATION MEASURE(S)

No mitigation is required.

LEVEL OF SIGNIFICANCE

Impacts would be *less than significant*.

	Potentially Significant Impact	Less than Significant with Mitigation Incorporated	Less-than-Significant Impact	No Impact
3.4.16 - RECREATION				
Would the project:				
a. Increase the use of existing neighborhood and regional parks or other recreational facilities such that substantial physical deterioration of the facility would occur or be accelerated?	☐	☐	☒	☐
b. Include recreational facilities or require the construction or expansion of recreational facilities that might have an adverse physical effect on the environment?	☐	☐	☒	☐

Discussion

Impact #3.4.16a – Would the project Increase the use of existing neighborhood and regional parks or other recreational facilities such that substantial physical deterioration of the facility would occur or be accelerated?

See Impact #3.4.15a(ii) above.

The proposed project does not include use that would increase the use of park and recreation facilities in the area. The proposed project will not result in the physical deterioration of existing parks or recreational facilities. With the payment of the development impact fees, there would be a less-than-significant impact.

MITIGATION MEASURE(S)

No mitigation is required.

LEVEL OF SIGNIFICANCE

Impacts would be *less than significant.*

Impact #3.4.16b – Would the project include recreational facilities or require the construction or expansion of recreational facilities that might have an adverse physical effect on the environment?

See Impact #3.4.15a above.

MITIGATION MEASURE(S)

No mitigation is required.

LEVEL OF SIGNIFICANCE

Impacts would be *less than significant*.

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

Discussion

A Traffic Impact Study (TIS) was prepared for this project (Ruettgers and Schuler, 2023) and is included in Appendix D.

Impact #3.4.17a – Would the project conflict with a program, plan, ordinance or policy addressing the circulation system, including transit, roadway, bicycle and pedestrian facilities?

Transit

The Kings Area Rural Transit (KART) operates two transit routes in Lemoore. Route 12, KART Transit Center to Skyline and Union, has stops at Bush and Belle Haven and West Hills College (WHC). The route operates Monday through Friday with three a.m. and two p.m. stops starting around 8:10 a.m. and stopping at 5:00 p.m. Route 20, KART Transit Center to WHC, likewise, has stops at Bush and Belle Haven and WHC. This route operates Monday through Friday from approximately 6:10 a.m. to 10:40 a.m. with 30-minute headways. The project construction and operation will not create any delays or closures to the transit system.

Bike

Per the City of Lemoore 2030 General Plan, the project site is located approximately 0.5 miles west of the nearest existing bike path located along Golf Links Drive. The construction and operation of the project would not interfere with the bike lane.

Roadways

The City of Lemoore has an adopted level of service standard of LOS "C" or better. Caltrans endeavors to maintain a target LOS at the transition between LOS "C" and LOS "D" on State highway facilities.

The project trip generation and design hour volumes shown in Table 3.4.17-1 were estimated using the Institute of Transportation Engineers (ITE) Trip Generation Manual, 11th Edition.

Table 3.4.17-1
Project Trip Generation

Land Use			Daily Trips			AM Peak Hour Trips			PM Peak Hour Trips	
ITE Code	Development Type	Variable	ADT Rate	ADT	Rate	IN Split Trips	OUT Split Trips	Rate	In Split Trips	OUT Split Trips
934	Fast-food Restaurant w/Drive-thru	2.87 1,000 sq. ft. gross floor area (GFA)	467.48	1,342	44.61	51% 65	49% 63	33.03	52% 49	48% 46
945	Convenience Market/Gas Station	20 Vehicle Fueling Positions	345.75	6,915	31.6	50% 316	50% 316	26.9	50% 269	50% 269
950	Truck Stop	5 Vehicle Fueling Positions	224	1,120	13.97	49% 34	51% 36	15.42	53% 41	47% 36
110	General Light Industrial	70 1,000 sq. ft. GFA	Eq	314	Eq	88% 45	12% 6	Eq	14% 4	86% 27
150	Warehousing	30 1,000 sq. ft. GFA	Eq	86	Eq	77% 21	23% 6	Eq	29% 8	72% 22
Subtotal				9,776		481	427		371	400
Reductions										
Capture				469		21	21		18	18
Pass-by				1,407		62	62		54	53
Total				7,900		398	344		299	329

Source: Appendix D

Table 3.4.17-2 below depicts the intersection LOS for both AM and PM peak hours. As depicted in Table 3.4.17-2 below, the LOS on the southbound 19th Avenue and Iona Avenue intersection would operate below a LOS "C" level.

Table 3.4.17-2
Intersection Level of Service

Intersection		Control Type	2023	2023+Project	2043	2043+ Project	2043+Project w/Mitigation
19th Avenue & SR 198 WB Ramps	AM	Signal	B	B	B	B	-
	PM		B	B	B	B	-
19th Avenue SR 198 EB Ramps	AM	Signal	B	C	B	C	-
	PM		C	C	C	C	-
19th Avenue & Iona Avenue	AM	NB	B	B	C	C	-
		SB	B	D (31.9)	C	F (233.8)	-
		Signal					C
	PM	NB	B	B	C	C	-
		SB	B	E (35.5)	F (134.5)	F (>300)	-
		Signal					C

Notes: Intersection delay in seconds per vehicle is shown in parentheses
Source: Appendix D

As shown in Table 3.4.17-2, with the development of near-term projects and the proposed project, the intersections at 19th Avenue and Iona Avenue would operate below an acceptable level of service. It is anticipated that these intersections would also operate below LOS D in the year 2043. The remaining intersections within the scope of the study are anticipated to operate at acceptable levels of service during the peak hour.

To mitigate the intersection that is projected to operate below the appropriate adopted level of service standard, MM TRA-1 should be implemented. As determined in the TIS, the implementation of a traffic signal at the 19th Avenue and Iona Avenue intersection would allow the intersection to operate at an acceptable LOS.

MITIGATION MEASURE(S)

MM TRA-1: Prior to the issuance of building permits for the commercial development and subsequent industrial development, the developer and any future developer shall pay its pro rata share for:

- Signalization of the 19th Avenue and Iona Avenue intersection based on 49.7 percent.

The pro rata share for signalization of the 19th Avenue and Iona Avenue intersection, for each phase of development associated with the project, shall be determined by the City of Lemoore and shall be paid prior to the issuance of building permits.

LEVEL OF SIGNIFICANCE

Impacts would be ***less than significant with mitigation incorporated***.

Impact #3.4.17b – Would the project conflict or be inconsistent with CEQA Guidelines Section 15064.3, subdivision (b)?

The State of California Governor's Office of Planning and Research document entitled *Technical Advisory on Evaluating Transportation Impacts in CEQA* (Technical Advisory; TA) provides guidance for determining a project's transportation impacts based on VMT. Under CEQA, lead agencies have the authority to establish their own VMT significance thresholds and analysis methodologies or rely on thresholds and methodologies recommended by other agencies, provided such guidelines are supported by substantial evidence. The City of Lemoore has not developed or adopted a VMT policy, so the VMT analysis for the prepared TIS was conducted following OPR technical advisory recommendations.

According to OPR TA recommendations, land development with mixed uses may be analyzed either based on individual project land uses or the project's dominant land use. The dominant project land use in terms of trip generation is the convenience market/gas station which will generate approximately 9,377 daily trips, whereas the proposed industrial uses would generate approximately 400 daily trips. Therefore, the convenience market/gas station was analyzed as the dominant use. According to OPR TA, stores with less than 50,000 square feet of floor space may be presumed to create a less-than-significant VMT impact since such "local-serving" retail developments typically provide closer shopping destinations resulting in shorter trip lengths (Ruettgers and Schuler, 2023). Therefore, consistent with OPR guidelines, project-related traffic would not result in a significant transportation impact related to VMT and would not be inconsistent with CEQA Guidelines, Section 15064.3, subdivision (b).

MITIGATION MEASURE(S)

No mitigation is required.

LEVEL OF SIGNIFICANCE

Impacts would be ***less than significant.***

Impact #3.4.17c – Would the project substantially increase hazards due to a geometric design feature (e.g., sharp curves or dangerous intersections) or incompatible uses (e.g., farm equipment)?

The project will be designed to the current City of Lemoore development standards and safety regulations. All-access points from public right-of-way will be constructed to comply

with the City and Caltrans regulations, and design and safety standards of Chapter 33 of the California Building Codes (CBC) and the guidelines of Title 24 in order to create safe and accessible roadways.

Vehicles exiting the development will be provided with a clear view of the roadway without obstructions. Landscaping associated with the entry driveways could impede such views if improperly installed. Specific circulation patterns and roadway designs will incorporate all applicable safety measures to ensure that hazardous design features or inadequate emergency access to the site or other areas surrounding the project area would not occur.

Therefore, with the incorporated design features and all applicable rules and regulations, the project will have a less-than-significant impact.

MITIGATION MEASURE(S)

No mitigation is required.

LEVEL OF SIGNIFICANCE

Impacts would be *less than significant.*

Impact #3.4.17d – Would the project result in inadequate emergency access?

See the discussion in Impact #3.4.9f.

State and City Fire Codes establish standards by which emergency access may be determined. The proposed project would have to provide adequate unobstructed space for fire trucks to turn around. The proposed project site would have adequate internal circulation capacity, including entrance and exit routes to provide adequate unobstructed space for fire trucks and other emergency vehicles to gain access and to turn around. The proposed project would not inhibit the ability of local roadways to continue to accommodate emergency response and evacuation activities. Therefore, impacts would be less than significant.

MITIGATION MEASURE(S)

No mitigation is required.

LEVEL OF SIGNIFICANCE

Impacts would be *less than significant.*

	Potentially Significant Impact	Less than Significant with Mitigation Incorporated	Less-than-Significant Impact	No Impact

3.4.18 - TRIBAL CULTURAL RESOURCES

Would the project:

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

Discussion

Impact #3.4.18a(i) – Would the project cause a substantial adverse change in the significance of a tribal cultural resource, defined in Public Resources Code Section 21074 as either a site, feature, place, cultural landscape that is geographically defined in terms of the size and scope of the landscape, sacred place, or object with cultural value to a California Native American tribe, and that is listed or eligible for listing in the California Register of Historical Resources, or in a local register of historical resources as defined in Public Resources Code Section 5020.1(k)?

Please see Impacts #3.4.5a, #3.4.5b, and #3.4.5c above.

In accordance with SB 18 and AB 52, a NAHC Sacred Land Files records search was requested. A positive response from the NAHC was received on March 15, 2023, which is included in Appendix B of this document. The lead agency also sent out early consultation letters to the appropriate tribal groups as listed in the NAHC list. To date, no comments have been received from a tribal representative.

It was determined with the implementation of Mitigation Measures MM CUL-1 through MM CUL-3, the project would not cause a substantial adverse change in the significance of a tribal cultural resource that is listed or eligible for listing in the California Register of Historical Resources, or in a local register of historical resources.

MITIGATION MEASURE(S)

Implement MM CUL-1 through MM CUL-3.

LEVEL OF SIGNIFICANCE

Impact would be ***less than significant with mitigation incorporated.***

Impact #3.15.17a(ii) - Would the project cause a substantial adverse change in the significance of a tribal cultural resource, defined in Public Resources Code Section 21074 as either a site, feature, place, cultural landscape that is geographically defined in terms of the size and scope of the landscape, sacred place, or object with cultural value to a California Native American tribe, and that is a resource determined by the lead agency, in its discretion and supported by substantial evidence, to be significant pursuant to criteria set forth in subdivision (c) of Public Resources Code Section 5024.1. In applying the criteria set forth in subdivision (c) of Public Resource Code Section 5024.1, the lead agency shall consider the significance of the resource to a California Native American tribe?

Please see Impacts #3.4.5a, #3.4.5b, and #3.4.5d above.

With implementation of Mitigation Measures MM CUL-1 through MM CUL-3, the project would not cause a substantial adverse change in the significance of a tribal cultural resource that is a resource determined by the Lead Agency, in its discretion and supported by substantial evidence, be significant pursuant to criteria set forth in subdivision (c) of Public Resources Code Section 5024.1.

MITIGATION MEASURE(S)

Implement MM CUL-1 through MM CUL-3.

LEVEL OF SIGNIFICANCE

Impacts would be ***less than significant with mitigation incorporated.***

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

Discussion:

Impact #3.4.19a – Would the project require or result in the relocation or construction of new or expanded water, wastewater treatment, or stormwater drainage, electric power, natural gas, or telecommunications facilities, the construction or relocation of which could cause significant environmental effects?

The proposed project will require construction infrastructure to connect to the existing utility infrastructure. This will include water, wastewater, and stormwater drainage connections, all of which would be constructed to meet City development standards. Additionally, the project will include connections for electric power, natural gas, and telecommunications facilities. The installation of this infrastructure will not require any

major upsizing or other offsite construction activities that would cause a significant impact. The new infrastructure would be connected to existing infrastructure that is adjacent to the project site. Electrical, natural gas, and telecommunications facilities would be placed by the individual serving utilities; these entities already have in place safety and siting protocols to ensure that the placement of new utilities to serve new construction would not have a significant effect on the environment.

See Section #3.4.10- *Hydrology and Water Quality* for a discussion of water services wastewater disposal. The project will not require the construction of new water or wastewater treatment facilities. Water usage for dust control during construction-related activities will be minimal due to the small footprint and short duration of construction-related activities of the proposed project.

The proposed project would be subject to the payment of any applicable connection charges and/or fees and extension of services in a manner that is compliant with the Lemoore standards, specifications, and policies. All applicable local, State, and federal requirements and Best Management Practices will be incorporated into the construction and operation of the project. Impacts would be considered less than significant.

MITIGATION MEASURE(S)

No mitigation is required.

LEVEL OF SIGNIFICANCE

Impacts would be ***less than significant.***

Impact #3.4.19b – Would the project have sufficient water supplies available to serve the project and reasonably foreseeable future development during normal, dry and multiple dry years?

See Impact #3.4.10b.

Once constructed, the proposed gas station/mini-mart could result in an estimated water demand of 1.24 MG per year (3.8 acre-feet/year (afy)). The anticipated water demand for the proposed industrial uses at full buildout would be approximately 10.2 afy (3.35 MG/year).

As noted, the estimated water demand for potential light industrial uses is average at the full building which would occur incrementally as the light industrial portion would not be developed all at once. The City's anticipated groundwater supplies were determined to be sufficient to meet all demands through the year 2040, even under multiple dry-year drought conditions (City of Lemoore, 2017). Therefore, the project will have a less-than-significant impact related to groundwater demand.

Water would be used for purposes of dust control during grading and construction as well as for minor activities such as the washing of construction equipment and vehicles. Water

demands generated by the project during the construction phase would be temporary and not substantial. It is anticipated that groundwater supplies would be adequate to meet construction water demands generated by the project without depleting the underlying aquifer or lowering the local groundwater table. Therefore, project construction and full buildout would not deplete groundwater supplies and impacts would be less than significant.

MITIGATION MEASURE(S)

No mitigation is required.

LEVEL OF SIGNIFICANCE

Impacts would be *less than significant.*

Impact #3.4.19c – Would the project result in a determination by the wastewater treatment provider that serves or may serve the project that it has adequate capacity to serve the project's projected demand in addition to the provider's existing commitments?

The project will connect to the existing City sewer system. The generation of wastewater and water would be consistent with the City's requirements. The proposed increase in water and wastewater usage at the project site is not anticipated to require the construction of new water or wastewater treatment facilities or the expansion of existing facilities. Impacts would be less than significant.

The project will connect to the existing storm drain lines. The site engineering and design plans for the proposed project would be required to implement BMPs, comply with requirements of the City Building and Development Standards, and comply with the NPDES General Permit during construction. Implementation of MM GEO-1 would reduce impacts to less than significant.

Therefore, the project would not require or result in the construction of new stormwater drainage facilities or the expansion of existing facilities.

MITIGATION MEASURE(S)

Implementation of MM GEO-1.

LEVEL OF SIGNIFICANCE

Impacts would be *less than significant with mitigation incorporated.*

Impact #3.4.19d – Would the project generate solid waste in excess of State or local standards, or in excess of the capacity of local infrastructure, or otherwise impair the attainment of solid waste reduction goals?

Implementation of the proposed project would result in the generation of solid waste on the site, which would increase the demand for solid waste disposal. During construction, these

materials, which are not anticipated to contain hazardous materials, would be collected and transported away from the site to an appropriate disposal facility.

Solid waste disposal for Lemoore is managed by Kings Waste and Recycling Authority (KWRA). The City's PWD Refuse Division is responsible for solid waste collection services. The majority of the City's solid waste is taken to the Kettleman Hills non-hazardous landfill facility, owned by Chemical Waste Management (CWMI). The facility is located south of Lemoore and has an available capacity of 15.6 million cubic yards as of 2020 (Cal Recycle , 2020). KWRA is currently studying the future needs of solid waste services, including building a new landfill to be operated by CWMI near the existing site. The County has a 25-year contract with CWMI to handle its solid waste until 2023 (City of Lemoore, 2008).

The project, in compliance with federal, State, and local statutes and regulations related to solid waste, would dispose of all waste generated onsite at an approved solid waste facility. The project does not, and would not conflict with federal, State, or local regulations related to solid waste. The proposed project would be served by a landfill with the sufficient permitted capacity to accommodate the project's solid waste disposal needs in compliance with federal, State, and local statutes and regulations related to solid waste. Therefore, the project would have a less-than-significant impact.

MITIGATION MEASURE(S)

No mitigation is required.

LEVEL OF SIGNIFICANCE

Impacts would be *less than significant*.

Impact #3.4.19e – Would the project comply with federal, State, and local management and reduction statutes and regulations related to solid waste?

See discussion for Impact #3.4.19d.

MITIGATION MEASURE(S)

No mitigation is required.

LEVEL OF SIGNIFICANCE

Impacts would be *less than significant*.

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

Discussion:

Impact #3.4.20a – Would the project substantially impair an adopted emergency response plan or emergency evacuation plan?

See Impact #3.4.9g regarding emergency response.

The project is located south of SR 198 and east of SR 41 in an area planned for industrial and commercial uses. Access for emergency vehicles to the site would be maintained throughout the construction period. The project would not interfere with any local or regional emergency response or evacuation plans because the project would not result in a substantial alteration to the circulation system.

The City has established emergency response and evacuation plans based on the Lemoore Emergency Operations Plan. Impacts related to fire hazards and emergency response plans would be less than significant.

MITIGATION MEASURE(S)

No mitigation is required.

LEVEL OF SIGNIFICANCE

Impacts would be *less than significant*.

Impact #3.4.20b – Would the project, due to slope, prevailing winds, and other factors, exacerbate wildfire risks, and thereby expose project occupants to, pollutant concentrations from a wildfire?

Wildfire hazard data for the Lemoore Planning Area, which includes the project, is provided by the California Department of Forestry and Fire Protection, as summarized in Table 3.4.20-1. The majority of the City is considered to have either little or no threat or a moderate threat of wildfire. Only one percent of the Planning Area currently has a high threat of wildfire. Wildfire hazard present in the Planning Area should decrease as vacant parcels become developed.

Table 3.4.20-1
Existing Wildfire Hazards

Fire Hazards	Acreage	Percent of City Area
Little or No Threat	5,648	46
Moderate	6,494	53
High	85	1
Very High	0	0
Total	**12,227**	**100**

The risk of wildfire is related to a variety of parameters, including fuel loading (vegetation), fire weather (winds, temperatures, humidity levels, and fuel moisture contents), and topography (degree of slope). Steep slopes contribute to fire hazards by intensifying the effects of wind and making fire suppression difficult. Fuels such as grass are highly flammable because they have a high surface area to mass ratio and require less heat to reach the ignition point.

Per the 2007 Fire Hazard Severity Zones in the LRA map, the project site and surrounding area are not identified as being in a fire hazard severity zone (California Department of Forestry and Fire Protection, 2007). The site is located in an area that is predominately urban with some ongoing industrial and commercial activities, which is not considered a significant risk of wildlife. There are no other factors of the project or the surrounding area that would exacerbate wildfire risks, and thereby expose project occupants to pollutant

concentration from a wildfire or the uncontrolled spread of a wildfire. Therefore, impacts would be less than significant.

MITIGATION MEASURE(S)

No mitigation is required.

LEVEL OF SIGNIFICANCE

Impacts would be *less than significant*.

Impact #3.4.20c – Would the project, require the installation or maintenance of associated infrastructure (such as roads, fuel breaks, emergency water sources, power lines?

See Impacts #3.4.20a and b above.

The project includes connection of the project with City infrastructure (water, sewer, electrical power lines, and storm drainage) required to support the proposed gas station/mini-mart. The project site is surrounded by existing and future urban development. The development of the gas station/mini-mart and future development of light industrial uses would be constructed in accordance with all local, State, and federal regulations regarding power lines and other related infrastructure, as well as fire suppression requirements. Therefore, the project would not exacerbate fire risk or result in temporary or ongoing impacts to the environment, and impacts would be less than significant.

MITIGATION MEASURE(S)

No mitigation is required.

LEVEL OF SIGNIFICANCE

Impacts would be *less than significant*.

Impact #3.4.20d – Would the project, expose people or structures to significant risks, including downslope or downstream flooding or landslides, as a result of runoff, post-fire slope instability, or drainage changes?

The project site is not located near the ocean or a steep topographic feature (i.e., mountain, hill, bluff, etc.). Additionally, there is no body of water within the vicinity of the project site. The project is not located within a FEMA 100-year floodplain.

Landslides include rockfalls, deep slope failure, and shallow slope failure. Factors such as geological conditions, drainage, slope, vegetation, and others directly affect the potential for landslides. The project site is relatively flat; therefore, the potential for a landslide in the project site is essentially non-existent. Impacts would be less than significant.

Therefore, the project will not expose people or structures to risks of flooding, landslides, runoff, slope instability, or drainage changes.

MITIGATION MEASURE(S)

No mitigation is required.

LEVEL OF SIGNIFICANCE

Impacts would be *less than significant*.

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

Discussion:

Impact #3.4.21a – Does the project have the potential to degrade the quality of the environment, substantially reduce the habitat of a fish or wildlife species, cause a fish or wildlife population to drop below self-sustaining levels, threaten to eliminate a plant or animal community, substantially reduce the number or restrict the range of a rare or endangered plant or animal, or eliminate important examples of the major periods of California history or prehistory?

As evaluated in this IS/MND, the proposed project would not substantially degrade the quality of the environment; substantially reduce the habitat of a fish or wildlife species; cause a fish or wildlife population to drop below self-sustaining levels; threaten to eliminate a plant or animal community; reduce the number or restrict the range of an endangered, rare, or threatened species; or eliminate important examples of the major periods of California history or prehistory. Mitigation measures have been included to lessen the significance of

potential impacts. Similar mitigation measures would be expected of other projects in the surrounding area, most of which share similar cultural paleontological and biological resources. Consequently, the incremental effects of the proposed project, after mitigation, would not contribute to an adverse cumulative impact on these resources. Therefore, the project would have a less-than-significant impact with mitigation incorporated.

MITIGATION MEASURE(S)

Implement MM BIO-1 through MM BIO-6; MM CUL-1 through MM CUL-3; and GEO-2.

LEVEL OF SIGNIFICANCE

Impacts would be ***less than significant with mitigation incorporated.***

Impact #3.4.21b - Does the project have impacts that are individually limited, but cumulatively considerable? ("Cumulatively considerable" means that the incremental effects of a project are significant when viewed in connection with the effects of past projects, the effects of other current projects, and the effects of probable future projects)?

As described in the impact analyses in Sections 3.4.1 through 3.4.20 of this IS/MND, any potentially significant impacts of the proposed project would be reduced to a less-than-significant level following the incorporation of the mitigation measures. All planned projects in the vicinity of the proposed project would be subject to review in separate environmental documents and required to conform to the City of Lemoore General Plan, zoning, mitigate for project-specific impacts, and provide appropriate engineering to ensure the development meets applicable federal, State and local regulations and codes. As currently designed, and in compliance with the recommended mitigation measures, the proposed project would not contribute to a cumulative impact. Thus, the cumulative impacts of past, present, and reasonably foreseeable future projects would be less-than-cumulatively considerable.

MITIGATION MEASURE(S)

Implement MM BIO-1 through MM BIO-6, MM CUL-1 through MM CUL-3, MM GEO-1, MM GEO-2, MM NSE-1 through MM NSE-3, and MM TRA-1.

LEVEL OF SIGNIFICANCE

Impacts would be ***less than significant with mitigation incorporated.***

Impact #3.4.21c - Does the project have environmental effects that would cause substantial adverse effects on human beings, either directly or indirectly?

All of the project's impacts, both direct and indirect, that are attributable to the project were identified and mitigated to a less-than-significant level. The project will have the appropriate engineering to ensure the development meets applicable federal, State, and local regulations and codes. Thus, the cumulative impacts of past, present, and reasonably foreseeable future projects would be less-than-cumulatively considerable. Therefore, the proposed project

would not either directly or indirectly cause substantial adverse effects on human beings because all potentially adverse direct impacts of the proposed project are identified as having no impact, less-than-significant impact, or less-than-significant impact with mitigation incorporated.

MITIGATION MEASURE(S)

Implement MM BIO-1 through MM BIO-6, MM CUL-1 through MM CUL-3, MM GEO-1, MM GEO-2, MM NSE-1 through MM NSE-3, and MM TRA-1.

LEVEL OF SIGNIFICANCE

Impacts would be ***less than significant with mitigation incorporated***.

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SECTION 5 - LIST OF PREPARERS

5.1 - Lead Agency

City of Lemoore

- Nathan Olson – City Manager
- Steve Brandt– City Planner

5.2 - Technical Assistance

QK

- Jaymie L. Brauer – Project Manager
- Thomas Kobayashi– Lead Technical Writer

SECTION 6 - MITIGATION MONITORING AND REPORTING PROGRAM

Mitigation Monitoring Program					
Impact	**Mitigation Measure**	**Time Frame for Implementation**	**Responsible Monitoring Agency**	**Date**	**Initials**
	Aesthetics				
	No Mitigation required.				
	Agriculture and Forest Resources				
	No Mitigation required.				
	Air Quality				
	No Mitigation required.				
	Biological Resources				
#1	**BIO-1:** Prior to ground disturbing activities, a qualified wildlife biologist shall conduct a biological clearance survey between 14 and 30 days prior to the onset of construction. The clearance survey shall include walking transects to identify presence of San Joaquin kit fox, burrowing owl, nesting birds and other special-status species. The pre-construction survey shall be walked by no greater than 30-foot transects for 100 percent coverage of the project and a 50-foot buffer, where feasible. If no evidence of special-status species is detected, no further action is required except measures BIO-4 through BIO-6 shall be implemented	Within 14 to 30 days prior to any construction-related activities. **Steps to Compliance:** A. A qualified biologist shall be responsible for the clearance survey. B. If necessary, the qualified biologist shall contact CDFW and USFWS to determine next steps. C. If necessary, the qualified biologist shall implement next steps in consultation with the wildlife agencies. D. The qualified biologist shall prepare a brief report to be submitted to the wildlife agencies within 5 days of completion of the preconstruction survey. E. Lead Agency shall verify compliance.	Lead Agency, Qualified Biologist		
#2	**BIO-2:** The following avoidance and minimization measures shall be implemented during all phases of the project to reduce the potential for impact from the project. They are modified from the *U.S. Fish and Wildlife Service Standardized Recommendations for Protection of the Endangered SJKF Prior to or During Ground Disturbance* (USFWS 2011, Appendix F). a. All food-related trash items such as wrappers, cans, bottles, and food scraps shall be disposed of in securely closed containers. All food-related trash items such as wrappers,	All phases **Steps to Compliance:** A. The measures listed are to be followed while Project is implemented. B. A pre-construction survey shall be sent to the Lead Agency.	Lead Agency, Project operators, contractors		

Mitigation Monitoring Program					
Impact	**Mitigation Measure**	**Time Frame for Implementation**	**Responsible Monitoring Agency**	**Date**	**Initials**
	cans, bottles, and food scraps shall be disposed of in securely closed containers and removed at least once a week from the construction or project site. b. Construction-related vehicle traffic shall be restricted to established roads and predetermined ingress and egress corridors, staging, and parking areas. Vehicle speeds shall not exceed 20 miles per hour (mph) within the project site. c. To prevent inadvertent entrapment of kit fox or other animals during construction, the contractor shall cover all excavated, steep-walled holes or trenches more than two feet deep at the close of each workday with plywood or similar materials. If holes or trenches cannot be covered, one or more escape ramps constructed of earthen fill or wooden planks shall be installed in the trench. Before such holes or trenches are filled, the contractor shall thoroughly inspect them for entrapped animals. All construction-related pipes, culverts, or similar structures with a diameter of four inches or greater that are stored on the project site shall be thoroughly inspected for wildlife before the pipe is subsequently buried, capped, or otherwise used or moved in any way. If at any time an entrapped or injured kit fox is discovered, work in the immediate area shall be temporarily halted and USFWS and CDFW shall be consulted. d. Kit foxes are attracted to den-like structures such as pipes and may enter stored pipes and become trapped or injured. All construction pipes, culverts, or similar structures with a diameter of four inches or greater that are stored at a construction site for one or more overnight periods shall be thoroughly inspected for kit foxes before the pipe is subsequently buried, capped, or otherwise used or moved in				

Mitigation Monitoring Program					
Impact	**Mitigation Measure**	**Time Frame for Implementation**	**Responsible Monitoring Agency**	**Date**	**Initials**
	any way. If a kit fox is discovered inside a pipe, that section of pipe shall not be moved until the USFWS and CDFW have been consulted. If necessary, and under the direct supervision of the biologist, the pipe may be moved only once to remove it from the path of construction activity, until the fox has escaped. e. No pets, such as dogs or cats, shall be permitted on the project sites to prevent harassment, mortality of kit foxes, or destruction of dens. f. Use of anti-coagulant rodenticides and herbicides in project sites shall be restricted. This is necessary to prevent primary or secondary poisoning of kit foxes and the depletion of prey populations on which they depend. All uses of such compounds shall observe labels and other restrictions mandated by the U.S. Environmental Protection Agency, California Department of Food and Agriculture, and other State and federal legislation, as well as additional project-related restrictions deemed necessary by the USFWS and CDFW. If rodent control must be conducted, zinc phosphide shall be used because of the proven lower risk to kit foxes. g. A representative shall be appointed by the project proponent who will be the contact source for any employee or contractor who might inadvertently kill or injure a kit fox or who finds a dead, injured, or entrapped kit fox. The representative shall be identified during the employee education program and their name and telephone number shall be provided to the USFWS. h. The Sacramento Fish and Wildlife Office of USFWS and CDFW shall be notified in writing within three working days of the accidental death or injury to a SJKF during project-related				

Mitigation Monitoring Program					
Impact	**Mitigation Measure**	**Time Frame for Implementation**	**Responsible Monitoring Agency**	**Date**	**Initials**
	activities. Notification must include the date, time, and location of the incident or of the finding of a dead or injured animal and any other pertinent information. The USFWS contact is the Chief of the Division of Endangered Species, at the addresses and telephone numbers below. The CDFW contact can be reached at (559) 243-4014 and R4CESA@wildlifeca.gov. i. All sightings of the SJKF shall be reported to the California Natural Diversity Database (CNDDB). A copy of the reporting form and a topographic map clearly marked with the location of where the kit fox was observed shall also be provided to the Service at the address below. j. Any project-related information required by the USFWS or questions concerning the above conditions, or their implementation may be directed in writing to the U.S. Fish and Wildlife Service at: Endangered Species Division, 2800 Cottage Way, Suite W 2605, Sacramento, California 95825-1846, phone: (916) 414-6620 or (916) 414-6600. k. New sightings of SJKF should be reported to the CNDDB				
#3	**BIO-3:** Within 14 days prior to the start of project ground-disturbing activities, a pre-activity survey with a 500-foot buffer shall be conducted by a qualified biologist knowledgeable in the identification of these species and approved by the CDFW. If dens/burrows that could support any of these species are discovered during the pre-activity survey conducted under MM BIO-1, the avoidance buffers outlined below should be established. No work would occur within these buffers unless the biologist approves and monitors the activity.	Within 14 days prior to ground-disturbing activities. **Steps to Compliance:** A. A preconstruction survey for dens/burrows shall be conducted within 14 days prior to the start of construction. B. If dens/burrows are found during the survey or at any time during construct of the Project, an avoidance buffer ranging from 50 to 500 feet may be required, with the avoidance buffer from any specific den/burrow being determined by the qualified biologist.	Lead Agency,		

Mitigation Monitoring Program					
Impact	**Mitigation Measure**	**Time Frame for Implementation**	**Responsible Monitoring Agency**	**Date**	**Initials**
	San Joaquin Kit Fox • Potential or Atypical den – 50 feet • Known den – 100 feet • Natal or pupping den – 500 feet, unless otherwise specified by CDFW	C. Work is to continue under approval and guidance of qualified biologist.			
#4	**BIO-4:** If construction is planned outside the nesting period for raptors (other than burrowing owl) and migratory birds (February 15 to August 31), no mitigation shall be required. If construction is planned during the nesting season for migratory birds and raptors, a preconstruction survey to identify active bird nests shall be conducted by a qualified biologist to evaluate the site and a 250-foot buffer for migratory birds and a 500-foot buffer for raptors. If nesting birds are identified during the survey, active raptor nests shall be avoided by 500 feet and all other migratory bird nests shall be avoided by 250 feet. Avoidance buffers may be reduced if a qualified onsite monitor determines that encroachment into the buffer area is not affecting nest building, the rearing of young, or otherwise affecting the breeding behaviors of the resident birds. Because nesting birds can establish new nests or produce a second or even third clutch at any time during the nesting season, nesting bird surveys shall be repeated every 30 days as construction activities are occurring throughout the nesting season. No construction or earth-moving activity shall occur within a non-disturbance buffer until it is determined by a qualified biologist that the young have fledged (left the nest) and have attained sufficient flight skills to avoid project construction areas. Once the migratory birds or raptors have completed nesting and the young have fledged, disturbance buffers will no longer be needed and may be removed, and monitoring may cease.	Before construction if initiated during nesting season (February 1 to September 15) **Steps to Compliance:** A. A preconstruction nesting bird survey shall be conducted within 14 days prior to the start of construction. B. If active nests are found during the survey or at any time during construction of the Project, an avoidance buffer ranging from 50 feet to 500 feet may be required, with the avoidance buffer from any specific nest being determined by a qualified biologist. C. Work is to continue under approval and guidance of qualified biologist.	Lead Agency, Project proponent/ Contractor		

<table>
<tr><th colspan="6">Mitigation Monitoring Program</th></tr>
<tr><th>Impact</th><th>Mitigation Measure</th><th>Time Frame for Implementation</th><th>Responsible Monitoring Agency</th><th>Date</th><th>Initials</th></tr>
<tr><td></td><td></td><td></td><td></td><td></td><td></td></tr>
<tr><td>#5</td><td>BIO-5: A qualified biologist shall conduct a preconstruction survey on the project site and within 500 feet of its perimeter, where feasible, to identify the presence of the western burrowing owl. The survey shall be conducted between 14 and 30 days prior to the start of construction activities. If any burrowing owl burrows are observed during the preconstruction survey, avoidance measures shall be consistent with those included in the CDFW Staff Report on Burrowing Owl Mitigation (CDFG 2012). If occupied burrowing owl burrows are observed outside of the breeding season (September 1 through January 31) and within 250 feet of proposed construction activities, a passive relocation effort may be instituted in accordance with the guidelines established by the California Burrowing Owl Consortium (1993) and the California Department of Fish and Wildlife (2012). During the breeding season (February 1 through August 31), a 500-foot (minimum) buffer zone shall be maintained unless a qualified biologist verifies through noninvasive methods that either the birds have not begun egg laying and incubation or that juveniles from the occupied burrows are foraging independently and are capable of independent survival.

In addition, impacts to occupied burrowing owl burrows shall be avoided in accordance with the following table unless a qualified biologist approved by CDFW verifies through non-invasive methods that either: (1) the birds have not begun egg laying and incubation; or (2) that juveniles from the occupied burrows are foraging independently and are capable of independent survival.

<table>
<tr><th rowspan="2">Location</th><th rowspan="2">Time of Year</th><th colspan="3">Level of Disturbance</th></tr>
<tr><th>Low</th><th>Med</th><th>High</th></tr>
</table>
</td><td>Prior to construction</td><td>Lead Agency, Project proponent/ Contractor</td><td></td><td></td></tr>
<tr><td colspan="4">Steps to Compliance:
A. A preconstruction burrowing owl survey shall be conducted within 14 to 30 days prior to the start of construction.
B. If active burrowing owl burrows are observed during the survey or at any time during construction of the Project, avoidance measures shall be implemented.
C. Work is to continue under approval and guidance of the qualified biologist.</td></tr>
</table>

Mitigation Monitoring Program									
Impact	**Mitigation Measure**					**Time Frame for Implementation**	**Responsible Monitoring Agency**	**Date**	**Initials**
	Nesting Sites	**April 1 – Aug 15**	**200 m**	**500 m**	**500 m**				
	Nesting Sites	**Aug 16 – Oct 15**	**200 m**	**200 m**	**500 m**				
	Nesting Sites	**Oct 16 – Mar 31**	**50 m**	**100 m**	**500 m**				
#6	**BIO-6:** Prior to ground-disturbance activities, or within one week of being deployed at the project site for newly hired workers, all construction workers at the project site shall attend a Construction Worker Environmental Awareness Training and Education Program, developed and presented by a qualified biologist. The Construction Worker Environmental Awareness Training and Education Program shall be presented by the biologist and shall include information on the life histories of special-status wildlife and plant species that may be encountered during construction activities, their legal protections, the definition of "take" under the Endangered Species Act, measures the project operator is implementing to protect the species, reporting requirements, specific measures that each worker must employ to avoid take of the species, and penalties for violation of the Act. Identification and information regarding special-status or other sensitive species with the potential to occur on the project site shall also be provided to construction personnel. The program shall include: • An acknowledgment form signed by each worker indicating that environmental training has been completed. • A copy of the training transcript and/or training video/CD, as well as a list of the names of all personnel who attended the training and copies of the signed acknowledgment forms,					Prior to ground-disturbing activities **Steps to Compliance:** A. The Project proponent shall ensure all construction workers complete the Worker Environmental Awareness Training program, which shall be viewed prior to construction.	Lead Agency, Project proponent/ Contractor		

Mitigation Monitoring Program					
Impact	**Mitigation Measure**	**Time Frame for Implementation**	**Responsible Monitoring Agency**	**Date**	**Initials**
	shall be maintained onsite for the duration of construction activities				
	Cultural Resources				
#7	**CUL-1:** Prior to the issuance of building permits, a qualified archeologist shall conduct a cultural resource survey of the project site. If prehistoric or historic-era cultural materials are encountered as a result of the survey, the qualified archeologist shall make recommendations and take further measures to avoid impacts on cultural resources. These measures can include avoidance, testing, and evaluation or data recovery excavation	Prior to issuance of building permits	Lead Agency, Project proponent/ Contractor		
		Steps to Compliance: A. Prior to issuance of building permits, a cultural resource survey of the Project site shall be conducted by a qualified archeologist. B. The qualified archeologist shall assess the significance of any find found during the survey and determine next steps. C. A copy of the survey shall be sent to the Lead Agency.			
#8	**CUL-2:** Prior to any ground disturbance, the applicant shall offer interested tribes the opportunity to provide a Native American	Prior to and during construction and ground-disturbing activities	Lead Agency, Project proponent/		

Mitigation Monitoring Program					
Impact	**Mitigation Measure**	**Time Frame for Implementation**	**Responsible Monitoring Agency**	**Date**	**Initials**
	Monitor during ground-disturbing activities during construction. Tribal participation would be dependent upon the availability and interest of the tribe. Upon coordination with the Lead Agency, any archaeological artifacts recovered shall be donated to an appropriate Tribal Custodian or a qualified scientific institution where they would be afforded long-term preservation. Documentation for the work shall be provided in accordance with applicable cultural resource laws and guidelines		Contractor		
		Steps to Compliance: A. The Project proponent shall offer interested tribes an opportunity to provide a Native American Monitor during ground-disturbing activities. B. Any archeological artifact recovered shall be donated to an appropriate Tribal Custodian or qualified scientific institution. C. The Lead Agency shall verify compliance.			
#9	**CUL-3**: If requested, prior to any ground disturbance, a surface inspection of the site shall be conducted by a Tribal Monitor. The Tribal Monitor shall monitor the site during initial grading or ground-disturbance activities. The Tribal Cultural Staff shall provide preconstruction briefings to supervisory personnel and any excavation contractor, which will include information on potential cultural material finds and, on the procedures, to be enacted if resources are found. Tribal participation would be dependent upon the availability and interest of the tribe. If prehistoric or historic-era cultural materials are encountered during construction activities, all work in the immediate vicinity of the find shall halt until a qualified archaeologist can evaluate the find and make recommendations. Cultural resource materials may include prehistoric resources such as flaked and ground stone tools and debris, shell, bone, ceramics, and fire-affected rock, as well as historic resources such as glass, metal, wood, brick, or structural remnants. If the qualified archaeologist determines that the discovery represents a potentially significant cultural resource, additional investigations may be required to mitigate adverse impacts from Project implementation. These additional studies may	Prior to and during construction and operational activities	Lead Agency, Project proponent/ Contractor		
		Steps to Compliance: A. If requested, a surface inspection of the site shall be conducted by a Tribal Monitor. B. Tribal Cultural Staff shall provide preconstruction briefings to supervisory personnel and any excavation contractor. C. If necessary, work shall cease and the project proponent shall retain a qualified archaeologist to assess finds and recommended procedure. D. The qualified cultural resources specialist shall assess the significance of the find and determine next steps. E. The Lead Agency shall verify compliance.			

Mitigation Monitoring Program					
Impact	**Mitigation Measure**	**Time Frame for Implementation**	**Responsible Monitoring Agency**	**Date**	**Initials**
	include avoidance, testing, and evaluation or data recovery excavation. Implementation of the mitigation measure below would ensure that the proposed Project would not cause a substantial adverse change in the significance of a historical resource. In the event cultural resources are discovered, the archaeologist will notify the agencies. The Lead Agency along with other relevant or tribal officials shall be contacted upon the discovery of cultural resources to begin coordination on the disposition of the find(s). Treatment of any significant cultural resources shall be undertaken with the approval of the Lead Agency				
#10	**CUL-4**: If human remains are discovered during construction or operational activities, further excavation or disturbance shall be prohibited pursuant to Section 7050.5 of the California Health and Safety Code. The specific protocol, guidelines, and channels of communication outlined by the Native American Heritage Commission, in accordance with Section 7050.5 of the Health and Safety Code, Section 5097.98 of the Public Resources Code (Chapter 1492, Statutes of 1982, Senate Bill 297), and Senate Bill 447 (Chapter 44, Statutes of 1987), shall be followed. Section 7050.5(c) shall guide the potential Native American involvement, in the event of discovery of human remains, at the direction of the county coroner	During construction and operational activities.	Lead Agency, Project proponent/ Contractor		
		Steps to Compliance: A. If necessary, work shall cease and the project proponent shall retain a qualified archaeologist to assess finds and recommended procedure. B. The qualified cultural resources specialist shall assess the significance of the find and determine next steps. C. The Lead Agency shall verify compliance.			
	Energy				

Mitigation Monitoring Program					
Impact	**Mitigation Measure**	**Time Frame for Implementation**	**Responsible Monitoring Agency**	**Date**	**Initials**
	No Mitigation required.				
	Geology and Soils				
#8	**GEO-1:** If the proposed development will disturb an area of one or more acres, prior to issuing of grading or building permits, the project applicant shall submit to the City: (1) the approved Stormwater Pollution Prevention Plan (SWPPP) and (2) the Notice of Intent (NOI) to comply with the General National Pollutant Discharge Elimination System (NPDES) from the Central Valley Regional Water Quality Control Board. The requirements of the SWPPP and NPDES shall be incorporated into design specifications and construction contracts. Recommended Best Management Practices for the construction phase may include the following: • Stockpiling and disposing of demolition debris, concrete, and soil properly. • Protecting existing storm drain inlets and stabilizing disturbed areas. • Implementing erosion controls. • Properly managing construction materials. • Managing waste, aggressively controlling litter, and implementing sediment controls. Evidence of the approved SWPPP shall be submitted to the Lead Agency.	Prior to project ground disturbance	Lead Agency, Project proponent/ Contractor		
		Steps to Compliance: A. The Project proponent shall submit an approved Stormwater Pollution Prevention Plan and Notice of Intent to comply with the General National Pollutant Discharge Elimination System for the Central Valley Regional Water Quality Control Board. B. The Lead Agency shall verify compliance.			

Mitigation Monitoring Program					
Impact	**Mitigation Measure**	**Time Frame for Implementation**	**Responsible Monitoring Agency**	**Date**	**Initials**
#9	**GEO-2:** If any paleontological resources are encountered during ground-disturbance activities, all work within 25 feet of the find shall halt until a qualified paleontologist as defined by the Society of Vertebrate Paleontology Standard Procedures for the Assessment and Mitigation of Adverse Impacts to Paleontological Resources (2010), can evaluate the find and make recommendations regarding treatment. Paleontological resource materials may include resources such as fossils, plant impressions, or animal tracks preserved in rock. The qualified paleontologist shall contact the Natural History Museum of Los Angeles County or another appropriate facility regarding any discoveries of paleontological resources. If the qualified paleontologist determines that the discovery represents a potentially significant paleontological resource, additional investigations, and fossil recovery may be required to mitigate adverse impacts from project implementation. If avoidance is not feasible, the paleontological resources shall be evaluated for their significance. If the resources are not significant, avoidance is not necessary. If the resources are significant, they shall be avoided to ensure no adverse effects or such effects must be mitigated. Construction in that area shall not resume until the resource-appropriate measures are recommended or the materials are determined to be less than significant. If the resource is significant and fossil recovery is the identified form of treatment, then the fossil shall be deposited in an accredited and permanent scientific institution. Copies of all correspondence and reports shall be submitted to the Lead Agency	During ground disturbance activities	Lead Agency, Project proponent/ Contractor		
		A. In the event that paleontological resources are encountered during ground disturbance activities, all work within 100 feet shall halt. B. If required, the project proponent shall contact the qualified paleontologist to assess the find. C. The operator shall include a standard inadvertent discovery clause in every construction contract to inform contractors of this requirement. D. The Lead Agency shall verify compliance with the mitigation measure.			
	Greenhouse Gas Emissions				
	No Mitigation required.				

Mitigation Monitoring Program					
Impact	**Mitigation Measure**	**Time Frame for Implementation**	**Responsible Monitoring Agency**	**Date**	**Initials**
	Hazardous Materials				
	Implement Mitigation Measure MM GEO-1				
	Hydrology and Water Quality				
	Implement Mitigation Measure MM GEO-1				
	Land Use and Planning				
	No Mitigation required.				
	Mineral Resources				
	No Mitigation required.				
	Noise				
#10	**NSE-1:** During construction, the contractor shall implement the following measures: a. All stationary construction equipment on the project site shall be located so that noise-emitting objects or equipment face away from any potential sensitive receptors. b. The construction contractor shall ensure that all construction equipment is equipped with manufacturer-approved mufflers and baffles. During construction, stationary construction equipment shall be placed such that emitted noise is directed away from sensitive noise receivers. c. Construction activities shall take place during daylight hours, when feasible.	During construction activities	Lead Agency, Project proponent/ Contractor		
		Steps to Compliance: A. The Project proponent and contractors shall implement the following measures. B. The Lead Agency shall verify compliance.			
#11	**NSE-2:** Prior to the issuance an occupancy permit for the first building permit(s), the proposed light industrial zoned parcels abutting residential zone districts along the eastern property line shall be screened with a minimum six-foot masonry wall or similar solid wall.	Prior to issuance of occupancy permit.	Lead Agency, Project proponent/ Contractor		
		Steps to Compliance: A. The Lead Agency shall verify compliance			

Mitigation Monitoring Program					
Impact	**Mitigation Measure**	**Time Frame for Implementation**	**Responsible Monitoring Agency**	**Date**	**Initials**
#12	**NSE-3:** No materials related to an industrial operation shall be stored within the yard setback to a height of more than six feet within 25 feet of property lines adjacent to the residential zone district.	During operation activities	Lead Agency, Project proponent/ Contractor		
		Steps to Compliance: A. The Lead Agency shall verify compliance.			
	Population and Housing				
	No Mitigation required.				
	Public Services				
	No Mitigation required.				
	Recreation				
	No Mitigation required.				
	Traffic and Transportation				
#13	**TRA-1**: Prior to the issuance of building permits for the commercial development and subsequent industrial development, the developer and any future developer shall pay its pro rata share for: • Signalization of the 19th Avenue and Iona Avenue intersection based on 49.7 percent	Prior to issuance of building permit.	Lead Agency, Project proponent/ Contractor		
		Steps to Compliance: A. The Project proponent shall pay its pro rata share as determined by the Lead Agency prior to issuance of building permits.			
	Tribal Cultural Resources				
	Implement Mitigation Measures MM CUL-1 and MM CUL-3.				
	Utilities and Service Systems				
	Implement Mitigation Measures MM GEO-1.				
	Wildfire				
	No Mitigation required.				

APPENDIX A

AIR QUALITY IMPACT ANALYSIS

AIR QUALITY IMPACT ANALYSIS

Maverik Convenience Store, Fuel Station and Light Industrial
Lemoore, CA

Prepared For:

QK, Inc.
5080 California Avenue, Suite 220
Bakersfield, CA 93309

Prepared By:

TRINITY CONSULTANTS
4900 California Avenue, Suite 420A
Bakersfield, CA 93309
661-282-2200

March 2023

Project 230505.0013

Trinity Consultants

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1. EXECUTIVE SUMMARY

Trinity Consultants has completed an Air Quality Impact Analysis (AQIA) for the Maverik Convenience Store, Fuel Station, and Light Industrial Project (Project). The Project site is located at the northeast corner of Iona Ave and S. 19th Ave. of Lemoore, California along Highway 198.

The proposed Project's construction would include the following criteria pollutant emissions: reactive organic gases (ROG), carbon monoxide (CO), nitrogen dioxide (NO_2), sulfur dioxide (SO_2), and suspended particulate matter (PM_{10} and $PM_{2.5}$). Project operations would generate air pollutant emissions from mobile sources (vehicle activity from delivery trucks, consumers, and employees), energy sources (natural gas and electricity usage), and area sources (incidental activities related to architectural coating, consumer products, and landscape maintenance). Project construction and operational activities would also generate greenhouse gas (GHG) emissions. Criteria and GHG emissions were estimated using the California Emissions Estimator Model (CalEEMod) version 2020.4.0 (California Air Pollution Control Officers Association (CAPCOA) 2021), which is the most current version of the model approved for use by the San Joaquin Valley Air Pollution Control District (SJVAPCD).

Table 4-3 presents the Project's construction emissions and provides substantial evidence to support a *less than significant* air quality impact on the San Joaquin Valley Air Basin. **Table 4-4** presents the Project's operations emissions and provides substantial evidence to support a *less than significant* air quality impact on the San Joaquin Valley Air Basin. Based on the foregoing conclusions, the Project is considered to have *less than significant* air quality impacts on the San Joaquin Valley Air Basin.

SJVAPCD uses a single threshold for determination of significance for both project specific and cumulative impacts. As such, a qualitative evaluation of the cumulative projects supports a finding that the Project's contribution would not be cumulatively considerable because the proposed Project's incremental emissions would be *less than significant*.

2. INTRODUCTION

2.1 Purpose

This AQIA was prepared pursuant to the SJVAPCD Guidance for Assessing and Mitigating Air Quality Impacts (GAMAQI) (SJVAPCD 2015), the City of Lemoore General Plan (2008), and the California Environmental Quality Act (CEQA) Statute and Guidelines (CEQA 2023).

2.2 General Project Description

The Maverik Project is the construction of a convenience store, fuel station and a light industrial development. The Project would be located in Lemoore, California and consists of an 8,852 square foot combined convenience store and fast-food drive thru, 20 gasoline fuel pumps, 5 diesel fuel pumps, 30,000 square feet of warehousing and 70,000 square feet of light industrial development.

Figure 2-1 depicts the regional location and **Figure 2-2** depicts an aerial view of the Project location. Construction of the convenience store and fuel stations are conservatively estimated to begin July 17, 2023, with operations beginning in January 2024. Construction of the warehousing and light industrial development is estimated to begin in January 2024 and be operational in January 2025.

Figure 2-1. Regional Location

Figure 2-2. Project Location

Figure 2-3 depicts the Project site's topography based on Kings County GIS (2023). The Project site is located at an elevation of approximately 222 feet above mean sea level.

Figure 2-3. Project Site Topography

3. SETTING

Protection of the public health is maintained through the attainment and maintenance of ambient air quality standards for various atmospheric compounds and the enforcement of emissions limits for individual stationary sources. The Federal Clean Air Act requires that the U.S. Environmental Protection Agency (EPA) establish National Ambient Air Quality Standards (NAAQS) to protect the health, safety, and welfare of the public. NAAQS have been established for ozone (O_3), CO, NO_2, SO_2, PM_{10} and $PM_{2.5}$, and lead (Pb). California has also adopted ambient air quality standards (CAAQS) for these "criteria" air pollutants. CAAQS are more stringent than the corresponding NAAQS and include standards for hydrogen sulfide (H_2S), vinyl chloride (chloroethene), and visibility reducing particles. The U.S. Clean Air Act Amendments of 1977 required each state to identify areas that were in non-attainment of the NAAQS and to develop State Implementation Plans (SIP's) containing strategies to bring these non-attainment areas into compliance. NAAQS and CAAQS designation/classification for Kings County are presented in **Section 3.1** below.

Responsibility for regulation of air quality in California lies with the California Air Resources Board (CARB) and the 35 local air districts with oversight responsibility held by the EPA. CARB is responsible for regulating mobile source emissions, establishing CAAQS, conducting research, managing regulation development, and providing oversight and coordination of the activities of the 35 air districts. The air districts are primarily responsible for regulating stationary source emissions and monitoring ambient pollutant concentrations. CARB also determines whether air basins, or portions thereof, are “unclassified,” in “attainment” or in “non-attainment” for the NAAQS and CAAQS relying on statewide air quality monitoring data.

3.1 Air Quality Standards

The Project area is located within Kings County’s portion of the San Joaquin Valley Air Basin (SJVAB or Basin). Kings County is included among the eight counties that comprise the SJVAPCD. The SJVAPCD acts as the regulatory agency for air pollution control in the Basin and is the local agency empowered to regulate air pollutant emissions for the Project area. **Table 3-1** provides the NAAQS and CAAQS.

Table 3-1. Federal & California Air Quality Standards

Pollutant	Averaging Time	NAAQS	CAAQS
		Concentration	
O_3	8-hour	0.070 ppm (137 µg/m^3)[a]	0.070 ppm (137 µg/m^3)
	1-hour		0.09 ppm (180 µg/m^3)
CO	8-hour	9 ppm (10 µg/m^3)	9 ppm (10 µg/m^3)
	1-hour	35 ppm (40 µg/m^3)	20 ppm (23 µg/m^3)
NO_2	Annual Average	53 ppb (100 µg/m^3)	0.030 ppm (57 µg/m^3)
	1-Hour	100 ppb (188.68 µg/m^3)	0.18 ppm (339 µg/m^3)
SO_2	3-Hour	0.5 ppm (1,300 µg/m^3)	
	24 Hour	0.14 ppm (365 µg/m^3)	0.04 ppm (105 µg/m^3)
	1-Hour	75 ppb (196 µg/m^3)	0.25 ppm (655 µg/m^3)
Particulate Matter (PM_{10})	Annual Arithmetic Mean		20 µg/m^3
	24-Hour	150 µg/m^3	50 µg/m^3
Fine Particulate Matter ($PM_{2.5}$)	Annual Arithmetic Mean	12 µg/m^3	12 µg/m^3
	24-Hour	35 µg/m^3	
Sulfates	24-Hour		25 µg/m^3
Pb[d]	Rolling Three-Month Average	0.15 µg/m^3	
	30 Day Average		1.5 µg/m^3
H_2S	1-Hour		0.03 ppm (42 µg/m^3)
Vinyl Chloride (chloroethene)	24-Hour		0.010 ppm (26 µg/m^3)
Visibility Reducing particles	8 Hour (1000 to 1800 PST)		[b]

ppm = parts per million
ppb = parts per billion
mg/m^3 = milligrams per cubic meter
µg/m^3 = micrograms per cubic meter

Source: CARB 2016

a. On October 1, 2015, the national 8-hour ozone primary and secondary standards were lowered from 0.075 to 0.070 ppm

b. In 1989, CARB converted both the general statewide 10-mile visibility standards and the Lake Tahoe 30-mile visibility standard to instrumental equivalents, which are “extinction of 0.23 per kilometer” and “extinction of 0.07 per kilometer” for the statewide and Lake Tahoe Air Basin standards, respectively.

Under the provisions of the U.S. Clean Air Act, the Kings County portion of the SJVAB has been classified as nonattainment/extreme, nonattainment/severe, nonattainment, attainment/unclassified, attainment, or unclassified under the established NAAQS and CAAQS for various criteria pollutants. **Table 3-2** provides the SJVAB's designation and classification based on the various criteria pollutants under both NAAQS and CAAQS.

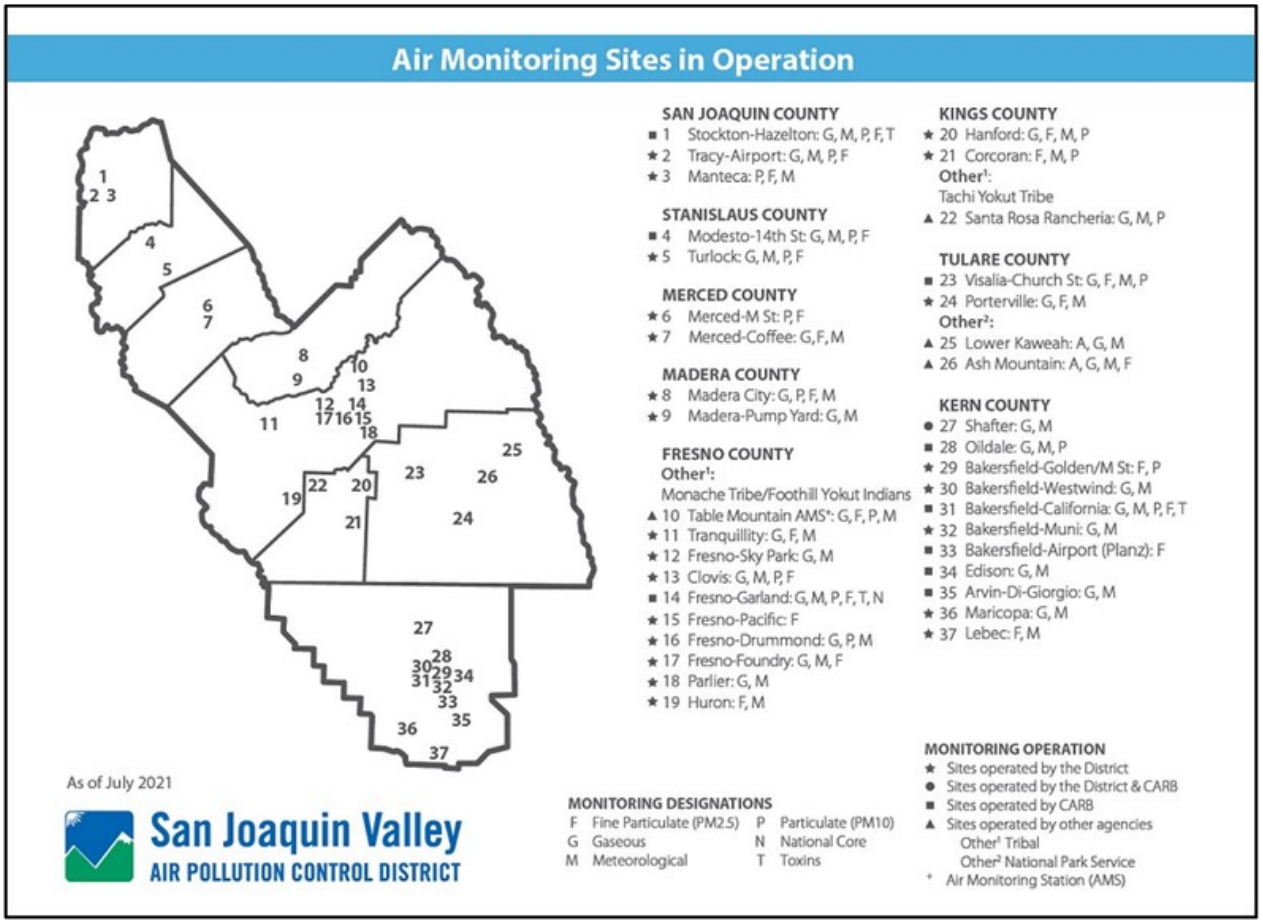
Table 3-2. SJVAB Attainment Status

Pollutant	NAAQS[a]	CAAQS[b]
O_3, 1-hour	No Federal Standard[f]	Nonattainment/Severe
O_3, 8-hour	Nonattainment/Extreme[e]	Nonattainment
PM_{10}	Attainment[c]	Nonattainment
$PM_{2.5}$	Nonattainment[d]	Nonattainment
CO	Attainment/Unclassified	Attainment/Unclassified
NO_2	Attainment/Unclassified	Attainment
SO_2	Attainment/Unclassified	Attainment
Pb (Particulate)	No Designation/Classification	Attainment
H_2S	No Federal Standard	Unclassified
Sulfates	No Federal Standard	Attainment
Visibility Reducing Particulates	No Federal Standard	Unclassified
Vinyl Chloride	No Federal Standard	Attainment

Source: SJVAPCD 2021a
Note:
a. See 40 CFR Part 81
b. See CCR Title 17 Sections 60200-60210
c. On September 25, 2008, EPA redesignated the San Joaquin Valley to attainment for the PM_{10} National Ambient Air Quality Standard (NAAQS) and approved the PM_{10} Maintenance Plan.
d. The Valley is designated nonattainment for the 1997 $PM_{2.5}$ NAAQS. EPA designated the Valley as nonattainment for the 2006 $PM_{2.5}$ NAAQS on November 13, 2009 (effective December 14, 2009).
e. Though the Valley was initially classified as serious nonattainment for the 1997 8-hour O_3 standard, EPA approved Valley reclassification to extreme nonattainment in the Federal Register on May 5, 2010 (effective June 4, 2010).
f. Effective June 15, 2005, the EPA revoked the federal 1-hour O_3 standard, including associated designations and classifications. EPA had previously classified the SJVAB as extreme nonattainment for this standard. EPA approved the 2004 Extreme Ozone Attainment Demonstration Plan on March 8, 2010 (effective April 7, 2010). Many applicable requirements for extreme 1-hour O3 nonattainment areas continue to apply to the SJVAB.

The SJVAPCD, along with CARB, operates an air quality monitoring network that provides information on average concentrations of those pollutants for which Federal or State agencies have established NAAQS and CAAQS, respectively. The monitoring stations in the San Joaquin Valley are depicted in **Figure 3-1**.

Figure 3-1. SJVAPCD Monitoring Network



Source: SJVAPCD 2021b

3.2 Existing Air Quality

For the purposes of background data and this air quality analysis, this analysis relied on data collected in the last three years for the CARB monitoring stations that are located in the closest proximity to the project site. **Table 3-3** provides the background concentrations for O_3, particulate matter of 10 microns (PM_{10}), particulate matter of less than 2.5 microns ($PM_{2.5}$), CO, NO_2, SO_2, and Pb. Information is provided for the Hanford – S Irwin Street, Santa Rosa Rancheria – 17225 Jersey, Corcoran – Patterson Avenue, and Fresno – Garland monitoring stations for 2019 through 2021. No data is available for H_2S, Vinyl Chloride or other toxic air contaminants in Kings County.

Table 3-3. Existing Air Quality Monitoring Data in Project Area

Pollutant and Monitoring Station Location	Maximum Concentration			Days Exceeding Standard		
	2019	2020	2021	2019	2020	2021
O_3 – 1-hour CAAQS (0.09 ppm)						
Hanford – S Irwin Street	0.093	0.103	0.102	0	6	2
Santa Rosa Rancheria – 17225 Jersey	*	0.074	0.095	*	0	1
O_3 – 8-hour CAAQS (0.07 ppm)						
Hanford – S Irwin Street	0.077	0.088	0.096	13	27	18
Santa Rosa Rancheria – 17225 Jersey	*	0.065	0.085	*	0	4
O_3 – 8-hour NAAQS (0.070 ppm)						
Hanford – S Irwin Street	0.076	0.088	0.095	13	26	16
Santa Rosa Rancheria – 17225 Jersey	*	0.066	0.086	*	0	4
PM_{10} – 24-hour CAAQS (50 µg/m^3)						
Hanford – S Irwin Street	220.5	180.9	192.7	17	22	146
Corcoran – Patterson Avenue	*	*	227.2	*	*	160
PM_{10} – 24-hour NAAQS (150 µg/m^3)						
Hanford – S Irwin Street	211.7	180.4	175.0	1	3	2
Corcoran – Patterson Avenue	*	*	254.9	*	*	10
$PM_{2.5}$ - 24-hour NAAQS (35 µg/m^3)						
Hanford – S Irwin Street	48.2	147.0	81.0	20	52	31
Corcoran – Patterson Avenue	58.8	144.3	70.3	17	43	30
CO - 8-Hour CAAQS & NAAQS (9.0 ppm)						
No data collected	*	*	*	*	*	*
NO_2 - 1-Hour CAAQS (0.18 ppm)						
Hanford – S Irwin Street	0.062	0.051	0.051	0	0	0
NO_2 - 1-Hour NAAQS (0.10 ppm)						
Hanford – S Irwin Street	0.063	0.052	0.052	0	0	0
SO_2 – 24-hour Concentration - CAAQS (0.04 ppm) & NAAQS (0.14 ppm)						
No data collected	*	*	*	*	*	*
Pb - Maximum 30-Day Concentration CAAQS (1500 ng/m^3)						
Fresno – Garland	10.3	6.1	6.8	*	*	*

Source: CARB 2023a
Notes: ppm= parts per million
* There was insufficient (or no) data available to determine the value.

The following is a description of criteria air pollutants, typical sources and health effects and the recently documented pollutant levels in the project vicinity.

3.2.1 Ozone (O_3)

The most severe air quality problem in the San Joaquin Valley is high concentrations of O_3. O_3 is not emitted directly into the atmosphere but is a secondary pollutant produced through photochemical reactions involving hydrocarbons and nitrogen oxides (NOx). Significant O_3 generation requires about one to three hours in a stable atmosphere with strong sunlight. For this reason, the months of April through October comprise the "ozone season." O_3 is a regional pollutant because O_3 precursors are transported and diffused by wind concurrently with the reaction process. The data contained in **Table 3-3** shows that the Hanford and Santa Rosa Rancheria area exceeded the 1-hour average ambient O_3 CAAQS and the 8-hour average ambient O_3 NAAQS and CAAQS during the 2019 through 2021 period.

3.2.1.1 Ozone Health Impacts

High levels of O_3 cause eye irritation and can impair respiratory functions. O_3 can cause chest pain, coughing, shortness of breath, and throat irritation; it can also worse chronic respiratory diseases such as asthma and compromise the ability of the body to fight respiratory infections. High levels of O_3 can also affect plants and materials. Grapes, lettuce, spinach and many types of garden flowers and shrubs are particularly vulnerable to O_3 damage.

3.2.2 Suspended Particulate Matter (PM_{10} and $PM_{2.5}$)

Both State and Federal particulate standards now apply to particulates under 10 microns (PM_{10}) rather than to total suspended particulate (TSP), which includes particulates up to 30 microns in diameter. Continuing studies have shown that the smaller-diameter fraction of TSP represents the greatest health hazard posed by the pollutant; therefore, EPA has recently established NAAQS for $PM_{2.5}$. The project area is classified as attainment for PM_{10} and non-attainment for particulates under 2.5 microns ($PM_{2.5}$) for NAAQS.

Particulate matter consists of particles in the atmosphere resulting from many kinds of dust and fume-producing industrial and agricultural operations, from combustion, and from atmospheric photochemical reactions. Natural activities also increase the level of particulates in the atmosphere; wind-raised dust and ocean spray are two sources of naturally occurring particulates. The largest sources of PM_{10} and $PM_{2.5}$ in Kings County are vehicle movement over paved and unpaved roads, demolition and construction activities, farming operations, and unplanned fires. PM_{10} and $PM_{2.5}$ are considered regional pollutants with elevated levels typically occurring over a wide geographic area. Concentrations tend to be highest in the winter, during periods of high atmospheric stability and low wind speed.

Table 3-3 shows that PM_{10} levels regularly exceeded the CAAQS but not the NAAQS at two monitoring stations over the three-year period of 2019 through 2021. **Table 3-3** shows that $PM_{2.5}$ NAAQS were exceeded from 2019 through 2021. Similar levels can be expected to occur in the vicinity of the Project site.

3.2.2.1 Suspended Particulate Matter Health Impacts

In the respiratory tract, very small particles of certain substances may produce injury by themselves or may contain absorbed gases that are injurious. Particulates of aerosol size suspended in the air can both scatter and absorb sunlight, producing haze and reducing visibility. They can also cause a wide range of damage to materials.

3.2.3 Carbon Monoxide (CO)

Ambient CO concentrations normally correspond closely to the spatial and temporal distributions of vehicular traffic. Relatively high concentrations of CO would be expected along heavily traveled roads and near busy intersections. Wind speed and atmospheric mixing also influence CO concentrations; however, under inversion

conditions prevalent in the San Joaquin Valley, CO concentrations may be more uniformly distributed over a broad area.

Internal combustion engines, principally in vehicles, produce CO due to incomplete fuel combustion. Various industrial processes also produce CO emissions through incomplete combustion. Gasoline-powered motor vehicles are typically the major source of this contaminant. **Table 3-3** reports no CO data is available for the three-year period from 2019 through 2021.

3.2.3.1 Carbon Monoxide Health Impacts

CO does not irritate the respiratory tract but passes through the lungs directly into the blood stream, and by interfering with the transfer of fresh oxygen to the blood, deprives sensitive tissues of oxygen, thereby aggravate cardiovascular disease, causing fatigue, headaches, and dizziness. CO is not known to have adverse effects on vegetation, visibility, or materials.

3.2.4 Nitrogen Dioxide (NO_2) and Hydrocarbons

Kings County has been designated as an attainment area for the NAAQS for NO_2. NO_2 is the "whiskey brown" colored gas readily visible during periods of heavy air pollution. Mobile sources and oil and gas production account for nearly all of the County's NOx emissions, most of which is emitted as NO_2. Combustion in motor vehicle engines, power plants, refineries and other industrial operations are the primary sources in the region. Railroads and aircraft are other potentially significant sources of combustion air contaminants. Oxides of nitrogen are direct participants in photochemical smog reactions. The emitted compound, nitric oxide, combines with oxygen in the atmosphere in the presence of hydrocarbons and sunlight to form NO_2 and O_3. NO_2, the most significant of these pollutants, can color the atmosphere at concentrations as low as 0.5 ppm on days of 10-mile visibility. NOx is an important air pollutant in the region because it is a primary receptor of ultraviolet light, which initiates the reactions producing photochemical smog. It also reacts in the air to form nitrate particulates.

Motor vehicles are the major source of reactive hydrocarbons in the basin. Other sources include evaporation of organic solvents and petroleum production and refining operations. **Table 3-3** shows that the Federal and State NO_2 standards have not been exceeded at the monitoring station over the three-year period of 2019 through 2021. Hydrocarbons are not currently monitored.

3.2.4.1 Nitrogen Dioxide and Hydrocarbons Health Impacts

Certain hydrocarbons can damage plants by inhibiting growth and by causing flowers and leaves to fall. Levels of hydrocarbons currently measured in urban areas are not known to cause adverse effects in humans. However, certain members of this contaminant group are important components in the reactions, which produce photochemical oxidants.

3.2.5 Sulfur Dioxide (SO_2)

Kings County has been designated as an attainment area for the NAAQS for SO_2. SO_2 is the primary combustion product of sulfur, or sulfur containing fuels. Fuel combustion is the major source of this pollutant, while chemical plants, sulfur recovery plants, and metal processing facilities are minor contributors. Gaseous fuels (natural gas, propane, etc.) typically have lower percentages of sulfur containing compounds than liquid fuels such as diesel or crude oil. SO_2 levels are generally higher in the winter months. Decreasing levels of SO_2 in the atmosphere reflect the use of natural gas in power plants and boilers.

Table 3-3 shows no data has been reported over the three-year period in Kings County.

3.2.5.1 Sulfur Dioxide Health Impacts

At high concentrations, SO_2 irritates the upper respiratory tract. At lower concentrations, when respirated in combination with particulates, SO_2 can result in greater harm by injuring lung tissues. Sulfur oxides (SOx), in combination with moisture and oxygen, results in the formation of sulfuric acid, which can yellow the leaves of plants, dissolve marble, and oxidize iron and steel. SOx can also react to produce sulfates that reduce visibility and sunlight.

3.2.6 Lead (Pb) and Suspended Sulfate

Ambient Pb levels have dropped dramatically due to the increase in the percentage of motor vehicles that run exclusively on unleaded fuel. Ambient Pb levels in Fresno are well below the ambient standard and are expected to continue to decline; the data reported in **Table 3-3** only shows the highest concentration as the number of days exceeding standards are not reported. Suspended sulfate levels have stabilized to the point where no excesses of the State standard are expected in any given year.

3.2.6.1 Lead and Suspended Sulfate Health Impacts

Pb affects most organs in the body, and children are most susceptible to the effects of Pb. In children, Pb can cause behavior and learning problems, slowed growth, anemia, and hearing problems. In adults, Pb can lead to decreased kidney function, reproductive problems, and cardiovascular effects, such as increased blood pressure and incidence of hypertension. Suspended sulfates are part of $PM_{2.5}$ and therefore have similar health effects. These health effects include reduced lung function, aggravated asthmatic symptoms, and increased risk of emergency department visits, hospitalizations, and death in people who have chronic heart or lung disease.

3.3 Climate

The most significant single control on the weather pattern of the San Joaquin Valley is the semi-permanent subtropical high-pressure cell, referred to as the "Pacific High." During the summer, the Pacific High is positioned off the coast of northern California, diverting ocean-derived storms to the north. Hence, the summer months are virtually rainless. During the winter, the Pacific High moves southward allowing storms to pass through the San Joaquin Valley. Almost all of the precipitation expected during a given year occurs from December through April. During the summer, the predominant surface winds are out of the northwest. Air enters the Valley through the Carquinez strait and flows toward the Tehachapi Mountains. This up-valley (northwesterly) wind flow is interrupted in early fall by the emergence of nocturnal, down-valley (southeasterly) winds which become progressively more predominant as winter approaches. Wind speeds are generally highest during the spring and lightest in fall and winter. The relatively cool air flowing through the Carquinez strait is warmed on its journey south through the Valley. On reaching the southern end of the Valley, the average high temperature during the summer is nearly 100 degrees Fahrenheit (°F). Relative humidity during the summer is quite low, causing large diurnal temperature variations. Temperatures during the summer often drop into the upper 60s. In winter, the average high temperatures reach into the mid-50s and the average low drops to the mid-30s. In addition, another high-pressure cell, known as the "Great Basin High," develops east of the Sierra Nevada Mountain Range during winter. When this cell is weak, a layer of cool, damp air becomes trapped in the basin and extensive fog results. During inversions, vertical dispersion is restricted, and pollutant emissions are trapped beneath the inversion and pushed against the mountains, adversely affecting regional air quality. Surface-based inversions, while shallow and typically short-lived, are present most mornings. Elevated inversions, while less frequent than ground-based inversions, are typically longer lasting and create the more severe air stagnation problems. The winter season characteristically has the poorest conditions for vertical mixing of the entire year.

Meteorological data for various monitoring stations is maintained by the Western Regional Climate Center. Meteorological data for the Project site is expected to be similar to the data recorded at the Hanford 1 S monitoring station. This data is provided in **Table 3-4**, which contains average precipitation data recorded at the Hanford monitoring station. Over the 117-year period from July of 1899 through June of 2016 (the most recent data available), the average annual precipitation was 8.38 inches.

Table 3-4. Hanford 1 S Weather Data

Period of Record Monthly Climate Summary for the Period 07/01/1899 to 6/09/2016													
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
Avg. Maximum Temp (F)	54.7	61.9	67.5	74.9	83.6	91.4	97.8	96.1	90.5	80.0	66.2	55.4	76.7
Avg. Minimum Temp (F)	35.2	38.6	42.1	46.4	52.5	58.3	62.5	60.4	55.5	47.4	38.8	34.6	47.7
Average Total Precipitation (in.)	1.60	1.53	1.48	0.77	0.26	0.09	0.01	0.01	0.16	0.39	0.84	1.24	8.38
Average Snowfall (in.)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Average Snow Depth (in.)	0	0	0	0	0	0	0	0	0	0	0	0	0
Percent of possible observations for period of record: Max. Temp.: 98.4% Min. Temp.: 98.1% Precipitation: 98.8% Snowfall: 98.2% Snow Depth: 98.2%													

Source: Western Regional Climate Center, 2023.

3.4 Climate Change and Greenhouse Gases

3.4.1 Global Climate Change

"Global climate change" refers to change in average meteorological conditions on the earth with respect to temperature, precipitation, and storms, lasting for decades or longer. The term "global climate change" is often used interchangeably with the term "global warming," but "global climate change" is preferred by some scientists and policy makers to "global warming" because it helps convey the notion that in addition to rising temperatures, other changes in global climate may occur. Climate change may result from the following influences:

- Natural factors, such as changes in the sun's intensity or slow changes in the Earth's orbit around the sun;
- Natural processes within the climate system (e.g., changes in ocean circulation); and/or
- Human activities that change the atmosphere's composition (e.g., through burning fossil fuels) and the land surface (e.g., deforestation, reforestation, urbanization, and desertification).

As determined from worldwide meteorological measurements between 1990 and 2005, the primary observed effect of global climate change has been a rise in the average global tropospheric temperature of 0.36 degree Fahrenheit (°F) per decade. Climate change modeling shows that further warming could occur, which could induce additional changes in the global climate system during the current century. Changes to the global climate system, ecosystems, and the environment of California could include higher sea levels, drier or wetter weather, changes in ocean salinity, changes in wind patterns or more energetic aspects of extreme weather (e.g., droughts, heavy precipitation, heat waves, extreme cold, and increased intensity of tropical cyclones). Specific effects from climate change in California may include a decline in the Sierra Nevada snowpack, erosion of California's coastline, and seawater intrusion in the Sacramento-San Joaquin River Delta.

Natural earth systems and human activities, including fossil fuel combustion and land use changes, both release carbon dioxide (CO_2) and other compounds cumulatively termed greenhouse gases (GHGs). GHGs are effective at trapping radiation that would otherwise escape the atmosphere. This trapped radiation warms the atmosphere, the oceans, and the earth's surface (USGCRP, 2014). Many scientists believe "most of the warming observed over the last 50 years is attributable to human activities" (IPCC, 2017). The increased amount of CO_2 and other GHGs in the atmosphere is the alleged primary result of human-induced warming.

GHGs are present in the atmosphere naturally, released by natural sources, or formed from secondary reactions taking place in the atmosphere. They include CO_2, methane (CH_4), nitrous oxide (N_2O), and O_3. In the last 200 years, substantial quantities of GHGs have been released into the atmosphere, primarily from fossil fuel combustion. These human-induced emissions are increasing GHG concentrations in the atmosphere, therefore enhancing the natural greenhouse effect. The GHGs resulting from human activity are believed to be causing global climate change. While human-made GHGs include CO_2, CH_4, and N_2O, some (like chlorofluorocarbons [CFCs]) are completely new to the atmosphere. GHGs vary considerably in terms of Global Warming Potential (GWP), the comparative ability of each GHG to trap heat in the atmosphere. The GWP is based on several factors, including the relative effectiveness of a gas to absorb infrared radiation and the length of time that the gas remains in the atmosphere ("atmospheric lifetime"). The GWP of each gas is measured relative to CO_2, the most abundant GHG. The definition of GWP for a particular GHG is the ratio of heat trapped by one unit mass of the GHG to the ratio of heat trapped by one unit mass of CO_2 over a specified time period. GHG emissions are typically measured in terms of pounds or tons of "CO_2 equivalents" (CO_2e).

Methane is produced when organic matter decomposes in environments lacking sufficient oxygen. Natural sources of CH_4 production include wetlands, termites, and oceans. Human activity accounts for an estimated 50-65% of combined methane emissions of the approximately 500 million metric tons of CH_4 emitted annually (U.S. EPA, n.d.). These anthropogenic sources include the mining and burning of fossil fuels; digestive processes in ruminant livestock such as cattle; rice cultivation; and the decomposition of waste in landfills. The major removal process for atmospheric CH_4, the chemical breakdown in the atmosphere, cannot keep pace with source emissions; therefore, CH_4 concentrations in the atmosphere are rising.

Worldwide emissions of GHGs in 2008 were 30.1 billion metric tons of CO_2e and have increased considerably since that time (United Nations, 2011). It is important to note that the global emissions inventory data are not all from the same year and may vary depending on the source of the data (U.S. EPA, 2019). Emissions from the top five emitting countries and the European Union accounted for approximately 70% of total global anthropogenic GHG emissions in 2014. Of these anthropogenic emissions, the United States was the number two producer of GHG emissions behind China. The primary GHG emitted by human activities was CO_2, representing approximately 78.8% of total global anthropogenic GHG emissions (U.S. EPA, 2022).

In 2020, the United States emitted approximately 5,981.4 million metric tons of CO_2e. Of the six major sectors nationwide (transportation, electric power industry, industry, agriculture, commercial, and residential), the transportation and electric power industry sectors combined account for approximately 52% of the US anthropogenic GHG emissions; the majority of the electrical power industry and all of the transportation emissions are generated from direct fossil fuel combustion. Between 1990 and 2020, total United States GHG emissions have decreased by approximately 7.3% (U.S. EPA, 2022).

Worldwide, energy-related CO_2 emissions are expected to increase at an average rate of 0.6% annually between 2018 and 2050, compared with the average growth rate of 1.8% per year from 1990 to 2018. Much of the increase in these emissions is expected to occur in the developing world where emerging economies, such as China and India, fuel economic development and advance overall standard of living with fossil fuel energy. Developing countries' emissions are expected to grow above the world average at a rate of

approximately 1% annually between 2018 and 2050 and surpass emissions of industrialized countries by 2025 (U.S. EIA, 2019).

CARB is responsible for developing and maintaining the California GHG emissions inventory. This inventory estimates the amount of GHGs emitted into and removed from the atmosphere by human activities within the state of California and supports the Assembly Bill (AB) 32 Climate Change Program. CARB's current GHG emission inventory covers the years 2000 through 2017 and is based on fuel use, equipment activity, industrial processes, and other relevant data (e.g., housing, landfill activity, and agricultural lands).

In 2019, emissions from statewide emitting activities were 418.2 million metric tons of CO_2 equivalent (MMT CO_2e), which is 7 MMT CO_2e lower than 2018 levels. 2019 emissions have decreased since peak levels in 2004 and are 13 MMT CO_2e below the 1990 emissions level and the State's 2020 GHG limit. Per capita GHG emissions in California have dropped from a 2001 peak of 14.1 tonnes per person to 10.5 tonnes per person in 2019, a 25% decrease (CARB 2021).

CARB estimates that transportation was the source of approximately 40% of California's GHG emissions in 2017, followed by electricity generation at 15%. Other sources of GHG emissions were industrial sources at 21%, residential plus commercial activities at 11%, and agriculture at 8% (CARB 2021).

CARB has projected the estimated statewide GHG emissions for the year 2020, which represent the emissions that would be expected to occur with reductions anticipated from Pavley I and the Renewables Electricity Standard (30 MMT CO_2e total), will be 509 MMT of CO_2e (CARB, 2014). GHG emissions from the transportation and electricity sectors as a whole are expected to increase at approximately 36% and 20% of total CO_2e emissions, respectively, as compared to 2009. The industrial sector consists of large stationary sources of GHG emissions and the percentage of the total 2020 emissions is projected to be 18% of total CO_2e emissions. The remaining sources of GHG emissions in 2020 are high global warming potential gases at 6%, residential and commercial activities at 10%, agriculture at 7%, and recycling and waste at 2%.

3.4.2 Effects of Global Climate Change

Changes in the global climate are assessed using historical records of temperature changes that have occurred in the past. Climate change scientists use this temperature data to extrapolate a level of statistical significance specifically focusing on temperature records from the last 150 years (the Industrial Age) that differ from past climate changes in rate and magnitude.

The Intergovernmental Panel on Climate Change (IPCC) constructed several emission trajectories of GHGs needed to stabilize global temperatures and climate change impacts. In its Fifth Assessment Report, the IPCC predicted that the global mean temperature change from 1990 to 2100 could range from 1.1 degree Celsius (°C) to 6.4 °C (8 to 10.4 °Fahrenheit) (IPCC, 2013). Global average temperatures and sea levels are expected to rise under all scenarios (IPCC, 2014). The IPCC concluded that global climate change was largely the result of human activity, mainly the burning of fossil fuels. However, the scientific literature is not consistent regarding many of the aspects of climate change, the actual temperature changes during the 20th century, and contributions from human versus non-human activities.

Effects from global climate change may arise from temperature increases, climate sensitive diseases, extreme weather events, and degradation of air quality. There may be direct temperature effects through increases in average temperature leading to more extreme heat waves and less extreme cold spells. Those living in warmer climates are likely to experience more stress and heat-related problems. Heat-related problems include heat rash and heat stroke, drought, etc. In addition, climate-sensitive diseases may increase, such as those spread by mosquitoes and other disease-carrying insects. Such diseases include malaria, dengue fever, yellow fever,

and encephalitis. Extreme events such as flooding and hurricanes can displace people and agriculture. Global warming may also contribute to air quality problems from increased frequency of smog and particulate air pollution.

According to the 2006 California Climate Action Team (CAT) Report, several climate change effects can be expected in California over the course of the next century (CalEPA, 2006). These are based on trends established by the IPCC and are summarized below.

- A diminishing Sierra snowpack declining by 70% to 90%, threatening the state's water supply.
- A rise in sea levels, resulting in the displacement of coastal businesses and residences. During the past century, sea levels along California's coast have risen about seven inches. If emissions continue unabated and temperatures rise into the higher anticipated warming range, sea level is expected to rise an additional 22 to 35 inches by the end of the century. Sea level rises of this magnitude would inundate coastal areas with salt water, accelerate coastal erosion, threaten vital levees and inland water systems, and disrupt wetlands and natural habitats. (Note: This condition would not affect the Proposed Project area, as it is a significant distance away from coastal areas.)
- An increase in temperature and extreme weather events. Climate change is expected to lead to increases in the frequency, intensity, and duration of extreme heat events and heat waves in California. More heat waves can exacerbate chronic disease or heat-related illness.
- Increased risk of large wildfires if rain increases as temperatures rise. Wildfires in the grasslands and chaparral ecosystems of southern California are estimated to increase by approximately 30% toward the end of the 21st century because more winter rain will stimulate the growth of more plant fuel available to burn in the fall. In contrast, a hotter, drier climate could promote up to 90% more northern California fires by the end of the century by drying out and increasing the flammability of forest vegetation.
- Increasing temperatures from 8 to 10.4 °F under the higher emission scenarios, leading to a 25% to 35% increase in the number of days that ozone pollution levels are exceeded in most urban areas (see below).
- Increased vulnerability of forests due to forest fires, pest infestation, and increased temperatures.
- Reductions in the quality and quantity of certain agricultural products. The crops and products likely to be adversely affected include wine grapes, fruit, nuts, and milk.
- Exacerbation of air quality problems. If temperatures rise to the medium warming range, there could be 75 to 85% more days with weather conducive to ozone formation in Los Angeles and the San Joaquin Valley, relative to today's conditions. This is more than twice the increase expected if rising temperatures remain in the lower warming range. This increase in air quality problems could result in an increase in asthma and other health-related problems.
- A decrease in the health and productivity of California's forests. Climate change can cause an increase in wildfires, an enhanced insect population, and establishment of non-native species.
- Increased electricity demand, particularly in the hot summer months.
- Increased ground-level ozone formation due to higher reaction rates of ozone precursors.

3.4.3 Global Climate Change Regulatory Issues

In 1988, the United Nations established the Intergovernmental Panel on Climate Change to evaluate the impacts of global warming and to develop strategies that nations could implement to curtail global climate change. In 1992, the United Nations Framework Convention on Climate Change established an agreement with the goal of controlling GHG emissions, including methane. As a result, the Climate Change Action Plan was developed to address the reduction of GHGs in the United States. The plan consists of more than 50 voluntary programs. Additionally, the Montreal Protocol was originally signed in 1987 and substantially amended in 1990 and 1992. The Montreal Protocol stipulates that the production and consumption of

compounds that deplete O_3 in the stratosphere (chlorofluorocarbons [CFCs], halons, carbon tetrachloride, and methyl chloroform) were phased out by 2000 (methyl chloroform was phased out by 2005).

On September 27, 2006, Assembly Bill 32 (AB32), the California Global Warming Solutions Act of 2006 (the Act) was enacted by the State of California. The legislature stated, "Global warming poses a serious threat to the economic well-being, public health, natural resources, and the environment of California." The Act caps California's GHG emissions at 1990 levels by 2020. The Act defines GHG emissions as all of the following gases: carbon dioxide (CO_2), methane, nitrous oxide, hydrofluorocarbons, perfluorocarbons, and sulfur hexafluoride. This agreement represents the first enforceable statewide program in the U.S. to cap all GHG emissions from major industries that includes penalties for non-compliance. While acknowledging that national and international actions will be necessary to fully address the issue of global warming, AB32 lays out a program to inventory and reduce GHG emissions in California and from power generation facilities located outside the state that serve California residents and businesses.

AB32 charges CARB with responsibility to monitor and regulate sources of GHG emissions in order to reduce those emissions. CARB has adopted a list of discrete early action measures that can be implemented to reduce GHG emissions. CARB has defined the 1990 baseline emissions for California and has adopted that baseline as the 2020 statewide emissions cap. CARB is conducting rulemaking for reducing GHG emissions to achieve the emissions cap by 2020. In designing emission reduction measures, CARB must aim to minimize costs, maximize benefits, improve and modernize California's energy infrastructure, maintain electric system reliability, maximize additional environmental and economic co-benefits for California, and complement the state's efforts to improve air quality.

Subsequent legislation by the California legislature has included Senate Bill (SB) 32, which expanded upon AB32 to reduce GHG emissions to 40% below the 1990 levels by 2030; AB197 which increased the legislative oversight of the CARB by adding two legislatively appointed non-voting members to the CARB Board and provided additional protection to disadvantaged communities; SB350, which increased California's renewable energy electricity procurement goal and SB100, which established a landmark policy requiring renewable energy and zero-carbon resources to supply 100 percent of electrical retail sales to end use customers and 100 percent of electricity procured to serve state agencies by 2045.

Global warming and climate change have received substantial public attention for more than 20 years. For example, the United States Global Change Research Program was established by the Global Change Research Act of 1990 to enhance the understanding of natural and human-induced changes in the Earth's global environmental system, to monitor, understand, and predict global change, and to provide a sound scientific basis for national and international decision-making. Even so, the analytical tools have not been developed to determine the effect on worldwide global warming from a particular increase in GHG emissions, or the resulting effects on climate change in a particular locale. The scientific tools needed to evaluate the impacts that a specific project may have on the environment are even farther in the future.

The California Supreme Court's CEQA decision on the Newhall Ranch development case, Center for Biological v. California Department of Fish and Wildlife (November 30, 2015, Case No. 217763), determined that the project's Environmental Impact Report (EIR) did not substantiate the conclusion that the GHG cumulative impacts would be less than significant. The EIR determined that the Newhall Ranch development project would reduce GHG emissions by 31 percent from business as usual (BAU). This reduction was compared to the California's target of reducing GHG emissions statewide by 29 percent from business as usual. The Court determined that "the EIR's deficiency stems from taking a quantitative comparison method developed by the Scoping Plan as a measure of the greenhouse gas reduction effort required by the state as a whole, and attempting to use that method, without adjustments, for a purpose very different from its original design." In the Court's final ruling it offered suggestions that were deemed appropriate use of the BAU methodology:

1. Lead agencies can use the comparison to BAU methodology if they determine what reduction a particular project must achieve in order to comply with statewide goals,
2. Project design features that comply with regulations to reduce emissions may demonstrate that those components of emissions are less that significant, and
3. Lead agencies could also demonstrate compliance with locally adopted climate plans or could apply specific numerical thresholds developed by some local agencies.

City of Lemoore, the Lead CEQA agency for this Project, has not developed specific thresholds for GHGs. As discussed in Section 4.1, the SJVAPCD, a CEQA Trustee Agency for this Project, has developed thresholds to determine significance of a proposed project – either implement Best Performance Standards or achieve a 29% reduction from BAU (a specific numerical threshold). However, the SJVAPCD has established their BAU and baseline emissions based on the years 2002-2004 and 2020, respectively. The 2020 projected baseline has passed, and at this time, no new guidance has been approved for determining BAU and projected baseline for the next target year. Therefore, the 29% reduction from BAU cannot be applied to the subject Project in order to determine significance. Additionally, a Best Performance Standards threshold has not been established. For this Project, compliance with locally adopted climate plans will be used to determine level of significance for GHG. Therefore, the GHG analysis for this Project follows the suggestions from the Court's ruling on the Newhall Ranch development project in order to determine significance using the project design features.

4. IMPACT ASSESSMENT

4.1 Significance Criteria

To determine whether a proposed Project could create a potential CEQA impact, local, State, and Federal agencies have developed various means by which a project's impacts may be measured and evaluated. Such means can generally be categorized as follows:

- Thresholds of significance adopted by air quality agencies to guide lead agencies in their evaluation of air quality impacts under the CEQA.
- Regulations established by air districts, CARB and EPA for the evaluation of stationary sources when applying for Authorities to Construct, Permits to Operate and other permit program requirements (e.g., New Source Review).
- Thresholds utilized to determine if a project would cause or contribute significantly to violations of the ambient air quality standards or other concentration-based limits.
- Regulations applied in areas where severe air quality problems exist.

Summary tables of these emission-based and concentration-based thresholds of significance for each pollutant are provided below along with a discussion of their applicability.

4.1.1 Thresholds Adopted for the Evaluation of Air Quality Impacts under CEQA

In order to maintain consistency with CEQA, the SJVAPCD (2015) adopted guidelines to assist applicants in complying with the various requirements. According to the SJVAPCD's GAMAQI, a project would have potentially significant air quality impacts when the project:

- Creates a conflict with or obstructs implementation of the applicable air quality plan;
- Causes a violation of any air quality standard or generates substantial contribution towards exceeding an existing or projected air quality standard;
- Results in a cumulatively considerable net increase of any criteria pollutant for which the project region is designated non-attainment under a NAAQS and CAAQS (including emissions which exceed quantitative thresholds for O_3 precursors);
- Exposes sensitive receptors to substantial pollutant concentrations; or
- Creates objectionable odors that affect a substantial number of people.

The SJVAPCD GAMAQI thresholds are designed to implement the general criteria for air quality emissions as required in the CEQA Guidelines, Appendix G, Paragraph III (Title 14 of the California Code of Regulations §15064.7) and CEQA (California Public Resources Code Sections 21000 et. al). SJVAPCD's specific CEQA air quality thresholds are presented in **Table 4-1**.

Table 4-1. SJVAPCD CEQA Thresholds of Significance

Criteria Pollutant	Significance Level	
	Construction	Operational
CO	100 tons/yr	100 tons/yr
NOx	10 tons/yr	10 tons/yr
ROG	10 tons/yr	10 tons/yr
SOx	27 tons/yr	27 tons/yr
PM_{10}	15 tons/yr	15 tons/yr
$PM_{2.5}$	15 tons/yr	15 tons/yr
Source: SJVAPCD 2015		

4.1.2 Thresholds for Ambient Air Quality Impacts

CEQA Guidelines – Appendix G (Environmental Checklist) states that a project that would "violate any air quality standard or contribute substantially to an existing or projected air quality violation" would be considered to create significant impacts on air quality. Therefore, an AQIA should determine whether the emissions from a project would cause or contribute significantly to violations of the NAAQS or CAAQS (presented above in **Table 3-1**) when added to existing ambient concentrations.

The EPA has established the Federal Prevention of Significant Deterioration (PSD) program to determine what comprises "significant impact levels" (SIL) to NAAQS attainment areas. A project's impacts are considered less than significant if emissions are below PSD SIL for a particular pollutant. When a SIL is exceeded, an additional "increment analysis" is required. As the Project would not include modification to the stationary source under NSR, it would not be subject to either PSD or NSR review. The PSD SIL thresholds are used with ambient air quality modeling for a CEQA project to address whether the Project would "violate any air quality standard or contribute substantially to an existing or projected air quality violation." Ambient air quality emissions estimates below the PSD SIL thresholds would result in less than significant ambient air quality impacts for both a project and cumulative CEQA impact analysis. The SJVAB is classified as non-attainment for the O_3 NAAQS and, as such, is subject to "non-attainment new source review" (NSR). PSD SILs and increments are more stringent than the CAAQS or NAAQS and represent the most stringent thresholds of significance.

4.1.3 Thresholds for Hazardous Air Pollutants

The SJVAPCD's GAMAQI states, "From a health risk perspective there are basically two types of land use projects that have the potential to cause long-term public health risk impacts:

- Type A Projects: Land use projects that will place new toxic sources in the vicinity of existing receptors.
- Type B Projects: Land use projects that will place new receptors in the vicinity of existing toxics sources" (SJVAPCD 2015).

Table 4-2 Table 4-2 presents the thresholds of significance used with toxic air contaminants when evaluating hazardous air pollutants (HAPs).

Table 4-2. Measures of Significance - Toxic Air Contaminants

Agency	Level	Description
Significance Thresholds Adopted for the Evaluation of Impacts Under CEQA		
SJVAPCD	Carcinogens	Maximally Exposed Individual risk **equals or exceeds** 20 in one million.
	Non-Carcinogens	**Acute**: Hazard Index **equals or exceeds** 1 for the Maximally Exposed Individual.
		Chronic: Hazard Index **equals or exceeds** 1 for the Maximally Exposed Individual.
Source: SJVAPCD 2015		

4.1.4 Global Climate Change Thresholds of Significance

On December 17, 2009, SJVAPCD adopted Guidance for Valley Land-use Agencies in Addressing GHG Emission Impacts for New Projects under CEQA (SJVAPCD 2009); which outlined the SJVAPCD's methodology for assessing a project's significance for GHGs under CEQA. The following criteria was outlined in the document to determine whether a project could have a significant impact:

- Projects determined to be exempt from the requirements of CEQA would be determined to have a less than significant individual and cumulative impact for GHG emissions and would not require further environmental review, including analysis of project specific GHG emissions. Projects exempt under CEQA would be evaluated consistent with established rules and regulations governing project approval and would not be required to implement BPS.
- Projects complying with an approved GHG emission reduction plan or GHG mitigation program which avoids or substantially reduces GHG emissions within the geographic area in which the project is located would be determined to have a less than significant individual and cumulative impact for GHG emissions. Such plans or programs must be specified in law or approved by the lead agency with jurisdiction over the affected resource and supported by a CEQA compliant environmental review document adopted by the lead agency. Projects complying with an approved GHG emission reduction plan or GHG mitigation program would not be required to implement BPS.
- Projects implementing Best Performance Standards would not require quantification of project specific GHG emissions. Consistent with CEQA Guidelines, such projects would be determined to have a less than significant individual and cumulative impact for GHG emissions.
- Projects not implementing Best Performance Standards would require quantification of project specific GHG emissions and demonstration that project specific GHG emissions would be reduced or mitigated by at least 29%, compared to Business-as-Usual (BAU), including GHG emission reductions achieved since the 2002-2004 baseline period. Projects achieving at least a 29% GHG emission reduction compared to BAU would be determined to have a less than significant individual and cumulative impact for GHG.
- Notwithstanding any of the above provisions, projects requiring preparation of an Environmental Impact Report for any other reason would require quantification of project specific GHG emissions. Projects implementing BPS or achieving at least a 29% GHG emission reduction compared to BAU would be determined to have a less than significant individual and cumulative impact for GHG.

City of Lemoore, the Lead CEQA agency for this Project, has not developed specific thresholds for GHGs. As discussed in Section 4.1, the SJVAPCD, a CEQA Trustee Agency for this Project, has developed thresholds to determine significance of a proposed project – either implement Best Performance Standards or achieve a 29% reduction from BAU (a specific numerical threshold). However, the SJVAPCD has established their BAU and baseline emissions based on the years 2002-2004 and 2020, respectively. The 2020 projected baseline has passed, and at this time, no new guidance has been approved for determining BAU and projected baseline for the next target year. Therefore, the 29% reduction from BAU cannot be applied to the subject Project in order to determine significance. Additionally, a Best Performance Standards threshold has not been established. For this Project, compliance with locally adopted climate plans will be used to determine level of significance for GHG. Therefore, the GHG analysis for this Project follows the suggestions from the Court's ruling on the Newhall Ranch development project in order to determine significance using the project design features.

4.2 Project Related Emissions

This document was prepared pursuant to the SJVAPCD's GAMAQI. The GAMAQI identifies separate thresholds for a project's short-term (construction) and long-term (operational) emissions.

Project emissions were estimated for the following project development stages:

- Short-term (Construction and Demolition) – Construction emissions of the proposed Project were estimated in CalEEMod using the proposed construction schedule and defaults for construction equipment for the development of 5,982 square feet of Convenience Market with Gas Pumps, 2,870 square feet of Fast-Food Restaurant with Drive Thru, and 30,000 square feet of unrefrigerated

warehousing. Additionally, 70,000 square feet of General Light Industry was modeled as heavy industry due to the 50,000 square foot limit for light industry within CalEEMod.

- Long-term (Operations) – Long term emissions were also estimated in CalEEMod using model defaults for operations of the aforementioned land use types. Vehicle trip rates were revised per the Project Trip Generation data provided (Ruettgers and Schuler 2023).

4.2.1 Short-Term Emissions

The Project applicant did not provide a list of specific construction equipment; the construction emissions were, therefore, based on the default CalEEMod equipment list for the proposed Project's land use type and development intensity and applying model defaults as well as a conservative analysis approach. Construction emissions were estimated under the assumption that both phases will begin construction as early as July 2023. The dates entered into the CalEEMod program represent the earliest construction timeline, which would estimate the worst-case emissions as construction equipment technology and emissions improve over time; therefore, all estimated emission totals are conservative and reflect a reasonable and legally sufficient estimate of potential impacts. All construction equipment activity levels assumed were based on the applicant-specified values for type and number of equipment and CalEEMod adjusted hours per day and horsepower.

SJVAPCD's required measures for all projects were also applied:

- Water exposed areas 3 times per day; and
- Reduce vehicle speed to less than 15 miles per hour.

Table 4-3 presents the Project's short-term emissions based on the anticipated construction period.

Table 4-3. Short-Term Project Emissions

Emissions Source	Pollutant (tons/year)					
	ROG	NO_X	CO	SO_2	PM_{10}	$PM_{2.5}$
Unmitigated						
2023 Construction Emissions	0.14	0.83	0.94	0.00	0.08	0.06
2024 Construction Emissions	0.73	1.99	2.28	0.00	0.32	0.17
2025 Construction Emissions	0.20	0.00	0.00	0.00	0.00	0.00
Mitigated						
2023 Construction Emissions	0.14	0.83	0.94	0.00	0.06	0.05
2024 Construction Emissions	0.73	1.99	2.28	0.00	0.21	0.12
2025 Construction Emissions	0.20	0.00	0.00	0.00	0.00	0.00
Significance Threshold	**10**	**10**	**100**	**27**	**15**	**15**
Is Threshold Exceeded After Mitigation?	No	No	No	No	No	No

Source: Trinity Consultants 2023

As calculated with CalEEMod, the estimated short-term construction-related emissions for criteria pollutants would not exceed SJVAPCD significance threshold levels during any given year and would therefore be *less than significant*.

4.2.2 Long-Term Operations Emissions

Long-term emissions are caused by operational mobile, area, and energy sources. Long-term emissions would consist of the following components:

4.2.2.1 Fugitive Dust Emissions

Operation of the Project site at full build-out is not expected to present a substantial source of fugitive dust (PM_{10}) emissions. The main source of PM_{10} emissions would be from vehicular traffic associated with the Project site.

PM_{10}, on its own as well as in combination with other pollutants, creates a health hazard. The SJVAPCD's Regulation VIII establishes required controls to reduce and minimizing fugitive dust emissions. The following SJVAPCD Rules and Regulations apply to the proposed Project (and all projects):

- Rule 4102 – Nuisance – prohibits a facility from posing as a nuisance to surrounding receptors and can impose penalties for nuisance issues such as dust, smoke, excess emissions, etc. Compliance with this rule ensures that the area around the Project site will not be adversely impacted by such issues.
- Regulation VIII – Fugitive PM_{10} Prohibitions – a series of regulations to reduce and/or eliminate generation of particulate matter (PM) that can adversely impact visibility as well as the health and safety of people on-site or in the vicinity of the Project.
  - Rule 8011 - General Requirements – this rule is to reduce ambient concentrations of fine particulate matter (PM10) by requiring actions to prevent, reduce or mitigate anthropogenic (human-caused) fugitive dust emissions.
  - Rule 8021 - Construction, Demolition, Excavation, Extraction, and Other Earthmoving Activities – restricts generation of airborne dust and visibility impacts from these activities. Places limits on opacity and equipment operation under certain adverse weather conditions.
  - Rule 8041 - Carryout and Trackout – requires that equipment and vehicles leaving the construction site control the amount of dirt, soil or mud that is tracked offsite and onto public roadways. This helps eliminate or minimize dust generation and opacity degradation.
  - Rule 8051 - Open Areas – limits fugitive dust from open areas, i.e., areas on a construction site that are not actively being constructed upon but may generate wind-blown dust.

The Project would comply with applicable SJVAPCD Rules and Regulations, the local zoning codes, and additional emissions reduction measures recommended later in this analysis, in Section 7, Mitigation and Other Recommended Measures.

4.2.2.2 Exhaust Emissions

Project-related transportation activities from employees and consumers would generate mobile source ROG, NOx, SOx, CO, PM_{10}, and $PM_{2.5}$ exhaust emissions. Exhaust emissions would vary substantially from day to day but would average out over the course of an operational year. The variables factored into estimating total Project emissions include: level of activity, site characteristics, weather conditions, and number of visitors. As the Project is not expected to generate an adverse change in current activity levels, substantial emissions are not anticipated. The trip rates used in CalEEMod were adjusted to reflect Project-specific estimates (Ruettgers and Schuler, 2023).

4.2.2.3 Projected Emissions

The proposed Project is expected to have long-term air quality impacts as shown in **Table 4-4**. The output from the CalEEMod runs are available in Appendix B. Mitigation measures implemented within CalEEMod include:

- Clean Landscape Equipment (3%)

Table 4-4. Post-Project (Operational) Emissions

Emissions Source	Pollutant (tons/year)					
	ROG	NOX	CO	SOx	PM_{10}	$PM_{2.5}$
Unmitigated Operational Emissions						
Area Emissions	0.50	0.00	0.00	0.00	0.00	0.00
Energy Emissions	0.01	0.13	0.11	0.00	0.01	0.01
Mobile Emissions	3.04	3.69	17.79	0.03	2.46	0.68
Total	*3.56*	*3.82*	*17.90*	*0.03*	*2.47*	*0.69*
Mitigated Operational Emissions						
Mobile Emissions	0.50	0.00	0.00	0.00	0.00	0.00
Aera Emissions	0.01	0.13	0.11	0.00	0.01	0.01
Energy Emissions	3.04	3.69	17.79	0.03	2.46	0.68
Total	*3.56*	*3.82*	*17.90*	*0.03*	*2.47*	*0.69*
SJVAPCD Threshold	**10**	**10**	**100**	**27**	**15**	**15**
Is Threshold Exceeded After Mitigation?	No	No	No	No	No	No

Source: Trinity Consultants 2023

As shown in **Table 4-4**Table 4-4, operation-related emissions, as calculated by CalEEMod (see Appendix B), would be less than the SJVAPCD significant threshold levels; therefore, the proposed Project would have a *less than significant impact* during Project operations.

4.3 Potential Impact on Sensitive Receptors

Sensitive receptors are defined as locations where young children, chronically ill individuals, the elderly, or people who are more sensitive than the general population reside, such as schools, hospitals, nursing homes, and daycare centers. There are no known non-residential sensitive receptors within 2 miles of the Project site.

Table 4-5. Sensitive Receptors Located < 2 miles from Project

Receptor	Type of facility	Distance from Project in Miles	Direction from Project
P.W. Engvall Elementary School	Public K-6	0.51	N
First Friends Care & Learning	Day Care	0.65	NW
Little Bloom Day Care	Daycare	0.79	NE
Carrie's Childcare Connection	Daycare	0.88	NE
Lemoore Elementary School	K-6 Public	1.10	NE
Tic Learning Center	Preschool	1.32	NE
Lemoore Preschool	Preschool	1.33	NE
Lemoore High School	9-12 Public	1.35	NE
Always Best Senior Care Services	Assisted Living Facility	1.38	NE
Jamison High School	9-12 Public	1.45	NE
Lemoore Assisted Living Community	Assisted Living Facility	1.45	NE
Lemoore Middle College High School	9-12 Public	1.49	E
Freedom Elementary School	K-6 Public	1.56	N
Lemoore University Elementary Charter School	5-8 Public	1.76	E
Liberty Middle School	7-8 Public	1.80	N
Adventist Health Medical Office	K-6 Public	1.95	NE
Cinnamon Elementary School	K-6 Public	2.00	NE

4.4 Potential Impacts to Visibility to Nearby Areas

Visibility impact analyses are intended for stationary sources of emissions which are subject to the Prevention of Significant Deterioration (PSD) requirements in 40 CFR Part 60; they are not usually conducted for area sources. Because the Project's PM_{10} emissions increase is predicted to be less than the PSD threshold levels, an impact at any Class 1 area or military/airspace operation within 100 kilometers of the Project (including San Rafael Wilderness, Domeland Wilderness, Edwards Air Force Base, China Lake Naval Weapons Station, and the entire R-2508 Airspace Complex) is extremely unlikely. Therefore, based on the Project's predicted less-than significant PM_{10} emissions, the Project would be expected to have a less than significant impact to visibility at any Class 1 area or military/airspace operation.

4.5 Potential Impacts from Carbon Monoxide

Ambient CO concentrations normally correspond closely to the spatial and temporal distributions of vehicular traffic. Relatively high concentrations of CO would be expected along heavily traveled roads and near busy intersections. CO concentrations are also influenced by wind speed and atmospheric mixing. CO concentrations may be more uniformly distributed when inversion conditions are prevalent in the valley. Under certain meteorological conditions, CO concentrations along a congested roadway or intersection may reach unhealthful levels for sensitive receptors, e.g. children, the elderly, hospital patients, etc. This localized impact can result in elevated levels of CO, or "hotspots" even though concentrations at the closest air quality monitoring station may be below NAAQS and CAAQS.

The localized Project impacts depend on whether ambient CO levels in the Project vicinity would be above or below NAAQS. If ambient levels are below the standards, a project is considered to have significant impacts if a project's emissions would exceed of one or more of these standards. If ambient levels already exceed a state standard, a project's emissions are considered significant if they would increase one-hour CO concentrations by 10 ppm or more or eight-hour CO concentrations by 0.45 ppm or more. There are two criteria established by the SJVAPCD's GAMAQI by which CO "Hot Spot" modeling is required:

1. A traffic study for the project indicates that the Level of Service (LOS) on one or more streets or at one or more intersections in the project vicinity would be reduced to LOS E or F; or
2. A traffic study indicates that the project would substantially worsen an already existing LOS F on one or more streets or at one or more intersections in the project vicinity.

A traffic study was completed for this Project (Ruettgers & Schuler, 2022). According to the traffic study, impacted intersections and roadway segments are not anticipated to operate at a LOS of C or better, even with mitigation. However, CO "Hotspot" Modeling was not conducted for this Project because CO emissions for this Project are below significance thresholds. Therefore, no concentrated excessive CO emissions are expected to be caused once the proposed Project is completed.

4.6 Predicted Health Risk Impacts

GAMAQI recommends that Lead Agencies consider situations wherein a new or modified source of HAPs is proposed for a location near an existing residential area or other sensitive receptor when evaluating potential impacts related to HAPs.

The proposed Project would result in emissions of Hazardous Air Pollutants (HAPs) and would be located near existing residents; therefore, an assessment of the potential risk to the population attributable to emissions of hazardous air pollutants from the proposed Project is required.

To predict the potential health risk to the population attributable to emissions of HAPs from the proposed Project, ambient air concentrations were predicted with dispersion modeling to arrive at a conservative estimate of increased individual carcinogenic risk that might occur as a result of continuous exposure over a 70-year lifetime. Similarly, predicted concentrations were used to calculate non-cancer chronic and acute hazard indices (HIs), which are the ratio of expected exposure to acceptable exposure. The basis for evaluating potential health risk is the identification of sources with increased HAPs. HAP emissions from anticipated heavy heavy duty (HHD) trucks, commercial cooking, and a gasoline dispensing facility were evaluated.

Health risk is determined using the Hotspots Analysis and Reporting Program (HARP2) software distributed by the CARB; HARP2 requires peak 1-hour emission rates and annual-averaged emission rates for all pollutants for each modeling source (CARB 2015). Assumptions used to calculate the emission rates for the proposed Project are outlined below.

The most recent version of EPA's AMS/EPA Regulatory Model was used to predict the dispersion of emissions from the proposed Project (BREEZE AERMOD 2022). The analysis employed all of the regulatory default AERMOD model keyword parameters, including elevated terrain options.

For construction health impacts, diesel combustion emissions from diesel on-site construction equipment and HHD trucks from hauling and vendor trips were modeled as an area source for on-site construction activity on the property. Diesel particulate matter was calculated using CalEEMod for on-site construction equipment. A unit emission rate of 1 grams/second (g/sec) was input to AERMOD for the area source.

For operational health impacts, diesel combustion emissions from diesel HHD trucks making 8,088 trips per week were modeled as volume line sources for on-site travel following the most impactful route of travel. HHD truck idling emissions were modeled as a point source with fifteen minutes of idling per trip. Diesel particulate matter was calculated using EMFAC approved emission factors for HHD trucks traveling at 15 miles per hour (representative of on-site speed). EMFAC idling emissions were used for Kings County, year 2024, annual. EMFAC emission factors are provided by the California Air Resources Board (CARB 2023). Additionally, toxics were modeled for the proposed drive thru and the gasoline dispensing facility (GDF) based on SJVAPCD emission factors for commercial cooking and GDF modeling guidance. A unit emission rate of 1 grams/second (g/sec) was input to AERMOD for each source.

Discrete receptors were placed on residences and businesses within close proximity of the Project site. A total of 2,066 discrete off-site receptors analyzed. Elevated terrain options were employed even though there is not complex terrain in the Project area.

SJVAPCD-provided, AERMET UStar processed meteorological datasets for the Hanford monitoring station, calendar years 2013 through 2017 was input to AERMOD (SJVAPCD 2018). This was the most recent available dataset available at the time the modeling was conducted. Rural dispersion parameters were used because the operation and the majority of the land surrounding the facility is considered "rural" under the Auer land use classification method (Auer 1978).

Plot files generated by AERMOD were uploaded to the Air Dispersion Modeling and Risk Assessment Tool (ADMRT) program in the Hotspots Analysis and Reporting Program Version 2 (HARP 2) (CARB 2015). ADMRT post-processing was used to assess the potential for excess cancer risk and chronic non-cancer effects using the most recent health effects data from the California EPA Office of Environmental Health Hazard Assessment (OEHHA). Risk reports were generated using the derived OEHHA analysis method for carcinogenic risk and non-carcinogenic chronic and acute risk. Site parameters are included in the HARP2 output files. Total cancer risk was predicted for the inhalation pathway at each receptor. A hazard index was computed for chronic non-cancer health effects for each applicable endpoint and each receptor.

SJVAPCD has set the level of significance for carcinogenic risk at twenty in one million, which is understood as the possibility of causing twenty additional cancer cases in a population of one million people. The level of significance for chronic and acute non-cancer risk is a hazard index of 1.0. All receptors were modeled as residential receptors with a 1.5-year exposure for construction and 70-year exposure for operation. This is conservative since all on-site receptors and business receptors would be exposed less than 70 years.

The carcinogenic risk and the health hazard index (HI) for chronic and acute non-cancer risk at the point of maximum impact (PMI) do not exceed the significance levels of twenty in one million (20×10^{-6}) and 1.0, respectively for the proposed Project. The PMIs are identified by receptor location and risk and are provided in **Table 4-6**. The electronic AERMOD and HARP2 output files are provided in **Attachment E**.

Table 4-6. Potential Maximum Impacts Predicted by HARP2

	Value	UTM East	UTM North
Excess Cancer Risk - Total	**1.95E-05**	248804.4	4019005.4
Construction	1.28E-05		
Operations	6.73E-06		
Chronic Hazard Index - Max	**1.69E-02**		
Construction	1.25E-02		
Operations	1.69E-02		
Acute Hazard Index - Max	**4.52E-02**		
Operations	4.52E-02		

As shown above in **Table 4-6**, the maximum predicted cancer risk for the proposed Project is 1.95E-05. The maximum chronic non-cancer hazard index for the proposed Project is 1.69E-02. The maximum acute non-cancer hazard index for the proposed Project is 4.52E-02. Since the PMI remained below the significance threshold for cancer, chronic and acute risk, this Project would not have an adverse effect to any of the surrounding communities.

The potential health risk attributable to the proposed Project is determined to be *less than significant* based on the following conclusions:

1. Potential carcinogenic risk from the proposed Project is below the significance level of twenty in a million at each of the modeled receptors; and
2. The hazard index for the potential chronic non-cancer risk from the proposed Project is below the significance level of 1.0 at each of the modeled receptors; and
3. The hazard index for the potential acute non-cancer risk from the proposed Project is below the significance level of 1.0 at each of the modeled receptors.

Therefore, potential risk to the population attributable to emissions of HAPs from the proposed Project would be less than significant.

4.7 Potential Impacts from Valley Fever

The proposed project has the potential to generate fugitive dust and suspend Valley Fever spores with the dust that could then reach nearby sensitive receptors. It is possible that onsite workers could be exposed to Valley Fever spores as fugitive dust is generated during construction. In order to mitigate potential risk, the proposed Project would provide training and personal protective respiratory equipment to construction workers and provide information to all construction personnel and visitors about Valley Fever. Therefore, the exposure to Valley Fever would be minimized. With the implementation of the mitigation measures, dust from

the construction of the proposed project would not add significantly to the existing exposure level of people to this fungus, including construction workers, and impacts would be reduced to less-than-significant levels.

4.8 Potential Impacts from Asbestos

Naturally occurring asbestos can be released from serpentinite and ultramafic rocks when the rock is broken or crushed. At the point of release, the asbestos fibers may become airborne, causing air quality and human health hazards. These rocks have been commonly used for unpaved gravel roads, landscaping, fill projects, and other improvement projects in some localities. Asbestos may be released to the atmosphere due to vehicular traffic on unpaved roads, during grading of development projects, and at mining operations.

Serpentinite and/or ultramafic rock are known to be present in 44 of California's 58 counties. These rocks are particularly abundant in the counties associated with the Sierra Nevada foothills, the Klamath Mountains, and Coast Ranges. However, according to information provided by the Department of Conservation Division of Mines and Geology, the project site is not located in an area where naturally occurring asbestos is likely to be present (CDCDMG, 2000). Therefore, impacts associated with exposure of construction workers and nearby sensitive receptors to asbestos would be less than significant.

4.9 Odor Impacts and Mitigation

The SJVAPCD's GAMAQI states "An analysis of potential odor impacts should be conducted for both of the following two situations:

1. Generators – projects that would potentially generate odorous emissions proposed to locate near existing sensitive receptors or other land uses where people may congregate, and
2. Receivers – residential or other sensitive receptor projects or other projects built for the intent of attracting people locating near existing odor sources." (SJVAPCD 2015).

The GAMAQI also states, "The District has identified some common types of facilities that have been known to produce odors in the San Joaquin Valley Air Basin. These are presented in Table 6 (Screening Levels for Potential Odor Sources), along with a reasonable distance from the source within which, the degree of odors could possibly be significant. [Table 6] can be used as a screening tool to qualitatively assess a project's potential to adversely affect area receptors." (SJVAPCD, 2015). Because the Project is a convenience store, gasoline dispensing facility, light industry and warehousing and the anticipated activities for the Project site are not listed in Table 6 of the GAMAQI as a source that would create objectionable odors, the Project is not expected to be a source of objectionable odors.

Based on the provisions of the SJVAPCD's GAMAQI, the proposed Project would not exceed any screening trigger levels to be considered a source of objectionable odors or odorous compounds (SJVAPCD, 2015). Furthermore, there does not appear to be any significant source of objectionable odors in close proximity that may adversely impact the Project site when it is in operation. Additionally, the Project emissions estimates indicate that it would not be expected to adversely impact surrounding receptors. As such, the proposed Project would not be a source of any odorous compounds nor would it likely be impacted by any odorous source.

4.10 Impacts to Ambient Air Quality

As stated in the GAMAQI (2015, p 96-97), SJVAPCD has developed screening levels for requiring an Ambient Air Quality Analysis (AAQA). The SJVAPCD recommends that an AAQA be performed for all criteria pollutants when emissions of any criteria pollutant resulting from project construction or operational activities exceed

the 100 pounds per day screening level, after compliance with Rule 9510 requirements and implementation of all enforceable mitigation measures.

Based on the emissions shown in **Table 4-3** and **Table 4-4**, average daily emissions for construction and operational activities associated with this Project would not exceed 100 pounds per day. Therefore, an AAQA is not required for this project.

4.11 Impacts to Greenhouse Gases and Climate Change

In the decade after South Coast AQMD adopted the Interim GHG Significance Threshold, several new laws and executive orders were adopted that require additional reductions in years after 2020. For instance, Senate Bill 32 (Lara, 2016) requires that GHG emissions be 40% less than 1990 levels by 2030. More drastic still, Senate Bill 100 (de Leon, 2018) which was signed by the Governor recently requires 100% zero-carbon electricity by 2045. On the day SB 100 was signed into law, the Governor also signed Executive Order B-55-18 which commits California to total, economy-wide carbon neutrality by 2045. Clearly, the 2008 Guidance may be somewhat inadequate in producing a meaningful comparison by today's standards which propose a grand vision that, if achieved, would fundamentally change how business is conducted and citizens live in the State. Thus, as discussed in the most recent updates to the Scoping Plan, objectives of the Scoping Plan affect entire sectors of the economy and it no longer makes sense to evaluate GHG emissions on a project-level.

For these reasons, Project GHG emissions levels presented in **Table 4-7** are primarily for disclosure purposes because impact analysis for the Project follows the approach certified by South Coast AQMD in the Final Negative Declaration for the Phillips 66 Los Angeles Refinery Carson Plant – Crude Oil Storage Capacity Project on December 12, 2014 (South Coast AQMD, 2014). The approach used by South Coast AQMD to assess GHG impacts from that project recognizes that consumers of electricity and transportation fuels are, in effect, regulated by requiring providers and importers of electricity and fuel to participate in the GHG Cap-and-Trade Program and other Programs (e.g., low carbon fuel standard, renewable portfolio standard, etc.). Each such sector-wide program exists within the framework of AB 32 and its descendant laws the purpose of which is to achieve GHG emissions reductions consistent with the AB 32 Scoping Plan.

In summary, the Project would generate GHGs from electricity use and combustion of gasoline/diesel fuels, each of which is regulated near the top of the supply-chain. As such, each citizen of California (including the operator of the Project) will have no choice but to purchase electricity and fuels produced in a way that is acceptable to the California market. Thus, Project GHG emissions will be consistent with the relevant plan (i.e., AB 32 Scoping Plan). The Project would meet its fair share of the cost to mitigate the cumulative impact of global climate change because SHP is purchasing energy from the California market. Thus, the Project would have a less than significant impact on applicable GHG reduction plans.

Nonetheless, GHG emissions impacts from implementing the Project were calculated at the Project-specific level for construction and operations as explained in the previous paragraphs. Impact analysis for the Project follows the approach certified by South Coast AQMD in the Final Negative Declaration for the Phillips 66 Los Angeles Refinery Carson Plant – Crude Oil Storage Capacity Project on December 12, 2014 (South Coast AQMD, 2014). In summary, this approach takes into account the cumulative nature of the energy industry and recognizes that consumers of electricity and diesel fuel are in effect regulated by higher level emissions restrictions on the producers of these energy sources. Therefore, the Project's contribution to cumulative global climate change impacts would *not be cumulatively considerable*.

Table 4-7. Estimated Annual GHG Emissions (MT/Year)

Source	CO_2	CH_4	N_2O	CO_2e
Mitigated Construction Emissions				
Total	528.97	0.12	0.01	533.80
Mitigated Operational Emissions				
Area Emissions	0.00	0.00	0.00	0.00
Energy Emissions	235.58	0.02	0.00	237.35
Mobile Emissions	2,620.50	0.26	0.22	2,693.67
Water Emissions	33.70	1.99	0.00	83.50
Waste Emissions	20.09	0.80	0.02	45.73
Total Project Operational Emissions	*2,909.87*	*3.07*	*0.25*	*3,060.25*
Annualized Construction Emissions[1]	17.63	0.00	0.00	17.79
Project Emissions	**2,909.87**	**3.07**	**0.25**	**3,060.25**
*Note: 0.000 could represent <0.000 Per South Coast AQMD's Methodology				

The Project will not result in the emissions of hydrofluorocarbons (HFCs), perfluorocarbons (PFCs), or sulfur hexafluoride (SF_6), the other gases identified as GHG in AB32. The proposed Project will be subject to any regulations developed under AB32 as determined by CARB.

4.11.1 Feasible and Reasonable Mitigation Relative to Global Warming

CEQA requires that all feasible and reasonable mitigation be applied to the project to reduce the impacts from construction and operations on air quality. The SJVAPCD's "Non-Residential On-Site Mitigation Checklist" was utilized in preparing the mitigation measures presented in Section 7. These measures include using controls that limit the exhaust from construction equipment and using alternatives to diesel when possible. Additional reductions would be achieved through the regulatory process of the air district and CARB as required changes to diesel engines are implemented which would affect the product delivery trucks and limits on idling.

Because climate change is a global issue, a development project like the proposed Project, in an individual basis does not have a reasonable potential to result in a measurable significant impact on global warming or climate change. However, the Project would contribute to cumulative GHG emissions that cumulatively result in environmental and health effects associated with climate change across California, the country, and the world. The Project's emissions would only be a very small fraction of the statewide GHG emissions. Regardless, given the position of the legislature in AB32 which states that global warming poses serious detrimental effects, and the requirements of CEQA for the lead agency to determine if a project would have a cumulatively considerable contribution, the effect of the Project's CO_2 contribution may be considered cumulatively considerable. This determination is "speculative," given the lack of clear scientific evidence or other criteria for determining the significance of the Project's contribution of GHG to the air quality in the SJVAB.

The strategies currently being implemented by CARB may help in reducing the Project's GHG emissions and are summarized in the table below.

Table 4-8. Select CARB GHG Emission Reduction Strategies

Strategy	Description of Strategy
Vehicle Climate Change Standards	AB 1493 (Pavley) required the state to develop and adopt regulations that achieve the maximum feasible and cost-effective reduction of climate change emissions emitted by passenger vehicles and light duty trucks. Regulations were adopted by CARB in Sept. 2004.
Diesel Anti-Idling	In July 2004, CARB adopted a measure to limit diesel-fueled retail motor vehicle idling to 5 minutes or less.
Other Light-Duty Vehicle Technology	New standards would be adopted to phase in beginning in the 2017 model year.
Alternative Fuels: Biodiesel Blends	CARB would develop regulations to require the use of 1% to 4% Biodiesel displacement of California diesel fuel.
Alternative Fuels: Ethanol	Increased use of ethanol fuel.
Heavy-Duty Vehicle Emission Reduction Measures	Increased efficiency in the design of heavy-duty vehicles and an educational program for the heavy-duty vehicle sector.

Not all of these measures are currently appropriate or applicable to the proposed Project. While future legislation could further reduce the Project's GHG footprint, the analysis of this is speculative and in accordance with CEQA Guidelines Section 15145, will not be further evaluated in this AQIA.

CEQA Guidelines Section 15130 notes that sometimes the only feasible mitigation for cumulative impacts may involve the adoption of ordinances or regulations rather than the imposition of conditions on a project-by-project basis. Global climate change is this type of issue. The causes and effects may not be just regional or statewide, they may also be worldwide. Given the uncertainties in identifying, let alone quantifying the impact of any single project on global warming and climate change, and the efforts made to reduce emissions of GHGs from the Project through design, in accordance with CEQA Section 15130, any further feasible emissions reductions would be accomplished through CARB regulations adopted pursuant to AB32.

5. CUMULATIVE IMPACTS

By its very nature, air pollution has a cumulative impact. The District's nonattainment status is a result of past and present development within the SJVAB. Furthermore, attainment of ambient air quality standards can be jeopardized by increasing emissions-generating activities in the region. No single project would be sufficient in size, by itself, to result in nonattainment of the regional air quality standards. Instead, a project's emissions may be individually limited, but cumulatively considerable when taken in combination with past, present, and future development within the San Joaquin Valley Air Basin. When assessing whether there is a new significant cumulative effect, the Lead Agency shall consider whether the incremental effects of the project are cumulatively considerable. "Cumulatively considerable" means that the incremental effects of an individual project are significant when viewed in connection with the effects of past projects, the effects of other current projects, and the effects of probable future projects [CCR §15064(h)(1)]. Per CEQA Guidelines §15064(h)(3) a Lead Agency may determine that a project's incremental contribution to a cumulative effect is not cumulatively considerable if the project will comply with the requirements in a previously approved plan or mitigation program, including, but not limited to an air quality attainment or maintenance plan that provides specific requirements that will avoid or substantially lessen the cumulative problem within the geographic area in which the project is located. (SJVAPCD 2015)

GAMAQI also states "If a project is significant based on the thresholds of significance for criteria pollutants, then it is also cumulatively significant. This does not imply that if the project is below all such significance thresholds, it cannot be cumulatively significant." (SJVAPCD 2015). Based on the analysis conducted for this Project, it is individually less than significant. This AQIA, however, also considered impacts of the proposed Project in conjunction with the impacts of other projects previously proposed in the area. The following cumulative impacts were considered:

- Cumulative O_3 Impacts (ROG and NOx) from numerous sources within the region including transport from outside the region. O_3 is formed through chemical reactions of ROG and NOx in the presence of sunlight.
- Cumulative CO Impacts produced primarily by vehicular emissions.
- Cumulative PM_{10} Impacts from within the region and locally from the various projects. Such projects may cumulatively produce a significant amount of PM10 if several projects conduct grading or earthmoving activities at the same time.
- Hazardous Air Pollutant (HAP) Impacts on sensitive receptors.

5.1 Cumulative Regional Air Quality Impacts

The most recent, certified SJVAB Emission Inventory data available from the SJVAPCD is based on data gathered for the 2020 annual inventory[1]. This data will be used to assist the SJVAPCD in demonstrating attainment of Federal 1-hour O_3 Standards (SJVAPCD 2007a). **Table 5-1** provides a comparative look at the impacts proposed by the proposed Project to the SJVAB Emissions Inventory.

[1] SJVAPCD Emissions for Aggregated Stationary, Area-Wide, Mobile, and Natural Sources

Table 5-1. Comparative Analysis Based on SJV Air Basin 2020 Inventory - Tons per Year

	ROG	NOx	CO	SOx	PM_{10}	$PM_{2.5}$
Kings County - 2020	7,884.0	4,745.0	11,935.5	73.0	730.0	657.0
SJVAB - 2020	108,113.0	74,204.5	162,425.0	2,847.0	96,652.0	21,535.0
Proposed Project	3.56	3.82	17.90	0.03	2.47	0.69
Proposed Project's % of Kings	0.045%	0.081%	0.150%	0.040%	0.338%	0.105%
Proposed Project's % of SJVAB	0.003%	0.005%	0.011%	0.001%	0.003%	0.003%
Note: This is the latest inventory available as of March 2023 Source: CARB 2023b						

As shown in **Table 5-1** the proposed Project does not pose a substantial increase to basin emissions, as such basin emissions would be essentially the same if the Project is approved.

Table 5-1, **5-2**, and **5-3** provide CARB Emissions Inventory projections for the year 2025 for both the SJVAB and the Kings County portion of the air basin. Looking at the SJVAB Emissions predicted by the CARB year 2025 emissions inventory, the Kings County portion of the air basin is a moderate source of the emissions. The proposed Project produces a small portion of the total emissions in both Kings County and the entire SJVAB.

Table 5-2. Emission Inventory SJVAB 2025 Projection - Tons per Year

	ROG	NOx	CO	SOx	PM10	PM2.5
Total Emissions	107,346.5	52,450.5	145,963.5	2,920.0	95,922.0	21,279.5
Percent Stationary Sources	32.78%	19.28%	6.93%	85.00%	5.97%	15.44%
Percent Area-Wide Sources	52.70%	5.15%	13.30%	3.75%	89.38%	71.87%
Percent Mobile Sources	14.52%	75.57%	79.77%	11.25%	4.68%	12.86%
Total Stationary Source Emissions	35,186.0	10,110.5	10,110.5	2,482.0	5,730.5	3,285.0
Total Area-Wide Source Emissions	56,575.0	2,701.0	19,418.0	109.5	85,738.5	15,293.5
Total Mobile Source Emissions	15,585.5	39,639.0	116,435.0	328.5	4,489.5	2,737.5
Source: CARB 2023b Note: Total may not add due to rounding						

Table 5-3. Emission Inventory SJVAB - Kings County Portion 2025 Projection - Tons per Year

	ROG	NOx	CO	SOx	PM10	PM2.5
Total Emissions	7,811.0	3,577.0	11,315.0	73.0	7,044.5	1,679.0
Percent Stationary Sources	17.29%	8.16%	3.23%	50.00%	4.15%	6.52%
Percent Area-Wide Sources	58.88%	2.04%	3.23%	0.00%	85.49%	56.52%
Percent Mobile Sources	23.83%	89.80%	93.55%	50.00%	9.84%	36.96%
Total Stationary Source Emissions	1,350.5	292.0	365.0	36.5	292.0	109.5
Total Area-Wide Source Emissions	4,599.0	73.0	365.0	0.0	6,022.5	949.0
Total Mobile Source Emissions	1,861.5	3,212.0	10,585.0	36.5	693.5	620.5
Source: CARB 2023b Note: Total may not add due to rounding						

Table 5-4. 2025 Emissions Projections - Proposed Project, Kings County, and SJVAB

	ROG	NOx	PM_{10}
Proposed Project	3.56	3.82	2.47
Kings County	7,811	3,577	7,045
SJVAB	107,347	52,451	95,922
Proposed Project Percent of Kings County	0.046%	0.107%	0.035%
Proposed Project Percent of SJVAB	0.003%	0.007%	0.003%
Kings County Percent of SJVAB	7.28%	6.82%	7.34%
Source: CARB 2023b			

As shown above, the proposed Project would pose an inconsequential impact on regional O_3 and PM_{10} formation. Therefore, this Project would not be considered cumulatively considerable in its contribution to regional O_3 and PM_{10} impacts.

5.2 Cumulative Local Air Quality Impacts

SJVAPCD uses a single threshold for determination of significance for both project specific and cumulative impacts. Air quality in SJVAB has improved over the past decades as shown in Section 3.3, which indicates that the single threshold is sufficient for assessing cumulative impacts. The proposed Project would generate less than significant impacts to criteria air pollutants; therefore, the Project's incremental contribution to cumulative air quality impacts would not be cumulatively considerable. (CEQA Guidelines Section 15064(h)(3); (SJVAPCD 2015).

5.3 Cumulative Hazardous Air Pollutants

The GAMAQI also states that when evaluating potential impacts related to HAPs, "*impacts of local pollutants (CO, HAPs) are cumulatively significant when modeling shows that the combined emissions from the project and other existing and planned projects will exceed air quality standards*." Because the Project would not be a significant source of HAPs, the proposed Project would also *not be expected to pose a significant cumulative CO or HAPs impact*.

5.4 Cumulative Carbon Monoxide (CO) – Mobile Sources

The SJVAPCD's GAMAQI has identified CO impacts from impacted traffic intersections and roadway segments as being potentially cumulatively considerable. Traffic increases and added congestion caused by a project can combine to cause a violation of the SJVAPCD's CO standard also known as a "Hotspot". There are two criteria established by the GAMAQI by which CO "Hot Spot" modeling is required:

- A traffic study for the project indicates that the Level of Service (LOS) on one or more streets or at one or more intersections in the project vicinity will be reduced to LOS E or F; or
- A traffic study indicates that the project will substantially worsen an already existing LOS F on one or more streets or at one or more intersections in the project vicinity.

According to the Project proponent, at the time of this analysis no traffic generation assessment impact study was prepared for this Project. However, due to the location and traffic increase anticipated from this Project, impacted intersections and roadway segments are anticipated to operate at a LOS of C or better. Therefore, CO "Hotspot" Modeling was not conducted for this Project and no concentrated excessive CO emissions are expected to be caused once the proposed Project is completed.

6. CONSISTENCY WITH THE AIR QUALITY ATTAINMENT PLAN

Air quality impacts from proposed projects within the Kings County are controlled through policies and provisions of the SJVAPCD and the Kings County General Plan (KCCDA, 2008). In order to demonstrate that a proposed project would not cause further air quality degradation in either the SJVAPCD's plan to improve air quality within the air basin or the federal requirements to meet certain air quality compliance goals, each project should also demonstrate consistency with the SJVAPCD's adopted Air Quality Attainment Plans (AQAP) for O_3 and PM_{10}. The SJVAPCD is required to submit a "Rate of Progress" document to CARB that demonstrates past and planned progress toward reaching attainment for all criteria pollutants. The California Clean Air Act (CCAA) requires air pollution control districts with severe or extreme air quality problems to provide for a 5% reduction in non-attainment emissions per year. The AQAP prepared for the San Joaquin Valley by the SJVAPCD complies with this requirement. CARB reviews, approves or amends the document and forwards the plan to the EPA for final review and approval within the SIP.

Air pollution sources associated with stationary sources are regulated through the permitting authority of the SJVAPCD under the New and Modified Stationary Source Review Rule (SJVAPCD Rule 2201). Owners of any new or modified equipment that emits, reduces, or controls air contaminants, except those specifically exempted by the SJVAPCD, are required to apply for an Authority to Construct and Permit to Operate (SJVAPCD Rule 2010). Additionally, best available control technology (BACT) is required on specific types of stationary equipment and are required to offset both stationary source emission increases along with increases in cargo carrier emissions if the specified threshold levels are exceeded (SJVAPCD Rule 2201, 4.7.1). Through this mechanism, the SJVAPCD would ensure that all stationary sources within the project area would be subject to the standards of the SJVAPCD to ensure that new developments do not result in net increases in stationary sources of criteria air pollutants.

6.1 Required Evaluation Guidelines

State CEQA Guidelines and the Federal Clean Air Act (Sections 176 and 316) contain specific references on the need to evaluate consistencies between the proposed project and the applicable AQAP for the project site. To accomplish this, CARB has developed a three-step approach to determine project conformity with the applicable AQAP:

1. *Determination that an AQAP is being implemented in the area where the project is being proposed*. The SJVAPCD has implemented the current, modified AQAP as approved by CARB.
2. *The proposed project must be consistent with the growth assumptions of the applicable AQAP*. The proposed Project is included in within the growth projected in the Kings County General Plan.
3. *The project must contain in its design all reasonably available and feasible air quality control measures*. The proposed project incorporates various policy and rule-required implementation measures that will reduce related emissions.

The CCAA and AQAP identify transportation control measures as methods to further reduce emissions from mobile sources. Strategies identified to reduce vehicular emissions such as reductions in vehicle trips, vehicle use, vehicle miles traveled, vehicle idling, and traffic congestion, in order to reduce vehicular emissions, can be implemented as control measures under the CCAA as well. Additional measures may also be implemented through the building process such as providing electrical outlets on exterior walls of structures to encourage use of electrical landscape maintenance equipment or measures such as electrical outlets for electrical systems on diesel trucks to reduce or eliminate idling time.

As the growth represented by the proposed Project was anticipated by the Kings County General Plan and incorporated into the AQAP, conclusions may be drawn from the following criteria:

1. That, by definition, the proposed emissions from the Project are below the SJVAPCD's established emissions impact thresholds;
2. That the primary source of emissions from the Project will be motor vehicles that are licensed through the State of California and whose emissions are already incorporated into CARB's San Joaquin Valley Emissions Inventory.

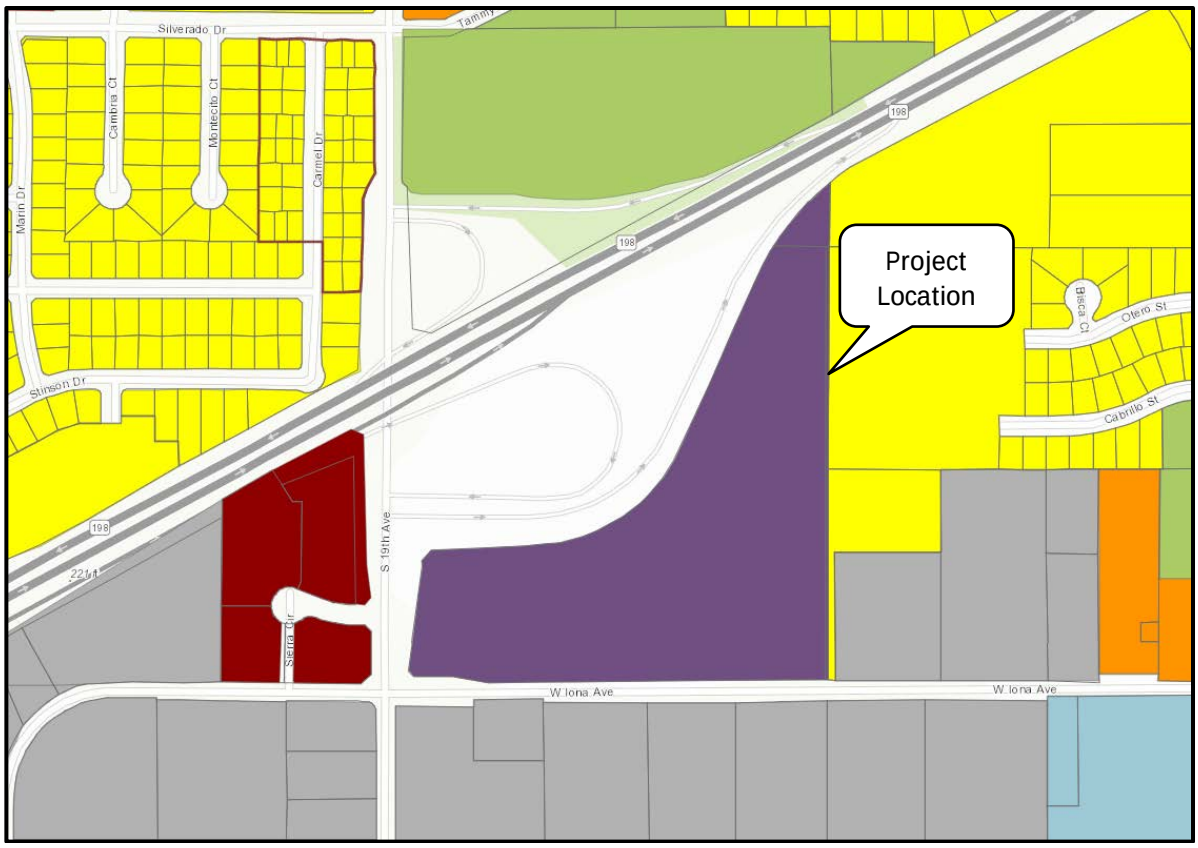
Based on these factors, the Project appears to be *consistent with the AQAP*.

6.2 Consistency with the Kings County Council of Government's Regional Conformity Analysis

The Kings County Association of Governments (KCAG) Air Quality Conformity Analysis (KCAG 2022) demonstrates that the 2023 Federal Transportation Improvement Program (2023 FTIP) and 2022 Regional Transportation Plan (2022 RTP) in the Kings County would not hinder the efforts set out in the CARB's SIP for each area's non-attainment pollutants (CO, O_3, PM_{10} and $PM_{2.5}$). The analysis uses the California Department of Finance (DOF) Demographic Forecasts 2010 to 2060 (KCAG 2022).

The KCAG Air Quality Conformity Analysis considers General Plan Amendments (GPA) and zone changes that were enacted at the time of the analysis as projected growth within the area based on land use designations incorporated within the Kings County General Plan. Land use designations that are altered based on subsequent GPAs that were not included in the Air Quality Conformity Analysis were not incorporated into the KCAG analysis. Consequently, if a proposed project is not included in the regional growth forecast using the latest planning assumptions, it may not be said to conform to the regional growth forecast. Under the current City of Lemoore Zoning, the Project site is designated as "Mixed Use" (see **Figure 6-1**).

Figure 6-1. City of Lemoore Zoning



Under current policies, only after a General Plan Amendment (GPA) is approved, can housing and employment assumptions be updated to reflect the capacity changes. Since the proposed Project does not require a GPA or zone change, the existing growth forecast will not need to be modified to reflect the proposed Project. Employment forecast for the analysis area appear to be sufficient to account for 100% of the planned employment growth attributed to the proposed Project. In order to be considered "consistent" and, therefore, in conformance with the AQAP, these increases would need to occur over the same time as the adopted growth forecast. According to Table 2-2 of KCAG's Air Quality Conformity Analysis there is a projected employee increase of 400 in Kings County between 2023 and 2024.

7. MITIGATION AND OTHER RECOMMENDED MEASURES

The estimated construction and operational emissions from the proposed Project would be less than significant, after specific mitigation measures listed below. However, to ensure that Project is in compliance with all applicable SJVAPCD rules and regulations and emissions are further reduced, the applicant should implement and comply with a number of measures that are either recommended as a "good operating practice" for environmental stewardship or they are required by regulation. Some of the listed measures are regulatory requirements or construction requirements that would result in further emission reductions through their inclusion in Project construction and long-term design. The following measures either have been applied to the Project through the CalEEMod model and would be incorporated into the Project by design or would be implemented in conjunction with SJVAPCD rules as conditions of approval.

7.1 SJVAPCD Required PM_{10} Reduction Measures

As the Project would be completed in compliance with SJVAPCD Regulation VIII, dust control measures would be taken to ensure compliance specifically during grading and construction phases. The required Regulation VIII measures are as follows:

- Water previously exposed surfaces (soil) whenever visible dust is capable of drifting from the site or approaches 20% opacity.
- Water all unpaved haul roads a minimum of three-times/day or whenever visible dust from such roads is capable of drifting from the site or approaches 20% opacity.
- Reduce speed on unpaved roads to less than 15 miles per hour.
- Install and maintain a track out control device that meets the specifications of SJVAPCD Rule 8041 if the site exceeds 150 vehicle trips per day or more than 20 vehicle trips per day by vehicles with three or more axles.
- Stabilize all disturbed areas, including storage piles, which are not being actively utilized for production purposes using water, chemical stabilizers or by covering with a tarp or other suitable cover.
- Control fugitive dust emissions during land clearing, grubbing, scraping, excavation, leveling, grading, or cut and fill operations with application of water or by presoaking.
- When transporting materials offsite, maintain a freeboard limit of at least 6 inches and cover or effectively wet to limit visible dust emissions.
- Limit and remove the accumulation of mud and/or dirt from adjacent public roadways at the end of each workday. (Use of dry rotary brushes is prohibited except when preceded or accompanied by sufficient wetting to limit visible dust emissions and use of blowers is expressly forbidden).
- Stabilize the surface of storage piles following the addition or removal of materials using water or chemical stabilizer/suppressants.
- Remove visible track-out from the site at the end of each workday.
- Cease grading or other activities that cause excessive (greater than 20% opacity) dust formation during periods of high winds (greater than 20 mph over a one-hour period).

7.2 Recommended Measures to Reduce Equipment Exhaust

In addition, the GAMAQI guidance document lists the following measures as approved and recommended for construction activities. These measures are recommended:

- Maintain all construction equipment as recommended by manufacturer manuals.
- Shut down heavy duty equipment when not in use for extended periods.
- Heavy duty construction equipment shall operate no longer than eight (8) cumulative hours per day.

- Use electric equipment for construction whenever possible in lieu of diesel or gasoline powered equipment.
- Curtail use of high-emitting construction equipment during periods of high or excessive ambient pollutant concentrations, which may include ceasing construction activity during the peak-hour of vehicle activity on adjacent roadways.
- All construction vehicles shall be equipped with proper emissions control equipment and kept in good and proper running order to substantially reduce NOx emissions.
- On-Road and Off-Road diesel equipment shall use diesel particulate filters if permitted under manufacturer's guidelines.
- On-Road and Off-Road diesel equipment shall use cooled exhaust gas recirculation (EGR) if permitted under manufacturer's guidelines.
- All construction workers shall be encouraged to shuttle (car-pool) to retail establishments or to remain on-site during lunch breaks.

7.3 Other Measures to Reduce Project Impacts

The following measures are recommended to further reduce the potential for long-term emissions from the Project. These measures are required as a matter of regulatory compliance:

- The Project design shall comply with applicable standards set forth in Title 24 of the Uniform Building Code to minimize total consumption of energy.
- The developer shall comply with the provisions of SJVAPCD Rule 4601 - Architectural Coatings, during the construction of all buildings and facilities. Application of architectural coatings shall be completed in a manner that poses the least emissions impacts whenever such application is deemed proficient.
- The applicant shall comply with the provisions of SJVAPCD Rule 4641 during the construction and pavement of all roads and parking areas within the project area. Specifically, the applicant shall not allow the use of:
  - Rapid cure cutback asphalt;
  - Medium cure cutback asphalt;
  - Slow cure cutback asphalt (as specified in SJVAPCD Rule 4641, Section 5.1.3); or Emulsified asphalt (as specified in SJVAPCD Rule 4641, Section 5.1.4).
  - The developer shall comply with applicable provisions of SJVAPCD Rule 9510 (Indirect Source Review).

8. LEVEL OF SIGNIFICANCE AFTER MITIGATION

The proposed Project would have short-term air quality impacts due to facility construction activities as well as vehicular emissions. Both of these impacts would be mitigated and *were found to be less than significant before and after mitigation*.

The proposed Project would result in long-term air quality impacts due to operational and related mobile source emissions. These impacts would be mitigated and *were found to be less than significant before and after mitigation*.

The proposed Project would result in impacts to greenhouse gases and climate change due to construction and operational emissions. These impacts *were found to be less than significant*.

The proposed Project, in conjunction with other past, present, and foreseeable future projects, would result in cumulative short-term and long-term impacts to air quality. The proposed Project's incremental contribution to these impacts would be mitigated, are below thresholds of significance, and would not be considered cumulatively considerable. Therefore, the Project's contribution to cumulative impacts *were found to be less than significant*.

The proposed Project, in conjunction with other past, present, and foreseeable future projects, would result in cumulative long-term impacts to global climate change. Given the cumulative nature of the energy industry and given consumers of electricity and diesel fuel are in effect regulated by higher level emissions restrictions on the producers of these energy sources, the proposed Project's incremental contribution to these impacts will be mitigated to the extent feasible and are considered *less than significant*.

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APPENDIX A. EXISTING AIR QUALITY MONITORING DATA

Welcome to California

Air Resources Board

View a Different Site
View a Different Substance

Annual Toxics Summary

Fresno-Garland

Lead

nanograms per cubic meter

iADAM

FAQs

Read About Estimated Risk

Year	Months Present	Minimum	Median	Mean	90th Percentile	Maximum	Standard Deviation	Number of Observations	Detection Limit	Estimated Risk
2022	----------	*	*	*	*	*	*	0	*	*
2021	----------	0.65	2.2	*	4.0	6.8	1.60	17	1.3	*
2020	----------	0.65	*	*	*	6.1	2.09	7	1.3	*
2019	----------	0.65	2.3	3.17	6.6	10.3	2.48	29	1.3	0.1
2018	----------	0.65	3.1	4.18	8.6	12.2	2.92	31	1.3	0.1
2017	----------	0.65	3.1	*	6.6	8.4	2.08	26	1.3	*
2016	----------	0.65	3.0	3.71	5.7	12.1	2.47	31	1.3	0.1
2015	----------	0.65	2.6	3.01	5.4	8.3	1.81	30	1.3	0.1
2014	----------	0.85	3.0	3.93	8.0	12	3.09	30	1.7	0.1
2013	----------	0.5	3.5	*	10.1	17	4.01	30	1.0	*
2012	----------	0.75	2.6	3.17	6.2	16	3.29	29	1.5	0.1
2011	----------	*	*	*	*	*	*	0	*	*
2010	----------	*	*	*	*	*	*	0	*	*
2009	----------	*	*	*	*	*	*	0	*	*
2008	----------	*	*	*	*	*	*	0	*	*
2007	----------	*	*	*	*	*	*	0	*	*
2006	----------	*	*	*	*	*	*	0	*	*
2005	----------	*	*	*	*	*	*	0	*	*
2004	----------	*	*	*	*	*	*	0	*	*
2003	----------	*	*	*	*	*	*	0	*	*
2002	----------	*	*	*	*	*	*	0	*	*
2001	----------	*	*	*	*	*	*	0	*	*
2000	----------	*	*	*	*	*	*	0	*	*
1999	----------	*	*	*	*	*	*	0	*	*
1998	----------	*	*	*	*	*	*	0	*	*
1997	----------	*	*	*	*	*	*	0	*	*
1996	----------	*	*	*	*	*	*	0	*	*
1995	----------	*	*	*	*	*	*	0	*	*
1994	----------	*	*	*	*	*	*	0	*	*
1993	----------	*	*	*	*	*	*	0	*	*
1992	----------	*	*	*	*	*	*	0	*	*
1991	----------	*	*	*	*	*	*	0	*	*
1990	----------	*	*	*	*	*	*	0	*	*
1989	----------	*	*	*	*	*	*	0	*	*

Graph It!

Toxics Statistics Home

Notes: Values below the Limit of Detection (LoD) assumed to be ½ LoD.
Means and risks shown only for years with data in all 12 months.
"*" means there was insufficient or no data available to determine the value.

Data Descriptions Page

Top 4 Summary: Highest 4 Daily 24-Hour PM10 Averages

at Corcoran-Patterson Avenue

iADAM

	2019		2020		2021	
	Date	24-Hr Average	Date	24-Hr Average	Date	24-Hr Average
National:						
First High:		*		*	Oct 11	254.9
Second High:		*		*	Sep 28	225.7
Third High:		*		*	Sep 22	180.3
Fourth High:		*		*	Oct 4	173.3
California:						
First High:		*		*	Sep 28	227.2
Second High:		*		*	Sep 22	178.7
Third High:		*		*	Oct 4	173.6
Fourth High:		*		*	Aug 20	165.6
National:						
Estimated # Days > 24-Hr Std:		*		*		10.2
Measured # Days > 24-Hr Std:		0		0		10
3-Yr Avg Est # Days > 24-Hr Std:		*		*		20.0
Annual Average:		*		*		*54.9*
3-Year Average:		*		*		*56*
California:						
Estimated # Days > 24-Hr Std:		*		*		*
Measured # Days > 24-Hr Std:		0		0		160
Annual Average:		*		*		*
3-Year Maximum Annual Average:		*		*		*
Year Coverage:		*		*		0

Notes:

- Daily PM10 averages and related statistics are available at Corcoran-Patterson Avenue between 1996 and 2021. Some years in this range may not be represented.
- All averages expressed in micrograms per cubic meter.
- The national annual average PM10 standard was revoked in December 2006 and is no longer in effect. Statistics related to the revoked standard are shown in *italics* or *italics* .
- An exceedance of a standard is not necessarily related to a violation of the standard.
- All values listed above represent midnight-to-midnight 24-hour averages and may be related to an exceptional event.
- State and national statistics may differ for the following reasons:
  - State statistics are based on California approved samplers, whereas national statistics are based on samplers using federal reference or equivalent methods. State and national statistics may therefore be based on different samplers.
  - State statistics for 1998 and later are based on local conditions (except for sites in the South Coast Air Basin, where State statistics for 2002 and later are based on local conditions). National statistics are based on standard conditions.
  - State criteria for ensuring that data are sufficiently complete for calculating valid annual averages are more stringent than the national criteria.
- Measurements are usually collected every six days. Measured days counts the days that a measurement was greater than the level of the standard; Estimated days mathematically estimates how many days concentrations would have been greater than the level of the standard had each day been monitored.
- 3-Year statistics represent the listed year and the 2 years before the listed year.
- Year Coverage indicates the extent to which available monitoring data represent the time of the year when concentrations are expected to be highest. 0 means that data represent none of the high period; 100 means that data represent the entire high period. A high Year Coverage does not mean that there was sufficient data for annual statistics to be considered valid.
- * means there was insufficient data available to determine the value.

Top 4 Summary: Highest 4 Daily 24-Hour PM2.5 Averages

at Corcoran-Patterson Avenue

	2019		2020		2021	
	Date	24-Hr Average	Date	24-Hr Average	Date	24-Hr Average
National:						
First High:	Nov 8	58.8	Aug 22	140.1	Oct 4	70.3
Second High:	Nov 13	48.8	Aug 21	115.2	Dec 3	61.9
Third High:	Nov 14	47.5	Sep 14	106.9	Oct 29	60.6
Fourth High:	Jan 30	47.1	Aug 23	93.2	Dec 2	58.3
California:						
First High:	Nov 8	58.8	Aug 22	144.3	Oct 4	70.3
Second High:	Nov 13	48.8	Aug 21	115.2	Dec 3	61.9
Third High:	Nov 14	47.5	Sep 14	106.9	Oct 29	60.6
Fourth High:	Jan 30	47.1	Aug 23	93.2	Dec 2	58.3
National:						
'06 Estimated # Days > 24-Hr Std:		18.1		44.5		31.5
'06 Measured # Days > 24-Hr Std:		17		43		30
2006 24-Hr Std Design Value:		64		69		60
2006 24-Hr Std 98th Percentile:		45.1		82.6		51.6
2006 Annual Std Design Value:		15.1		16.1		15.4
2012 Annual Std Design Value:		15.1		16.1		15.4
'06 Annual Average:		12.1		19.1		14.8
California:						
Annual Std Designation Value:		19		19		15
Annual Average:		12.3		*		14.8
Year Coverage:		100		100		97

Notes:

Daily PM2.5 averages and related statistics are available at Corcoran-Patterson Avenue between 1999 and 2021. Some years in this range may not be represented.

All averages expressed in micrograms per cubic meter.

An exceedance of a standard is not necessarily related to a violation of the standard.

State statistics are based on California approved samplers, whereas national statistics are based on samplers using federal reference or equivalent methods. State and national statistics may therefore be based on different samplers.

Year Coverage indicates the extent to which available monitoring data represent the time of the year when concentrations are expected to be highest. 0 means that data represent none of the high period; 100 means that data represent the entire high period. A high Year Coverage does not mean that there was sufficient data for annual statistics to be considered valid.

* means there was insufficient data available to determine the value.

Top 4 Summary: Highest 4 Daily Maximum 8-Hour Ozone Averages

at Hanford-S Irwin Street

iADAM

	2019		2020		2021	
	Date	8-Hr Average	Date	8-Hr Average	Date	8-Hr Average
National 2015 Std (0.070 ppm):						
First High:	Jul 26	0.076	Oct 2	0.088	Jun 18	0.095
Second High:	Aug 14	0.076	Aug 21	0.085	Aug 28	0.093
Third High:	Aug 15	0.076	Oct 4	0.085	Jun 19	0.082
Fourth High:	Sep 13	0.076	Aug 24	0.084	Aug 29	0.076
California Std (0.070 ppm):						
First High:	Aug 14	0.077	Oct 2	0.088	Jun 18	0.096
Second High:	Aug 15	0.077	Aug 21	0.085	Aug 28	0.093
Third High:	Jul 26	0.076	Sep 14	0.085	Jun 19	0.083
Fourth High:	Sep 13	0.076	Oct 4	0.085	Aug 29	0.076
National 2015 Std (0.070 ppm):						
# Days Above the Standard:		13		26		16
Nat'l Standard Design Value:		0.080		0.080		0.078
National Year Coverage:		96		98		89
California Std (0.070 ppm):						
# Days Above the Standard:		13		27		18
California Designation Value:		0.090		0.088		0.088
Expected Peak Day Concentration:		0.090		0.089		0.088
California Year Coverage:		94		97		88

Notes:

Eight-hour ozone averages and related statistics are available at Hanford-S Irwin Street between 1994 and 2021. Some years in this range may not be represented.

All averages expressed in parts per million.

An exceedance of a standard is not necessarily related to a violation of the standard.

State and national statistics may differ for the following reasons:

National 8-hour averages are truncated to three decimal places; State 8-hour averages are rounded to three decimal places.

State criteria for ensuring that data are sufficiently complete for calculating 8-hour averages are more stringent than the national criteria.

Daily maximum 8-hour averages associated with the National 0.070 ppm standard exclude those 8-hour averages that have first hours between midnight and 6:00 am, Pacific Standard Time.

Daily maximum 8-hour averages associated with the National 0.070 ppm standard include only those 8-hour averages from days that have sufficient data for the day to be considered valid.

Year Coverage indicates the extent to which available monitoring data represent the time of the year when concentrations are expected to be highest. 0 means that data represent none of the high period; 100 means that data represent the entire high period. A high Year Coverage does not mean that there was sufficient data for annual statistics to be considered valid.

* means there was insufficient data available to determine the value.

Top 4 Summary: Highest 4 Daily 24-Hour PM10 Averages

at Hanford-S Irwin Street

iADAM

	2019		2020		2021	
	Date	24-Hr Average	Date	24-Hr Average	Date	24-Hr Average
National:						
First High:	Oct 30	211.7	Sep 12	180.4	Sep 25	175.0
Second High:	Nov 5	138.9	Oct 6	168.6	Aug 20	160.7
Third High:	Oct 12	133.9	Sep 30	159.9	Sep 7	129.6
Fourth High:	Nov 11	110.0	Nov 5	144.2	Oct 1	128.6
California:						
First High:	Oct 30	220.5	Sep 12	180.9	Sep 28	192.7
Second High:	Nov 5	142.6	Oct 6	168.4	Oct 4	181.6
Third High:	Oct 12	135.5	Sep 30	158.4	Sep 25	176.6
Fourth High:	Nov 11	112.5	Nov 5	147.7	Jun 18	172.2
National:						
Estimated # Days > 24-Hr Std:		6.6		*		*
Measured # Days > 24-Hr Std:		1		3		2
3-Yr Avg Est # Days > 24-Hr Std:		4.0		*		*
Annual Average:		*44.8*		*51.5*		*48.1*
3-Year Average:		*46*		*48*		*48*
California:						
Estimated # Days > 24-Hr Std:		104.4		*		151.7
Measured # Days > 24-Hr Std:		17		22		146
Annual Average:		45.2		*		52.8
3-Year Maximum Annual Average:		48		48		53
Year Coverage:		96		93		97

Notes:

Daily PM10 averages and related statistics are available at Hanford-S Irwin Street between 1993 and 2021. Some years in this range may not be represented.

All averages expressed in micrograms per cubic meter.

The national annual average PM10 standard was revoked in December 2006 and is no longer in effect. Statistics related to the revoked standard are shown in *italics* or *italics* .

An exceedance of a standard is not necessarily related to a violation of the standard.

All values listed above represent midnight-to-midnight 24-hour averages and may be related to an exceptional event.

State and national statistics may differ for the following reasons:

State statistics are based on California approved samplers, whereas national statistics are based on samplers using federal reference or equivalent methods. State and national statistics may therefore be based on different samplers.

State statistics for 1998 and later are based on local conditions (except for sites in the South Coast Air Basin, where State statistics for 2002 and later are based on local conditions). National statistics are based on standard conditions.

State criteria for ensuring that data are sufficiently complete for calculating valid annual averages are more stringent than the national criteria.

Measurements are usually collected every six days. Measured days counts the days that a measurement was greater than the level of the standard; Estimated days mathematically estimates how many days concentrations would have been greater than the level of the standard had each day been monitored.

3-Year statistics represent the listed year and the 2 years before the listed year.

Year Coverage indicates the extent to which available monitoring data represent the time of the year when concentrations are expected to be highest. 0 means that data represent none of the high period; 100 means that data represent the entire high period. A high Year Coverage does not mean that there was sufficient data for annual statistics to be considered valid.

* means there was insufficient data available to determine the value.

Top 4 Summary: Highest 4 Daily 24-Hour PM2.5 Averages

at Hanford-S Irwin Street

	2019		2020		2021	
	Date	24-Hr Average	Date	24-Hr Average	Date	24-Hr Average
National:						
First High:	Nov 7	48.2	Aug 22	147.0	Oct 4	81.0
Second High:	Nov 13	46.4	Aug 21	135.1	Oct 3	70.6
Third High:	Nov 8	44.3	Sep 14	117.9	Aug 19	63.1
Fourth High:	Jan 26	41.9	Aug 23	116.7	Oct 5	60.1
California:						
First High:	Nov 13	46.4	Aug 22	147.0	Oct 4	81.0
Second High:	Nov 8	44.3	Aug 21	135.1	Oct 3	70.6
Third High:	Jan 26	41.9	Sep 14	117.9	Aug 19	63.1
Fourth High:	Nov 12	41.5	Aug 23	116.7	Oct 5	60.1
National:						
'06 Estimated # Days > 24-Hr Std:		21.0		52.0		31.6
'06 Measured # Days > 24-Hr Std:		20		52		31
2006 24-Hr Std Design Value:		63		69		61
2006 24-Hr Std 98th Percentile:		41.1		86.9		56.4
2006 Annual Std Design Value:		15.7		16.6		15.9
2012 Annual Std Design Value:		15.7		16.6		15.9
'06 Annual Average:		12.1		19.8		15.6
California:						
Annual Std Designation Value:		17		20		20
Annual Average:		12.1		19.8		15.6
Year Coverage:		94		100		100

Notes:

Daily PM2.5 averages and related statistics are available at Hanford-S Irwin Street between 2010 and 2021. Some years in this range may not be represented.

All averages expressed in micrograms per cubic meter.

An exceedance of a standard is not necessarily related to a violation of the standard.

State statistics are based on California approved samplers, whereas national statistics are based on samplers using federal reference or equivalent methods. State and national statistics may therefore be based on different samplers.

Year Coverage indicates the extent to which available monitoring data represent the time of the year when concentrations are expected to be highest. 0 means that data represent none of the high period; 100 means that data represent the entire high period. A high Year Coverage does not mean that there was sufficient data for annual statistics to be considered valid.

* means there was insufficient data available to determine the value.

Top 4 Summary: Highest 4 Daily Maximum Hourly Nitrogen Dioxide Measurements

at Hanford-S Irwin Street

iADAM

	2019		2020		2021	
	Date	Measurement	Date	Measurement	Date	Measurement
National:						
First High:	Nov 8	62.9	Nov 3	51.9	Dec 1	51.5
Second High:	Nov 5	59.5	Nov 4	51.5	Apr 10	47.5
Third High:	Nov 7	57.5	Nov 5	50.2	Nov 29	42.9
Fourth High:	Nov 6	57.0	Dec 2	47.4	Feb 8	41.0
California:						
First High:	Nov 8	62	Nov 3	51	Dec 1	51
Second High:	Nov 5	59	Nov 4	51	Apr 10	47
Third High:	Nov 6	57	Nov 5	50	Nov 29	42
Fourth High:	Nov 7	57	Dec 2	47	Feb 8	41
National:						
1-Hour Standard Design Value:		47		48		44
1-Hour Standard 98th Percentile:		48.7		43.7		40.8
# Days Above the Standard:		0		0		0
Annual Standard Design Value:		8		9		8
California:						
1-Hour Std Designation Value:		60		60		60
Expected Peak Day Concentration:		61		62		57
# Days Above the Standard:		0		0		0
Annual Std Designation Value:		8		8		8
Annual Average:		8		8		8
Year Coverage:		98		99		97

Notes:

Hourly nitrogen dioxide measurements and related statistics are available at Hanford-S Irwin Street between 1994 and 2021. Some years in this range may not be represented.

All concentrations expressed in parts per billion.

An exceedance of a standard is not necessarily related to a violation of the standard.

Year Coverage indicates the extent to which available monitoring data represent the time of the year when concentrations are expected to be highest. 0 means that data represent none of the high period; 100 means that data represent the entire high period. A high Year Coverage does not mean that there was sufficient data for annual statistics to be considered valid.

* means there was insufficient data available to determine the value.

Top 4 Summary: Highest 4 Daily Maximum 8-Hour Ozone Averages

at Santa Rosa Rancheria-17225 Jersey

	2019		2020		2021	
	Date	8-Hr Average	Date	8-Hr Average	Date	8-Hr Average
National 2015 Std (0.070 ppm):						
First High:		*	Nov 1	0.065	Aug 28	0.085
Second High:		*	Nov 3	0.055	Jun 18	0.078
Third High:		*	Nov 2	0.054	Aug 29	0.074
Fourth High:		*	Nov 4	0.050	Aug 30	0.072
California Std (0.070 ppm):						
First High:		*	Nov 1	0.066	Aug 28	0.086
Second High:		*	Nov 3	0.055	Jun 18	0.078
Third High:		*	Nov 2	0.054	Aug 29	0.074
Fourth High:		*	Nov 4	0.051	Aug 30	0.073
National 2015 Std (0.070 ppm):						
# Days Above the Standard:		*		0		4
Nat'l Standard Design Value:		*		*		*
National Year Coverage:		*		0		88
California Std (0.070 ppm):						
# Days Above the Standard:		*		0		4
California Designation Value:		*		0.066		0.086
Expected Peak Day Concentration:		*		*		*
California Year Coverage:		*		0		88

Notes:

Eight-hour ozone averages and related statistics are available at Santa Rosa Rancheria-17225 Jersey between 2020 and 2021. Some years in this range may not be represented.

All averages expressed in parts per million.

An exceedance of a standard is not necessarily related to a violation of the standard.

State and national statistics may differ for the following reasons:

National 8-hour averages are truncated to three decimal places; State 8-hour averages are rounded to three decimal places.

State criteria for ensuring that data are sufficiently complete for calculating 8-hour averages are more stringent than the national criteria.

Daily maximum 8-hour averages associated with the National 0.070 ppm standard exclude those 8-hour averages that have first hours between midnight and 6:00 am, Pacific Standard Time.

Daily maximum 8-hour averages associated with the National 0.070 ppm standard include only those 8-hour averages from days that have sufficient data for the day to be considered valid.

Year Coverage indicates the extent to which available monitoring data represent the time of the year when concentrations are expected to be highest. 0 means that data represent none of the high period; 100 means that data represent the entire high period. A high Year Coverage does not mean that there was sufficient data for annual statistics to be considered valid.

* means there was insufficient data available to determine the value.

Top 4 Summary: Highest 4 Daily Maximum Hourly Ozone Measurements

at Santa Rosa Rancheria-17225 Jersey

	2019		2020		2021	
	Date	Measurement	Date	Measurement	Date	Measurement
First High:		*	Nov 1	0.074	Aug 28	0.095
Second High:		*	Nov 3	0.069	Jun 18	0.081
Third High:		*	Nov 2	0.068	Aug 29	0.081
Fourth High:		*	Nov 4	0.063	Aug 30	0.080
California:						
# Days Above the Standard:		*		0		1
California Designation Value:		*		0.07		0.10
Expected Peak Day Concentration:		*		*		*
National:						
# Days Above the Standard:		*		*0*		*0*
3-Year Estimated Expected Number of Exceedance Days:		*		*		*
1-Year Estimated Expected Number of Exceedance Days:		*		*0.0*		*0.0*
Nat'l Standard Design Value:		*		*		*0.081*
Year Coverage:		*		0		89

Notes:

Hourly ozone measurements and related statistics are available at Santa Rosa Rancheria-17225 Jersey between 2020 and 2021. Some years in this range may not be represented.

All concentrations expressed in parts per million.

The national 1-hour ozone standard was revoked in June 2005. Statistics related to the national 1-hour ozone standard are shown in or .

An exceedance of a standard is not necessarily related to a violation of the standard.

Year Coverage indicates the extent to which available monitoring data represent the time of the year when concentrations are expected to be highest. 0 means that data represent none of the high period; 100 means that data represent the entire high period. A high Year Coverage does not mean that there was sufficient data for annual statistics to be considered valid.

* means there was insufficient data available to determine the value.

APPENDIX B. PROJECT EMISSION CALCULATIONS

Maverik - Convenience Store and Drive Thru - Kings County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Maverik - Convenience Store and Drive Thru

Kings County, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Parking Lot	47.00	Space	0.42	18,800.00	0
Fast Food Restaurant with Drive Thru	2.87	1000sqft	1.20	2,870.00	0
Convenience Market with Gas Pumps	5.98	1000sqft	2.51	5,982.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	37
Climate Zone	3			**Operational Year**	2024
Utility Company	Pacific Gas and Electric Company				
CO2 Intensity (lb/MWhr)	203.98	**CH4 Intensity (lb/MWhr)**	0.033	**N2O Intensity (lb/MWhr)**	0.004

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - Lot acreage provided by Applicant.

Construction Phase - 6 month timeline proposed by Applicant.

Grading - Yellow cells upon entry.

Vehicle Trips - Trip rates, including capture adjustment, based on Trip Generation provided by Ruettgers & Schuler (2023).

Construction Off-road Equipment Mitigation -

Area Mitigation - Per SJVAPCD 3% is the assumed statewide average for landscape equipment.

Table Name	Column Name	Default Value	New Value
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	15

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblConstructionPhase	NumDays	18.00	8.00
tblConstructionPhase	NumDays	230.00	101.00
tblConstructionPhase	NumDays	8.00	3.00
tblConstructionPhase	NumDays	18.00	8.00
tblConstructionPhase	NumDays	5.00	2.00
tblGrading	AcresOfGrading	3.00	8.00
tblGrading	AcresOfGrading	3.00	7.50
tblLandUse	LandUseSquareFeet	5,980.00	5,982.00
tblLandUse	LotAcreage	0.07	1.20
tblLandUse	LotAcreage	0.14	2.51
tblVehicleTrips	ST_TR	624.20	1,276.04
tblVehicleTrips	ST_TR	616.12	444.20
tblVehicleTrips	SU_TR	624.20	1,276.04
tblVehicleTrips	SU_TR	472.58	444.20
tblVehicleTrips	WD_TR	624.20	1,276.04
tblVehicleTrips	WD_TR	470.95	444.20

2.0 Emissions Summary

Maverik - Convenience Store and Drive Thru - Kings County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

2.1 Overall Construction

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2023	0.1409	0.8327	0.9355	1.6300e-003	0.0425	0.0398	0.0823	0.0177	0.0374	0.0551	0.0000	140.9470	140.9470	0.0325	8.5000e-004	142.0115
2024	0.0166	1.2200e-003	1.8600e-003	0.0000	2.0000e-005	6.0000e-005	8.0000e-005	0.0000	6.0000e-005	7.0000e-005	0.0000	0.2676	0.2676	1.0000e-005	0.0000	0.2680
Maximum	**0.1409**	**0.8327**	**0.9355**	**1.6300e-003**	**0.0425**	**0.0398**	**0.0823**	**0.0177**	**0.0374**	**0.0551**	**0.0000**	**140.9470**	**140.9470**	**0.0325**	**8.5000e-004**	**142.0115**

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2023	0.1409	0.8327	0.9355	1.6300e-003	0.0209	0.0398	0.0608	8.1000e-003	0.0374	0.0455	0.0000	140.9468	140.9468	0.0325	8.5000e-004	142.0113
2024	0.0166	1.2200e-003	1.8600e-003	0.0000	2.0000e-005	6.0000e-005	8.0000e-005	0.0000	6.0000e-005	7.0000e-005	0.0000	0.2676	0.2676	1.0000e-005	0.0000	0.2680
Maximum	**0.1409**	**0.8327**	**0.9355**	**1.6300e-003**	**0.0209**	**0.0398**	**0.0608**	**8.1000e-003**	**0.0374**	**0.0455**	**0.0000**	**140.9468**	**140.9468**	**0.0325**	**8.5000e-004**	**142.0113**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**50.71**	**0.00**	**26.15**	**54.29**	**0.00**	**17.45**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
1	**7-17-2023**	**10-16-2023**	0.5474	0.5474
2	**10-17-2023**	**1-16-2024**	0.4371	0.4371
		Highest	0.5474	0.5474

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	0.0424	0.0000	5.1000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	1.0000e-003	1.0000e-003	0.0000	0.0000	1.0600e-003
Energy	3.5900e-003	0.0327	0.0274	2.0000e-004		2.4800e-003	2.4800e-003		2.4800e-003	2.4800e-003	0.0000	48.0578	48.0578	2.7000e-003	9.0000e-004	48.3927
Mobile	2.8525	3.3211	16.0027	0.0238	1.9915	0.0247	2.0163	0.5324	0.0232	0.5555	0.0000	2,204.7231	2,204.7231	0.2441	0.1988	2,270.0612
Waste						0.0000	0.0000		0.0000	0.0000	10.3586	0.0000	10.3586	0.6122	0.0000	25.6631
Water						0.0000	0.0000		0.0000	0.0000	0.4169	0.7638	1.1807	0.0429	1.0300e-003	2.5601
Total	**2.8984**	**3.3538**	**16.0306**	**0.0240**	**1.9915**	**0.0272**	**2.0187**	**0.5324**	**0.0257**	**0.5580**	**10.7755**	**2,253.5457**	**2,264.3212**	**0.9019**	**0.2007**	**2,346.6781**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

2.2 Overall Operational

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	0.0424	0.0000	5.1000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	9.8000e-004	9.8000e-004	0.0000	0.0000	1.0500e-003
Energy	3.5900e-003	0.0327	0.0274	2.0000e-004		2.4800e-003	2.4800e-003		2.4800e-003	2.4800e-003	0.0000	48.0578	48.0578	2.7000e-003	9.0000e-004	48.3927
Mobile	2.8525	3.3211	16.0027	0.0238	1.9915	0.0247	2.0163	0.5324	0.0232	0.5555	0.0000	2,204.7231	2,204.7231	0.2441	0.1988	2,270.0612
Waste						0.0000	0.0000		0.0000	0.0000	10.3586	0.0000	10.3586	0.6122	0.0000	25.6631
Water						0.0000	0.0000		0.0000	0.0000	0.4169	0.7638	1.1807	0.0429	1.0300e-003	2.5601
Total	**2.8984**	**3.3538**	**16.0306**	**0.0240**	**1.9915**	**0.0272**	**2.0187**	**0.5324**	**0.0257**	**0.5580**	**10.7755**	**2,253.5456**	**2,264.3212**	**0.9019**	**0.2007**	**2,346.6781**

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

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Site Preparation	Site Preparation	7/17/2023	7/18/2023	5	2	
2	Grading	Grading	7/19/2023	7/21/2023	5	3	
3	Building Construction	Building Construction	7/22/2023	12/11/2023	5	101	

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

4	Paving	Paving	12/12/2023	12/21/2023	5	8	
5	Architectural Coating	Architectural Coating	12/22/2023	1/2/2024	5	8	

Acres of Grading (Site Preparation Phase): 7.5

Acres of Grading (Grading Phase): 8

Acres of Paving: 0.42

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 13,278; Non-Residential Outdoor: 4,426; Striped Parking Area: 1,128 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Site Preparation	Rubber Tired Dozers	3	8.00	247	0.40
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Grading	Excavators	1	8.00	158	0.38
Grading	Graders	1	8.00	187	0.41
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Grading	Tractors/Loaders/Backhoes	3	8.00	97	0.37
Building Construction	Cranes	1	7.00	231	0.29
Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45
Paving	Cement and Mortar Mixers	2	6.00	9	0.56
Paving	Pavers	1	8.00	130	0.42
Paving	Paving Equipment	2	6.00	132	0.36
Paving	Rollers	2	6.00	80	0.38
Paving	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Architectural Coating	Air Compressors	1	6.00	78	0.48

Maverik - Convenience Store and Drive Thru - Kings County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Site Preparation	7	18.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Grading	6	15.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	11.00	5.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Paving	8	20.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	2.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Water Exposed Area

Reduce Vehicle Speed on Unpaved Roads

3.2 Site Preparation - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0220	0.0000	0.0220	0.0104	0.0000	0.0104	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	2.6600e-003	0.0275	0.0182	4.0000e-005		1.2700e-003	1.2700e-003		1.1600e-003	1.1600e-003	0.0000	3.3451	3.3451	1.0800e-003	0.0000	3.3721
Total	**2.6600e-003**	**0.0275**	**0.0182**	**4.0000e-005**	**0.0220**	**1.2700e-003**	**0.0233**	**0.0104**	**1.1600e-003**	**0.0115**	**0.0000**	**3.3451**	**3.3451**	**1.0800e-003**	**0.0000**	**3.3721**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.2 Site Preparation - 2023

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	5.0000e-005	4.0000e-005	4.5000e-004	0.0000	1.4000e-004	0.0000	1.5000e-004	4.0000e-005	0.0000	4.0000e-005	0.0000	0.1138	0.1138	0.0000	0.0000	0.1148
Total	**5.0000e-005**	**4.0000e-005**	**4.5000e-004**	**0.0000**	**1.4000e-004**	**0.0000**	**1.5000e-004**	**4.0000e-005**	**0.0000**	**4.0000e-005**	**0.0000**	**0.1138**	**0.1138**	**0.0000**	**0.0000**	**0.1148**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					8.6000e-003	0.0000	8.6000e-003	4.0400e-003	0.0000	4.0400e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	2.6600e-003	0.0275	0.0182	4.0000e-005		1.2700e-003	1.2700e-003		1.1600e-003	1.1600e-003	0.0000	3.3451	3.3451	1.0800e-003	0.0000	3.3721
Total	**2.6600e-003**	**0.0275**	**0.0182**	**4.0000e-005**	**8.6000e-003**	**1.2700e-003**	**9.8700e-003**	**4.0400e-003**	**1.1600e-003**	**5.2000e-003**	**0.0000**	**3.3451**	**3.3451**	**1.0800e-003**	**0.0000**	**3.3721**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.2 Site Preparation - 2023

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	5.0000e-005	4.0000e-005	4.5000e-004	0.0000	1.4000e-004	0.0000	1.5000e-004	4.0000e-005	0.0000	4.0000e-005	0.0000	0.1138	0.1138	0.0000	0.0000	0.1148
Total	**5.0000e-005**	**4.0000e-005**	**4.5000e-004**	**0.0000**	**1.4000e-004**	**0.0000**	**1.5000e-004**	**4.0000e-005**	**0.0000**	**4.0000e-005**	**0.0000**	**0.1138**	**0.1138**	**0.0000**	**0.0000**	**0.1148**

3.3 Grading - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0133	0.0000	0.0133	5.4200e-003	0.0000	5.4200e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	2.5700e-003	0.0269	0.0221	4.0000e-005		1.1600e-003	1.1600e-003		1.0700e-003	1.0700e-003	0.0000	3.9091	3.9091	1.2600e-003	0.0000	3.9407
Total	**2.5700e-003**	**0.0269**	**0.0221**	**4.0000e-005**	**0.0133**	**1.1600e-003**	**0.0144**	**5.4200e-003**	**1.0700e-003**	**6.4900e-003**	**0.0000**	**3.9091**	**3.9091**	**1.2600e-003**	**0.0000**	**3.9407**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.3 Grading - 2023

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	7.0000e-005	5.0000e-005	5.6000e-004	0.0000	1.8000e-004	0.0000	1.8000e-004	5.0000e-005	0.0000	5.0000e-005	0.0000	0.1422	0.1422	0.0000	0.0000	0.1436
Total	**7.0000e-005**	**5.0000e-005**	**5.6000e-004**	**0.0000**	**1.8000e-004**	**0.0000**	**1.8000e-004**	**5.0000e-005**	**0.0000**	**5.0000e-005**	**0.0000**	**0.1422**	**0.1422**	**0.0000**	**0.0000**	**0.1436**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					5.1800e-003	0.0000	5.1800e-003	2.1200e-003	0.0000	2.1200e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	2.5700e-003	0.0269	0.0221	4.0000e-005		1.1600e-003	1.1600e-003		1.0700e-003	1.0700e-003	0.0000	3.9091	3.9091	1.2600e-003	0.0000	3.9407
Total	**2.5700e-003**	**0.0269**	**0.0221**	**4.0000e-005**	**5.1800e-003**	**1.1600e-003**	**6.3400e-003**	**2.1200e-003**	**1.0700e-003**	**3.1900e-003**	**0.0000**	**3.9091**	**3.9091**	**1.2600e-003**	**0.0000**	**3.9407**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.3 Grading - 2023

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	7.0000e-005	5.0000e-005	5.6000e-004	0.0000	1.8000e-004	0.0000	1.8000e-004	5.0000e-005	0.0000	5.0000e-005	0.0000	0.1422	0.1422	0.0000	0.0000	0.1436
Total	**7.0000e-005**	**5.0000e-005**	**5.6000e-004**	**0.0000**	**1.8000e-004**	**0.0000**	**1.8000e-004**	**5.0000e-005**	**0.0000**	**5.0000e-005**	**0.0000**	**0.1422**	**0.1422**	**0.0000**	**0.0000**	**0.1436**

3.4 Building Construction - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0794	0.7264	0.8203	1.3600e-003		0.0353	0.0353		0.0333	0.0333	0.0000	117.0614	117.0614	0.0279	0.0000	117.7576
Total	**0.0794**	**0.7264**	**0.8203**	**1.3600e-003**		**0.0353**	**0.0353**		**0.0333**	**0.0333**	**0.0000**	**117.0614**	**117.0614**	**0.0279**	**0.0000**	**117.7576**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.4 Building Construction - 2023

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	3.1000e-004	0.0113	3.7300e-003	5.0000e-005	1.6800e-003	7.0000e-005	1.7600e-003	4.9000e-004	7.0000e-005	5.6000e-004	0.0000	5.0037	5.0037	2.0000e-005	7.2000e-004	5.2198
Worker	1.6800e-003	1.1500e-003	0.0137	4.0000e-005	4.4600e-003	2.0000e-005	4.4900e-003	1.1900e-003	2.0000e-005	1.2100e-003	0.0000	3.5108	3.5108	1.1000e-004	1.0000e-004	3.5442
Total	**1.9900e-003**	**0.0125**	**0.0175**	**9.0000e-005**	**6.1400e-003**	**9.0000e-005**	**6.2500e-003**	**1.6800e-003**	**9.0000e-005**	**1.7700e-003**	**0.0000**	**8.5145**	**8.5145**	**1.3000e-004**	**8.2000e-004**	**8.7640**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0794	0.7264	0.8203	1.3600e-003		0.0353	0.0353		0.0333	0.0333	0.0000	117.0613	117.0613	0.0279	0.0000	117.7574
Total	**0.0794**	**0.7264**	**0.8203**	**1.3600e-003**		**0.0353**	**0.0353**		**0.0333**	**0.0333**	**0.0000**	**117.0613**	**117.0613**	**0.0279**	**0.0000**	**117.7574**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.4 Building Construction - 2023

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	3.1000e-004	0.0113	3.7300e-003	5.0000e-005	1.6800e-003	7.0000e-005	1.7600e-003	4.9000e-004	7.0000e-005	5.6000e-004	0.0000	5.0037	5.0037	2.0000e-005	7.2000e-004	5.2198
Worker	1.6800e-003	1.1500e-003	0.0137	4.0000e-005	4.4600e-003	2.0000e-005	4.4900e-003	1.1900e-003	2.0000e-005	1.2100e-003	0.0000	3.5108	3.5108	1.1000e-004	1.0000e-004	3.5442
Total	**1.9900e-003**	**0.0125**	**0.0175**	**9.0000e-005**	**6.1400e-003**	**9.0000e-005**	**6.2500e-003**	**1.6800e-003**	**9.0000e-005**	**1.7700e-003**	**0.0000**	**8.5145**	**8.5145**	**1.3000e-004**	**8.2000e-004**	**8.7640**

3.5 Paving - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	3.6700e-003	0.0352	0.0488	8.0000e-005		1.7400e-003	1.7400e-003		1.6100e-003	1.6100e-003	0.0000	6.5514	6.5514	2.0600e-003	0.0000	6.6029
Paving	5.5000e-004					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**4.2200e-003**	**0.0352**	**0.0488**	**8.0000e-005**		**1.7400e-003**	**1.7400e-003**		**1.6100e-003**	**1.6100e-003**	**0.0000**	**6.5514**	**6.5514**	**2.0600e-003**	**0.0000**	**6.6029**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.5 Paving - 2023

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.4000e-004	1.7000e-004	1.9800e-003	1.0000e-005	6.4000e-004	0.0000	6.5000e-004	1.7000e-004	0.0000	1.7000e-004	0.0000	0.5056	0.5056	2.0000e-005	1.0000e-005	0.5104
Total	**2.4000e-004**	**1.7000e-004**	**1.9800e-003**	**1.0000e-005**	**6.4000e-004**	**0.0000**	**6.5000e-004**	**1.7000e-004**	**0.0000**	**1.7000e-004**	**0.0000**	**0.5056**	**0.5056**	**2.0000e-005**	**1.0000e-005**	**0.5104**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	3.6700e-003	0.0352	0.0488	8.0000e-005		1.7400e-003	1.7400e-003		1.6100e-003	1.6100e-003	0.0000	6.5514	6.5514	2.0600e-003	0.0000	6.6029
Paving	5.5000e-004					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**4.2200e-003**	**0.0352**	**0.0488**	**8.0000e-005**		**1.7400e-003**	**1.7400e-003**		**1.6100e-003**	**1.6100e-003**	**0.0000**	**6.5514**	**6.5514**	**2.0600e-003**	**0.0000**	**6.6029**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.5 Paving - 2023

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.4000e-004	1.7000e-004	1.9800e-003	1.0000e-005	6.4000e-004	0.0000	6.5000e-004	1.7000e-004	0.0000	1.7000e-004	0.0000	0.5056	0.5056	2.0000e-005	1.0000e-005	0.5104
Total	**2.4000e-004**	**1.7000e-004**	**1.9800e-003**	**1.0000e-005**	**6.4000e-004**	**0.0000**	**6.5000e-004**	**1.7000e-004**	**0.0000**	**1.7000e-004**	**0.0000**	**0.5056**	**0.5056**	**2.0000e-005**	**1.0000e-005**	**0.5104**

3.6 Architectural Coating - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.0491					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	5.7000e-004	3.9100e-003	5.4300e-003	1.0000e-005		2.1000e-004	2.1000e-004		2.1000e-004	2.1000e-004	0.0000	0.7660	0.7660	5.0000e-005	0.0000	0.7671
Total	**0.0497**	**3.9100e-003**	**5.4300e-003**	**1.0000e-005**		**2.1000e-004**	**2.1000e-004**		**2.1000e-004**	**2.1000e-004**	**0.0000**	**0.7660**	**0.7660**	**5.0000e-005**	**0.0000**	**0.7671**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.6 Architectural Coating - 2023

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.0000e-005	1.0000e-005	1.5000e-004	0.0000	5.0000e-005	0.0000	5.0000e-005	1.0000e-005	0.0000	1.0000e-005	0.0000	0.0379	0.0379	0.0000	0.0000	0.0383
Total	**2.0000e-005**	**1.0000e-005**	**1.5000e-004**	**0.0000**	**5.0000e-005**	**0.0000**	**5.0000e-005**	**1.0000e-005**	**0.0000**	**1.0000e-005**	**0.0000**	**0.0379**	**0.0379**	**0.0000**	**0.0000**	**0.0383**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.0491					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	5.7000e-004	3.9100e-003	5.4300e-003	1.0000e-005		2.1000e-004	2.1000e-004		2.1000e-004	2.1000e-004	0.0000	0.7660	0.7660	5.0000e-005	0.0000	0.7671
Total	**0.0497**	**3.9100e-003**	**5.4300e-003**	**1.0000e-005**		**2.1000e-004**	**2.1000e-004**		**2.1000e-004**	**2.1000e-004**	**0.0000**	**0.7660**	**0.7660**	**5.0000e-005**	**0.0000**	**0.7671**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.6 Architectural Coating - 2023

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.0000e-005	1.0000e-005	1.5000e-004	0.0000	5.0000e-005	0.0000	5.0000e-005	1.0000e-005	0.0000	1.0000e-005	0.0000	0.0379	0.0379	0.0000	0.0000	0.0383
Total	**2.0000e-005**	**1.0000e-005**	**1.5000e-004**	**0.0000**	**5.0000e-005**	**0.0000**	**5.0000e-005**	**1.0000e-005**	**0.0000**	**1.0000e-005**	**0.0000**	**0.0379**	**0.0379**	**0.0000**	**0.0000**	**0.0383**

3.6 Architectural Coating - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.0164					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	1.8000e-004	1.2200e-003	1.8100e-003	0.0000		6.0000e-005	6.0000e-005		6.0000e-005	6.0000e-005	0.0000	0.2553	0.2553	1.0000e-005	0.0000	0.2557
Total	**0.0166**	**1.2200e-003**	**1.8100e-003**	**0.0000**		**6.0000e-005**	**6.0000e-005**		**6.0000e-005**	**6.0000e-005**	**0.0000**	**0.2553**	**0.2553**	**1.0000e-005**	**0.0000**	**0.2557**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.6 Architectural Coating - 2024

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.0000e-005	0.0000	5.0000e-005	0.0000	2.0000e-005	0.0000	2.0000e-005	0.0000	0.0000	0.0000	0.0000	0.0122	0.0122	0.0000	0.0000	0.0124
Total	**1.0000e-005**	**0.0000**	**5.0000e-005**	**0.0000**	**2.0000e-005**	**0.0000**	**2.0000e-005**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0122**	**0.0122**	**0.0000**	**0.0000**	**0.0124**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.0164					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	1.8000e-004	1.2200e-003	1.8100e-003	0.0000		6.0000e-005	6.0000e-005		6.0000e-005	6.0000e-005	0.0000	0.2553	0.2553	1.0000e-005	0.0000	0.2557
Total	**0.0166**	**1.2200e-003**	**1.8100e-003**	**0.0000**		**6.0000e-005**	**6.0000e-005**		**6.0000e-005**	**6.0000e-005**	**0.0000**	**0.2553**	**0.2553**	**1.0000e-005**	**0.0000**	**0.2557**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.6 Architectural Coating - 2024

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.0000e-005	0.0000	5.0000e-005	0.0000	2.0000e-005	0.0000	2.0000e-005	0.0000	0.0000	0.0000	0.0000	0.0122	0.0122	0.0000	0.0000	0.0124
Total	**1.0000e-005**	**0.0000**	**5.0000e-005**	**0.0000**	**2.0000e-005**	**0.0000**	**2.0000e-005**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0122**	**0.0122**	**0.0000**	**0.0000**	**0.0124**

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	2.8525	3.3211	16.0027	0.0238	1.9915	0.0247	2.0163	0.5324	0.0232	0.5555	0.0000	2,204.7231	2,204.7231	0.2441	0.1988	2,270.0612
Unmitigated	2.8525	3.3211	16.0027	0.0238	1.9915	0.0247	2.0163	0.5324	0.0232	0.5555	0.0000	2,204.7231	2,204.7231	0.2441	0.1988	2,270.0612

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Convenience Market with Gas Pumps	7,630.72	7,630.72	7630.72	4,093,150	4,093,150
Fast Food Restaurant with Drive Thru	1,274.85	1,274.85	1274.85	1,191,128	1,191,128
Parking Lot	0.00	0.00	0.00		
Total	8,905.57	8,905.57	8,905.57	5,284,278	5,284,278

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Convenience Market with Gas	9.50	7.30	7.30	0.80	80.20	19.00	14	21	65
Fast Food Restaurant with Drive	9.50	7.30	7.30	2.20	78.80	19.00	29	21	50
Parking Lot	9.50	7.30	7.30	0.00	0.00	0.00	0	0	0

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Convenience Market with Gas Pumps	0.504365	0.051424	0.168544	0.163993	0.029850	0.006745	0.008269	0.036653	0.000620	0.000189	0.024675	0.001152	0.003520

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Fast Food Restaurant with Drive Thru	0.504365	0.051424	0.168544	0.163993	0.029850	0.006745	0.008269	0.036653	0.000620	0.000189	0.024675	0.001152	0.003520
Parking Lot	0.504365	0.051424	0.168544	0.163993	0.029850	0.006745	0.008269	0.036653	0.000620	0.000189	0.024675	0.001152	0.003520

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Electricity Mitigated						0.0000	0.0000		0.0000	0.0000	0.0000	12.4993	12.4993	2.0200e-003	2.5000e-004	12.6229
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	12.4993	12.4993	2.0200e-003	2.5000e-004	12.6229
NaturalGas Mitigated	3.5900e-003	0.0327	0.0274	2.0000e-004		2.4800e-003	2.4800e-003		2.4800e-003	2.4800e-003	0.0000	35.5585	35.5585	6.8000e-004	6.5000e-004	35.7698
NaturalGas Unmitigated	3.5900e-003	0.0327	0.0274	2.0000e-004		2.4800e-003	2.4800e-003		2.4800e-003	2.4800e-003	0.0000	35.5585	35.5585	6.8000e-004	6.5000e-004	35.7698

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Convenience Market with Gas Pumps	63469	3.4000e-004	3.1100e-003	2.6100e-003	2.0000e-005		2.4000e-004	2.4000e-004		2.4000e-004	2.4000e-004	0.0000	3.3870	3.3870	6.0000e-005	6.0000e-005	3.4071
Fast Food Restaurant with Drive Thru	602872	3.2500e-003	0.0296	0.0248	1.8000e-004		2.2500e-003	2.2500e-003		2.2500e-003	2.2500e-003	0.0000	32.1716	32.1716	6.2000e-004	5.9000e-004	32.3627
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total		**3.5900e-003**	**0.0327**	**0.0274**	**2.0000e-004**		**2.4900e-003**	**2.4900e-003**		**2.4900e-003**	**2.4900e-003**	**0.0000**	**35.5585**	**35.5585**	**6.8000e-004**	**6.5000e-004**	**35.7698**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

5.2 Energy by Land Use - NaturalGas

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Convenience Market with Gas Pumps	63469	3.4000e-004	3.1100e-003	2.6100e-003	2.0000e-005		2.4000e-004	2.4000e-004		2.4000e-004	2.4000e-004	0.0000	3.3870	3.3870	6.0000e-005	6.0000e-005	3.4071
Fast Food Restaurant with Drive Thru	602872	3.2500e-003	0.0296	0.0248	1.8000e-004		2.2500e-003	2.2500e-003		2.2500e-003	2.2500e-003	0.0000	32.1716	32.1716	6.2000e-004	5.9000e-004	32.3627
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total		**3.5900e-003**	**0.0327**	**0.0274**	**2.0000e-004**		**2.4900e-003**	**2.4900e-003**		**2.4900e-003**	**2.4900e-003**	**0.0000**	**35.5585**	**35.5585**	**6.8000e-004**	**6.5000e-004**	**35.7698**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

5.3 Energy by Land Use - Electricity

Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Convenience Market with Gas Pumps	47377.4	4.3835	7.1000e-004	9.0000e-005	4.4269
Fast Food Restaurant with Drive Thru	81134.9	7.5069	1.2100e-003	1.5000e-004	7.5811
Parking Lot	6580	0.6088	1.0000e-004	1.0000e-005	0.6148
Total		**12.4993**	**2.0200e-003**	**2.5000e-004**	**12.6229**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

5.3 Energy by Land Use - Electricity

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Convenience Market with Gas Pumps	47377.4	4.3835	7.1000e-004	9.0000e-005	4.4269
Fast Food Restaurant with Drive Thru	81134.9	7.5069	1.2100e-003	1.5000e-004	7.5811
Parking Lot	6580	0.6088	1.0000e-004	1.0000e-005	0.6148
Total		**12.4993**	**2.0200e-003**	**2.5000e-004**	**12.6229**

6.0 Area Detail

6.1 Mitigation Measures Area

Use Electric Lawnmower

Use Electric Leafblower

Use Electric Chainsaw

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	0.0424	0.0000	5.1000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	9.8000e-004	9.8000e-004	0.0000	0.0000	1.0500e-003
Unmitigated	0.0424	0.0000	5.1000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	1.0000e-003	1.0000e-003	0.0000	0.0000	1.0600e-003

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	6.5500e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.0358					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	5.0000e-005	0.0000	5.1000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	1.0000e-003	1.0000e-003	0.0000	0.0000	1.0600e-003
Total	**0.0424**	**0.0000**	**5.1000e-004**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**	**1.0000e-003**	**1.0000e-003**	**0.0000**	**0.0000**	**1.0600e-003**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	6.5500e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.0358					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	5.0000e-005	0.0000	5.1000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	9.8000e-004	9.8000e-004	0.0000	0.0000	1.0500e-003
Total	**0.0424**	**0.0000**	**5.1000e-004**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**	**9.8000e-004**	**9.8000e-004**	**0.0000**	**0.0000**	**1.0500e-003**

7.0 Water Detail

7.1 Mitigation Measures Water

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	1.1807	0.0429	1.0300e-003	2.5601
Unmitigated	1.1807	0.0429	1.0300e-003	2.5601

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Convenience Market with Gas Pumps	0.442954 / 0.271488	0.4502	0.0145	3.5000e-004	0.9157
Fast Food Restaurant with Drive Thru	0.871142 / 0.0556048	0.7305	0.0285	6.8000e-004	1.6444
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
Total		**1.1807**	**0.0429**	**1.0300e-003**	**2.5601**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

7.2 Water by Land Use

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Convenience Market with Gas Pumps	0.442954 / 0.271488	0.4502	0.0145	3.5000e-004	0.9157
Fast Food Restaurant with Drive Thru	0.871142 / 0.0556048	0.7305	0.0285	6.8000e-004	1.6444
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
Total		**1.1807**	**0.0429**	**1.0300e-003**	**2.5601**

8.0 Waste Detail

8.1 Mitigation Measures Waste

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	10.3586	0.6122	0.0000	25.6631
Unmitigated	10.3586	0.6122	0.0000	25.6631

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Convenience Market with Gas Pumps	17.97	3.6478	0.2156	0.0000	9.0371
Fast Food Restaurant with Drive Thru	33.06	6.7109	0.3966	0.0000	16.6259
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Total		**10.3586**	**0.6122**	**0.0000**	**25.6631**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

8.2 Waste by Land Use

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Convenience Market with Gas Pumps	17.97	3.6478	0.2156	0.0000	9.0371
Fast Food Restaurant with Drive Thru	33.06	6.7109	0.3966	0.0000	16.6259
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Total		**10.3586**	**0.6122**	**0.0000**	**25.6631**

9.0 Operational Offroad

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

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

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

Boilers

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

User Defined Equipment

Equipment Type	Number

11.0 Vegetation

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Maverik - Light Industrial

Kings County, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Heavy Industry	70.00	1000sqft	10.50	70,000.00	0
Unrefrigerated Warehouse-No Rail	30.00	1000sqft	4.50	30,000.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	37
Climate Zone	3			**Operational Year**	2025
Utility Company	Pacific Gas and Electric Company				
CO2 Intensity (lb/MWhr)	203.98	**CH4 Intensity (lb/MWhr)**	0.033	**N2O Intensity (lb/MWhr)**	0.004

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - Area acreage estimated using Google Earth. Project will be Light Industry but modeled as Heavy Industry due to CalEEMod limits.

Construction Phase - 1 year timeline proposed by Applicant.

Grading - Yellow cells upon entry.

Construction Off-road Equipment Mitigation -

Area Mitigation - Per SJVAPCD 3% is the assumed statewide average for landscape equipment.

Vehicle Trips - Trip rates based on Trip Generation (Ruettgers & Schuler, 2023)

Mobile Land Use Mitigation -

Table Name	Column Name	Default Value	New Value
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	15

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblConstructionPhase	NumDays	20.00	14.00
tblConstructionPhase	NumDays	300.00	208.00
tblConstructionPhase	NumDays	30.00	21.00
tblConstructionPhase	NumDays	20.00	14.00
tblConstructionPhase	NumDays	10.00	7.00
tblConstructionPhase	PhaseEndDate	6/17/2025	1/6/2025
tblConstructionPhase	PhaseEndDate	4/22/2025	11/27/2024
tblConstructionPhase	PhaseEndDate	2/27/2024	2/9/2024
tblConstructionPhase	PhaseEndDate	5/20/2025	12/17/2024
tblConstructionPhase	PhaseEndDate	1/16/2024	1/11/2024
tblConstructionPhase	PhaseStartDate	5/21/2025	12/18/2024
tblConstructionPhase	PhaseStartDate	2/28/2024	2/10/2024
tblConstructionPhase	PhaseStartDate	1/17/2024	1/12/2024
tblConstructionPhase	PhaseStartDate	4/23/2025	11/28/2024
tblGrading	AcresOfGrading	63.00	90.00
tblGrading	AcresOfGrading	10.50	15.00
tblLandUse	LotAcreage	1.61	10.50
tblLandUse	LotAcreage	0.69	4.50
tblVehicleTrips	ST_TR	6.42	4.49
tblVehicleTrips	ST_TR	1.74	2.87
tblVehicleTrips	SU_TR	5.09	4.49
tblVehicleTrips	SU_TR	1.74	2.87
tblVehicleTrips	WD_TR	3.93	4.49
tblVehicleTrips	WD_TR	1.74	2.87

2.0 Emissions Summary

Maverik - Light Industrial - Kings County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

2.1 Overall Construction

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2024	0.7159	1.9893	2.2813	4.4200e-003	0.2317	0.0864	0.3181	0.0889	0.0808	0.1698	0.0000	387.1502	387.1502	0.0849	5.5100e-003	390.9134
2025	0.1990	2.3200e-003	3.9600e-003	1.0000e-005	1.3000e-004	1.0000e-004	2.3000e-004	3.0000e-005	1.0000e-004	1.4000e-004	0.0000	0.6053	0.6053	3.0000e-005	0.0000	0.6068
Maximum	**0.7159**	**1.9893**	**2.2813**	**4.4200e-003**	**0.2317**	**0.0864**	**0.3181**	**0.0889**	**0.0808**	**0.1698**	**0.0000**	**387.1502**	**387.1502**	**0.0849**	**5.5100e-003**	**390.9134**

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2024	0.7159	1.9893	2.2812	4.4200e-003	0.1206	0.0864	0.2069	0.0429	0.0808	0.1237	0.0000	387.1498	387.1498	0.0849	5.5100e-003	390.9130
2025	0.1990	2.3200e-003	3.9600e-003	1.0000e-005	1.3000e-004	1.0000e-004	2.3000e-004	3.0000e-005	1.0000e-004	1.4000e-004	0.0000	0.6053	0.6053	3.0000e-005	0.0000	0.6068
Maximum	**0.7159**	**1.9893**	**2.2812**	**4.4200e-003**	**0.1206**	**0.0864**	**0.2069**	**0.0429**	**0.0808**	**0.1237**	**0.0000**	**387.1498**	**387.1498**	**0.0849**	**5.5100e-003**	**390.9130**

Maverik - Light Industrial - Kings County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**47.93**	**0.00**	**34.91**	**51.78**	**0.00**	**27.12**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
1	**1-3-2024**	**4-2-2024**	0.7663	0.7663
2	**4-3-2024**	**7-2-2024**	0.5144	0.5144
3	**7-3-2024**	**10-2-2024**	0.5201	0.5201
4	**10-3-2024**	**1-2-2025**	0.9688	0.9688
5	**1-3-2025**	**4-2-2025**	0.1438	0.1438
		Highest	0.9688	0.9688

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	0.4602	1.0000e-005	9.2000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	1.7900e-003	1.7900e-003	0.0000	0.0000	1.9000e-003
Energy	0.0107	0.0974	0.0818	5.8000e-004		7.4000e-003	7.4000e-003		7.4000e-003	7.4000e-003	0.0000	187.5192	187.5192	0.0152	3.5400e-003	188.9552
Mobile	0.1899	0.3735	1.7855	4.4900e-003	0.4405	4.1900e-003	0.4447	0.1177	3.9400e-003	0.1217	0.0000	415.7734	415.7734	0.0204	0.0246	423.6104
Waste						0.0000	0.0000		0.0000	0.0000	23.3440	0.0000	23.3440	1.3796	0.0000	57.8337
Water						0.0000	0.0000		0.0000	0.0000	7.3365	11.5774	18.9139	0.7554	0.0180	43.1688
Total	**0.6608**	**0.4709**	**1.8683**	**5.0700e-003**	**0.4405**	**0.0116**	**0.4521**	**0.1177**	**0.0113**	**0.1291**	**30.6805**	**614.8718**	**645.5523**	**2.1706**	**0.0462**	**713.5700**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

2.2 Overall Operational

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	0.4602	1.0000e-005	9.0000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	1.7600e-003	1.7600e-003	0.0000	0.0000	1.8800e-003
Energy	0.0107	0.0974	0.0818	5.8000e-004		7.4000e-003	7.4000e-003		7.4000e-003	7.4000e-003	0.0000	187.5192	187.5192	0.0152	3.5400e-003	188.9552
Mobile	0.1899	0.3735	1.7855	4.4900e-003	0.4405	4.1900e-003	0.4447	0.1177	3.9400e-003	0.1217	0.0000	415.7734	415.7734	0.0204	0.0246	423.6104
Waste						0.0000	0.0000		0.0000	0.0000	23.3440	0.0000	23.3440	1.3796	0.0000	57.8337
Water						0.0000	0.0000		0.0000	0.0000	7.3365	11.5774	18.9139	0.7554	0.0180	43.1688
Total	**0.6608**	**0.4709**	**1.8682**	**5.0700e-003**	**0.4405**	**0.0116**	**0.4521**	**0.1177**	**0.0113**	**0.1291**	**30.6805**	**614.8718**	**645.5523**	**2.1706**	**0.0462**	**713.5699**

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

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Site Preparation	Site Preparation	1/3/2024	1/11/2024	5	7	
2	Grading	Grading	1/12/2024	2/9/2024	5	21	
3	Building Construction	Building Construction	2/10/2024	11/27/2024	5	208	

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

4	Paving	Paving	11/28/2024	12/17/2024	5	14	
5	Architectural Coating	Architectural Coating	12/18/2024	1/6/2025	5	14	

Acres of Grading (Site Preparation Phase): 15

Acres of Grading (Grading Phase): 90

Acres of Paving: 0

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 150,000; Non-Residential Outdoor: 50,000; Striped Parking Area: 0 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Site Preparation	Rubber Tired Dozers	3	8.00	247	0.40
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Grading	Excavators	2	8.00	158	0.38
Grading	Graders	1	8.00	187	0.41
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Grading	Scrapers	2	8.00	367	0.48
Grading	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Building Construction	Cranes	1	7.00	231	0.29
Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45
Paving	Pavers	2	8.00	130	0.42
Paving	Paving Equipment	2	8.00	132	0.36
Paving	Rollers	2	8.00	80	0.38
Architectural Coating	Air Compressors	1	6.00	78	0.48

Trips and VMT

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Site Preparation	7	18.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Grading	8	20.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	42.00	16.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	8.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Water Exposed Area

Reduce Vehicle Speed on Unpaved Roads

3.2 Site Preparation - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0712	0.0000	0.0712	0.0356	0.0000	0.0356	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	9.3100e-003	0.0951	0.0642	1.3000e-004		4.3000e-003	4.3000e-003		3.9600e-003	3.9600e-003	0.0000	11.7100	11.7100	3.7900e-003	0.0000	11.8047
Total	**9.3100e-003**	**0.0951**	**0.0642**	**1.3000e-004**	**0.0712**	**4.3000e-003**	**0.0755**	**0.0356**	**3.9600e-003**	**0.0396**	**0.0000**	**11.7100**	**11.7100**	**3.7900e-003**	**0.0000**	**11.8047**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.2 Site Preparation - 2024

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.8000e-004	1.2000e-004	1.4400e-003	0.0000	5.1000e-004	0.0000	5.1000e-004	1.3000e-004	0.0000	1.4000e-004	0.0000	0.3855	0.3855	1.0000e-005	1.0000e-005	0.3890
Total	**1.8000e-004**	**1.2000e-004**	**1.4400e-003**	**0.0000**	**5.1000e-004**	**0.0000**	**5.1000e-004**	**1.3000e-004**	**0.0000**	**1.4000e-004**	**0.0000**	**0.3855**	**0.3855**	**1.0000e-005**	**1.0000e-005**	**0.3890**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0278	0.0000	0.0278	0.0139	0.0000	0.0139	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	9.3100e-003	0.0951	0.0642	1.3000e-004		4.3000e-003	4.3000e-003		3.9600e-003	3.9600e-003	0.0000	11.7100	11.7100	3.7900e-003	0.0000	11.8046
Total	**9.3100e-003**	**0.0951**	**0.0642**	**1.3000e-004**	**0.0278**	**4.3000e-003**	**0.0321**	**0.0139**	**3.9600e-003**	**0.0179**	**0.0000**	**11.7100**	**11.7100**	**3.7900e-003**	**0.0000**	**11.8046**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.2 Site Preparation - 2024

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.8000e-004	1.2000e-004	1.4400e-003	0.0000	5.1000e-004	0.0000	5.1000e-004	1.3000e-004	0.0000	1.4000e-004	0.0000	0.3855	0.3855	1.0000e-005	1.0000e-005	0.3890
Total	**1.8000e-004**	**1.2000e-004**	**1.4400e-003**	**0.0000**	**5.1000e-004**	**0.0000**	**5.1000e-004**	**1.3000e-004**	**0.0000**	**1.4000e-004**	**0.0000**	**0.3855**	**0.3855**	**1.0000e-005**	**1.0000e-005**	**0.3890**

3.3 Grading - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.1110	0.0000	0.1110	0.0399	0.0000	0.0399	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0338	0.3400	0.2911	6.5000e-004		0.0140	0.0140		0.0129	0.0129	0.0000	57.2455	57.2455	0.0185	0.0000	57.7084
Total	**0.0338**	**0.3400**	**0.2911**	**6.5000e-004**	**0.1110**	**0.0140**	**0.1250**	**0.0399**	**0.0129**	**0.0528**	**0.0000**	**57.2455**	**57.2455**	**0.0185**	**0.0000**	**57.7084**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.3 Grading - 2024

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	5.9000e-004	3.8000e-004	4.7900e-003	1.0000e-005	1.6900e-003	1.0000e-005	1.7000e-003	4.5000e-004	1.0000e-005	4.6000e-004	0.0000	1.2849	1.2849	4.0000e-005	4.0000e-005	1.2965
Total	**5.9000e-004**	**3.8000e-004**	**4.7900e-003**	**1.0000e-005**	**1.6900e-003**	**1.0000e-005**	**1.7000e-003**	**4.5000e-004**	**1.0000e-005**	**4.6000e-004**	**0.0000**	**1.2849**	**1.2849**	**4.0000e-005**	**4.0000e-005**	**1.2965**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0433	0.0000	0.0433	0.0156	0.0000	0.0156	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0338	0.3400	0.2911	6.5000e-004		0.0140	0.0140		0.0129	0.0129	0.0000	57.2454	57.2454	0.0185	0.0000	57.7083
Total	**0.0338**	**0.3400**	**0.2911**	**6.5000e-004**	**0.0433**	**0.0140**	**0.0573**	**0.0156**	**0.0129**	**0.0285**	**0.0000**	**57.2454**	**57.2454**	**0.0185**	**0.0000**	**57.7083**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.3 Grading - 2024

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	5.9000e-004	3.8000e-004	4.7900e-003	1.0000e-005	1.6900e-003	1.0000e-005	1.7000e-003	4.5000e-004	1.0000e-005	4.6000e-004	0.0000	1.2849	1.2849	4.0000e-005	4.0000e-005	1.2965
Total	**5.9000e-004**	**3.8000e-004**	**4.7900e-003**	**1.0000e-005**	**1.6900e-003**	**1.0000e-005**	**1.7000e-003**	**4.5000e-004**	**1.0000e-005**	**4.6000e-004**	**0.0000**	**1.2849**	**1.2849**	**4.0000e-005**	**4.0000e-005**	**1.2965**

3.4 Building Construction - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1530	1.3982	1.6814	2.8000e-003		0.0638	0.0638		0.0600	0.0600	0.0000	241.1231	241.1231	0.0570	0.0000	242.5485
Total	**0.1530**	**1.3982**	**1.6814**	**2.8000e-003**		**0.0638**	**0.0638**		**0.0600**	**0.0600**	**0.0000**	**241.1231**	**241.1231**	**0.0570**	**0.0000**	**242.5485**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.4 Building Construction - 2024

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	1.9800e-003	0.0745	0.0239	3.4000e-004	0.0111	4.9000e-004	0.0116	3.2000e-003	4.7000e-004	3.6700e-003	0.0000	32.4925	32.4925	1.2000e-004	4.6900e-003	33.8927
Worker	0.0122	7.9900e-003	0.0997	2.9000e-004	0.0351	1.7000e-004	0.0353	9.3200e-003	1.6000e-004	9.4800e-003	0.0000	26.7263	26.7263	7.7000e-004	7.5000e-004	26.9681
Total	**0.0142**	**0.0825**	**0.1237**	**6.3000e-004**	**0.0462**	**6.6000e-004**	**0.0468**	**0.0125**	**6.3000e-004**	**0.0132**	**0.0000**	**59.2189**	**59.2189**	**8.9000e-004**	**5.4400e-003**	**60.8608**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1530	1.3982	1.6814	2.8000e-003		0.0638	0.0638		0.0600	0.0600	0.0000	241.1228	241.1228	0.0570	0.0000	242.5483
Total	**0.1530**	**1.3982**	**1.6814**	**2.8000e-003**		**0.0638**	**0.0638**		**0.0600**	**0.0600**	**0.0000**	**241.1228**	**241.1228**	**0.0570**	**0.0000**	**242.5483**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.4 Building Construction - 2024

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	1.9800e-003	0.0745	0.0239	3.4000e-004	0.0111	4.9000e-004	0.0116	3.2000e-003	4.7000e-004	3.6700e-003	0.0000	32.4925	32.4925	1.2000e-004	4.6900e-003	33.8927
Worker	0.0122	7.9900e-003	0.0997	2.9000e-004	0.0351	1.7000e-004	0.0353	9.3200e-003	1.6000e-004	9.4800e-003	0.0000	26.7263	26.7263	7.7000e-004	7.5000e-004	26.9681
Total	**0.0142**	**0.0825**	**0.1237**	**6.3000e-004**	**0.0462**	**6.6000e-004**	**0.0468**	**0.0125**	**6.3000e-004**	**0.0132**	**0.0000**	**59.2189**	**59.2189**	**8.9000e-004**	**5.4400e-003**	**60.8608**

3.5 Paving - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	6.9200e-003	0.0667	0.1024	1.6000e-004		3.2800e-003	3.2800e-003		3.0200e-003	3.0200e-003	0.0000	14.0186	14.0186	4.5300e-003	0.0000	14.1319
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**6.9200e-003**	**0.0667**	**0.1024**	**1.6000e-004**		**3.2800e-003**	**3.2800e-003**		**3.0200e-003**	**3.0200e-003**	**0.0000**	**14.0186**	**14.0186**	**4.5300e-003**	**0.0000**	**14.1319**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.5 Paving - 2024

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.9000e-004	1.9000e-004	2.4000e-003	1.0000e-005	8.4000e-004	0.0000	8.5000e-004	2.2000e-004	0.0000	2.3000e-004	0.0000	0.6425	0.6425	2.0000e-005	2.0000e-005	0.6483
Total	**2.9000e-004**	**1.9000e-004**	**2.4000e-003**	**1.0000e-005**	**8.4000e-004**	**0.0000**	**8.5000e-004**	**2.2000e-004**	**0.0000**	**2.3000e-004**	**0.0000**	**0.6425**	**0.6425**	**2.0000e-005**	**2.0000e-005**	**0.6483**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	6.9200e-003	0.0667	0.1024	1.6000e-004		3.2800e-003	3.2800e-003		3.0200e-003	3.0200e-003	0.0000	14.0186	14.0186	4.5300e-003	0.0000	14.1319
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**6.9200e-003**	**0.0667**	**0.1024**	**1.6000e-004**		**3.2800e-003**	**3.2800e-003**		**3.0200e-003**	**3.0200e-003**	**0.0000**	**14.0186**	**14.0186**	**4.5300e-003**	**0.0000**	**14.1319**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.5 Paving - 2024

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.9000e-004	1.9000e-004	2.4000e-003	1.0000e-005	8.4000e-004	0.0000	8.5000e-004	2.2000e-004	0.0000	2.3000e-004	0.0000	0.6425	0.6425	2.0000e-005	2.0000e-005	0.6483
Total	**2.9000e-004**	**1.9000e-004**	**2.4000e-003**	**1.0000e-005**	**8.4000e-004**	**0.0000**	**8.5000e-004**	**2.2000e-004**	**0.0000**	**2.3000e-004**	**0.0000**	**0.6425**	**0.6425**	**2.0000e-005**	**2.0000e-005**	**0.6483**

3.6 Architectural Coating - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.4966					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	9.0000e-004	6.0900e-003	9.0500e-003	1.0000e-005		3.0000e-004	3.0000e-004		3.0000e-004	3.0000e-004	0.0000	1.2766	1.2766	7.0000e-005	0.0000	1.2784
Total	**0.4975**	**6.0900e-003**	**9.0500e-003**	**1.0000e-005**		**3.0000e-004**	**3.0000e-004**		**3.0000e-004**	**3.0000e-004**	**0.0000**	**1.2766**	**1.2766**	**7.0000e-005**	**0.0000**	**1.2784**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.6 Architectural Coating - 2024

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.1000e-004	7.0000e-005	9.1000e-004	0.0000	3.2000e-004	0.0000	3.2000e-004	9.0000e-005	0.0000	9.0000e-005	0.0000	0.2448	0.2448	1.0000e-005	1.0000e-005	0.2470
Total	**1.1000e-004**	**7.0000e-005**	**9.1000e-004**	**0.0000**	**3.2000e-004**	**0.0000**	**3.2000e-004**	**9.0000e-005**	**0.0000**	**9.0000e-005**	**0.0000**	**0.2448**	**0.2448**	**1.0000e-005**	**1.0000e-005**	**0.2470**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.4966					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	9.0000e-004	6.0900e-003	9.0500e-003	1.0000e-005		3.0000e-004	3.0000e-004		3.0000e-004	3.0000e-004	0.0000	1.2766	1.2766	7.0000e-005	0.0000	1.2784
Total	**0.4975**	**6.0900e-003**	**9.0500e-003**	**1.0000e-005**		**3.0000e-004**	**3.0000e-004**		**3.0000e-004**	**3.0000e-004**	**0.0000**	**1.2766**	**1.2766**	**7.0000e-005**	**0.0000**	**1.2784**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.6 Architectural Coating - 2024

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.1000e-004	7.0000e-005	9.1000e-004	0.0000	3.2000e-004	0.0000	3.2000e-004	9.0000e-005	0.0000	9.0000e-005	0.0000	0.2448	0.2448	1.0000e-005	1.0000e-005	0.2470
Total	**1.1000e-004**	**7.0000e-005**	**9.1000e-004**	**0.0000**	**3.2000e-004**	**0.0000**	**3.2000e-004**	**9.0000e-005**	**0.0000**	**9.0000e-005**	**0.0000**	**0.2448**	**0.2448**	**1.0000e-005**	**1.0000e-005**	**0.2470**

3.6 Architectural Coating - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.1986					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	3.4000e-004	2.2900e-003	3.6200e-003	1.0000e-005		1.0000e-004	1.0000e-004		1.0000e-004	1.0000e-004	0.0000	0.5107	0.5107	3.0000e-005	0.0000	0.5114
Total	**0.1990**	**2.2900e-003**	**3.6200e-003**	**1.0000e-005**		**1.0000e-004**	**1.0000e-004**		**1.0000e-004**	**1.0000e-004**	**0.0000**	**0.5107**	**0.5107**	**3.0000e-005**	**0.0000**	**0.5114**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.6 Architectural Coating - 2025

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	4.0000e-005	3.0000e-005	3.4000e-004	0.0000	1.3000e-004	0.0000	1.3000e-004	3.0000e-005	0.0000	3.0000e-005	0.0000	0.0946	0.0946	0.0000	0.0000	0.0954
Total	**4.0000e-005**	**3.0000e-005**	**3.4000e-004**	**0.0000**	**1.3000e-004**	**0.0000**	**1.3000e-004**	**3.0000e-005**	**0.0000**	**3.0000e-005**	**0.0000**	**0.0946**	**0.0946**	**0.0000**	**0.0000**	**0.0954**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.1986					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	3.4000e-004	2.2900e-003	3.6200e-003	1.0000e-005		1.0000e-004	1.0000e-004		1.0000e-004	1.0000e-004	0.0000	0.5107	0.5107	3.0000e-005	0.0000	0.5114
Total	**0.1990**	**2.2900e-003**	**3.6200e-003**	**1.0000e-005**		**1.0000e-004**	**1.0000e-004**		**1.0000e-004**	**1.0000e-004**	**0.0000**	**0.5107**	**0.5107**	**3.0000e-005**	**0.0000**	**0.5114**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.6 Architectural Coating - 2025

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	4.0000e-005	3.0000e-005	3.4000e-004	0.0000	1.3000e-004	0.0000	1.3000e-004	3.0000e-005	0.0000	3.0000e-005	0.0000	0.0946	0.0946	0.0000	0.0000	0.0954
Total	**4.0000e-005**	**3.0000e-005**	**3.4000e-004**	**0.0000**	**1.3000e-004**	**0.0000**	**1.3000e-004**	**3.0000e-005**	**0.0000**	**3.0000e-005**	**0.0000**	**0.0946**	**0.0946**	**0.0000**	**0.0000**	**0.0954**

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	0.1899	0.3735	1.7855	4.4900e-003	0.4405	4.1900e-003	0.4447	0.1177	3.9400e-003	0.1217	0.0000	415.7734	415.7734	0.0204	0.0246	423.6104
Unmitigated	0.1899	0.3735	1.7855	4.4900e-003	0.4405	4.1900e-003	0.4447	0.1177	3.9400e-003	0.1217	0.0000	415.7734	415.7734	0.0204	0.0246	423.6104

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
General Heavy Industry	314.30	314.30	314.30	917,602	917,602
Unrefrigerated Warehouse-No Rail	86.10	86.10	86.10	251,370	251,370
Total	400.40	400.40	400.40	1,168,972	1,168,972

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
General Heavy Industry	9.50	7.30	7.30	59.00	28.00	13.00	92	5	3
Unrefrigerated Warehouse-No	9.50	7.30	7.30	59.00	0.00	41.00	92	5	3

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
General Heavy Industry	0.509079	0.051904	0.169516	0.159109	0.028747	0.006626	0.008281	0.037038	0.000603	0.000188	0.024404	0.001123	0.003381
Unrefrigerated Warehouse-No Rail	0.509079	0.051904	0.169516	0.159109	0.028747	0.006626	0.008281	0.037038	0.000603	0.000188	0.024404	0.001123	0.003381

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Electricity Mitigated						0.0000	0.0000		0.0000	0.0000	0.0000	81.5227	81.5227	0.0132	1.6000e-003	82.3288
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	81.5227	81.5227	0.0132	1.6000e-003	82.3288
NaturalGas Mitigated	0.0107	0.0974	0.0818	5.8000e-004		7.4000e-003	7.4000e-003		7.4000e-003	7.4000e-003	0.0000	105.9965	105.9965	2.0300e-003	1.9400e-003	106.6264
NaturalGas Unmitigated	0.0107	0.0974	0.0818	5.8000e-004		7.4000e-003	7.4000e-003		7.4000e-003	7.4000e-003	0.0000	105.9965	105.9965	2.0300e-003	1.9400e-003	106.6264

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
General Heavy Industry	1.449e+006	7.8100e-003	0.0710	0.0597	4.3000e-004		5.4000e-003	5.4000e-003		5.4000e-003	5.4000e-003	0.0000	77.3242	77.3242	1.4800e-003	1.4200e-003	77.7837
Unrefrigerated Warehouse-No Rail	537300	2.9000e-003	0.0263	0.0221	1.6000e-004		2.0000e-003	2.0000e-003		2.0000e-003	2.0000e-003	0.0000	28.6724	28.6724	5.5000e-004	5.3000e-004	28.8428
Total		**0.0107**	**0.0974**	**0.0818**	**5.9000e-004**		**7.4000e-003**	**7.4000e-003**		**7.4000e-003**	**7.4000e-003**	**0.0000**	**105.9965**	**105.9965**	**2.0300e-003**	**1.9500e-003**	**106.6264**

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
General Heavy Industry	1.449e+006	7.8100e-003	0.0710	0.0597	4.3000e-004		5.4000e-003	5.4000e-003		5.4000e-003	5.4000e-003	0.0000	77.3242	77.3242	1.4800e-003	1.4200e-003	77.7837
Unrefrigerated Warehouse-No Rail	537300	2.9000e-003	0.0263	0.0221	1.6000e-004		2.0000e-003	2.0000e-003		2.0000e-003	2.0000e-003	0.0000	28.6724	28.6724	5.5000e-004	5.3000e-004	28.8428
Total		**0.0107**	**0.0974**	**0.0818**	**5.9000e-004**		**7.4000e-003**	**7.4000e-003**		**7.4000e-003**	**7.4000e-003**	**0.0000**	**105.9965**	**105.9965**	**2.0300e-003**	**1.9500e-003**	**106.6264**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

5.3 Energy by Land Use - Electricity

Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
General Heavy Industry	602700	55.7641	9.0200e-003	1.0900e-003	56.3155
Unrefrigerated Warehouse-No Rail	278400	25.7586	4.1700e-003	5.1000e-004	26.0133
Total		**81.5227**	**0.0132**	**1.6000e-003**	**82.3288**

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
General Heavy Industry	602700	55.7641	9.0200e-003	1.0900e-003	56.3155
Unrefrigerated Warehouse-No Rail	278400	25.7586	4.1700e-003	5.1000e-004	26.0133
Total		**81.5227**	**0.0132**	**1.6000e-003**	**82.3288**

6.0 Area Detail

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

6.1 Mitigation Measures Area

Use Electric Lawnmower

Use Electric Leafblower

Use Electric Chainsaw

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	0.4602	1.0000e-005	9.0000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	1.7600e-003	1.7600e-003	0.0000	0.0000	1.8800e-003
Unmitigated	0.4602	1.0000e-005	9.2000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	1.7900e-003	1.7900e-003	0.0000	0.0000	1.9000e-003

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.0695					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.3906					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	8.0000e-005	1.0000e-005	9.2000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	1.7900e-003	1.7900e-003	0.0000	0.0000	1.9000e-003
Total	**0.4602**	**1.0000e-005**	**9.2000e-004**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**	**1.7900e-003**	**1.7900e-003**	**0.0000**	**0.0000**	**1.9000e-003**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.0695					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.3906					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	8.0000e-005	1.0000e-005	9.0000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	1.7600e-003	1.7600e-003	0.0000	0.0000	1.8800e-003
Total	**0.4602**	**1.0000e-005**	**9.0000e-004**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**	**1.7600e-003**	**1.7600e-003**	**0.0000**	**0.0000**	**1.8800e-003**

7.0 Water Detail

7.1 Mitigation Measures Water

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	18.9139	0.7554	0.0180	43.1688
Unmitigated	18.9139	0.7554	0.0180	43.1688

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
General Heavy Industry	16.1875 / 0	13.2398	0.5288	0.0126	30.2181
Unrefrigerated Warehouse-No Rail	6.9375 / 0	5.6742	0.2266	5.4100e-003	12.9506
Total		**18.9139**	**0.7554**	**0.0180**	**43.1688**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

7.2 Water by Land Use

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
General Heavy Industry	16.1875 / 0	13.2398	0.5288	0.0126	30.2181
Unrefrigerated Warehouse-No Rail	6.9375 / 0	5.6742	0.2266	5.4100e-003	12.9506
Total		**18.9139**	**0.7554**	**0.0180**	**43.1688**

8.0 Waste Detail

8.1 Mitigation Measures Waste

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	23.3440	1.3796	0.0000	57.8337
Unmitigated	23.3440	1.3796	0.0000	57.8337

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
General Heavy Industry	86.8	17.6196	1.0413	0.0000	43.6519
Unrefrigerated Warehouse-No Rail	28.2	5.7244	0.3383	0.0000	14.1818
Total		**23.3440**	**1.3796**	**0.0000**	**57.8337**

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
General Heavy Industry	86.8	17.6196	1.0413	0.0000	43.6519
Unrefrigerated Warehouse-No Rail	28.2	5.7244	0.3383	0.0000	14.1818
Total		**23.3440**	**1.3796**	**0.0000**	**57.8337**

9.0 Operational Offroad

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

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

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

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

Boilers

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

User Defined Equipment

Equipment Type	Number

11.0 Vegetation

APPENDIX C. CARB 2020 AND 2025 ESTIMATED EMISSION INVENTORIES

2016 SIP Emission Projection Data

2020 Estimated Annual Average Emissions

SAN JOAQUIN VALLEY AIR BASIN

All emissions are represented in Tons per Day and reflect the most current data provided to ARB.

See detailed information.

Start a new query.

STATIONARY SOURCES	TOG	ROG	CO	NOX	SOX	PM	PM10	PM2.5	NH3
FUEL COMBUSTION	17.9	3.2	24.7	24.1	2.4	4.8	4.7	4.6	2.2
WASTE DISPOSAL	527.3	26.9	0.6	0.3	0.2	0.9	0.3	0.2	11.2
CLEANING AND SURFACE COATINGS	27.8	25.2	-	-	-	0.3	0.3	0.3	0.0
PETROLEUM PRODUCTION AND MARKETING	111.0	16.6	1.0	0.4	0.4	0.2	0.1	0.1	0.0
INDUSTRIAL PROCESSES	20.6	19.5	1.4	3.9	3.6	20.9	9.5	3.6	1.7
*** TOTAL STATIONARY SOURCES**	**704.7**	**91.3**	**27.7**	**28.6**	**6.5**	**27.2**	**14.9**	**8.7**	**15.2**
AREAWIDE SOURCES	**TOG**	**ROG**	**CO**	**NOX**	**SOX**	**PM**	**PM10**	**PM2.5**	**NH3**
SOLVENT EVAPORATION	55.0	49.9	-	-	-	-	-	-	113.1
MISCELLANEOUS PROCESSES	761.8	103.0	53.2	7.9	0.3	473.4	236.8	41.8	193.9
*** TOTAL AREAWIDE SOURCES**	**816.8**	**152.8**	**53.2**	**7.9**	**0.3**	**473.4**	**236.8**	**41.8**	**307.0**
MOBILE SOURCES	**TOG**	**ROG**	**CO**	**NOX**	**SOX**	**PM**	**PM10**	**PM2.5**	**NH3**
ON-ROAD MOTOR VEHICLES	27.3	24.9	167.9	96.9	0.6	7.8	7.6	3.4	3.6
OTHER MOBILE SOURCES	30.6	27.2	196.2	69.8	0.3	5.6	5.5	5.0	0.0
*** TOTAL MOBILE SOURCES**	**57.9**	**52.0**	**364.1**	**166.8**	**1.0**	**13.4**	**13.1**	**8.5**	**3.6**
GRAND TOTAL FOR SAN JOAQUIN VALLEY AIR BASIN	**1579.4**	**296.2**	**445.0**	**203.3**	**7.8**	**514.0**	**264.8**	**59.0**	**325.9**

Start a new query.

CONTACT US

(800) 242-4450 | helpline@arb.ca.gov
1001 I Street, Sacramento, CA 95814
P.O. Box 2815, Sacramento, CA 95812

2016 SIP Emission Projection Data

2020 Estimated Annual Average Emissions

KINGS COUNTY

All emissions are represented in Tons per Day and reflect the most current data provided to ARB.

See detailed information.

Start a new query.

STATIONARY SOURCES	TOG	ROG	CO	NOX	SOX	PM	PM10	PM2.5	NH3
FUEL COMBUSTION	1.1	0.2	1.0	0.9	0.1	0.1	0.1	0.1	0.0
WASTE DISPOSAL	59.9	1.8	0.0	0.0	0.0	0.0	0.0	0.0	0.2
CLEANING AND SURFACE COATINGS	0.6	0.5	-	-	-	0.0	0.0	0.0	0.0
PETROLEUM PRODUCTION AND MARKETING	8.7	0.3	-	-	0.0	-	-	-	-
INDUSTRIAL PROCESSES	0.7	0.7	-	-	-	1.4	0.6	0.1	0.0
*** TOTAL STATIONARY SOURCES**	**71.0**	**3.5**	**1.0**	**0.9**	**0.1**	**1.6**	**0.8**	**0.3**	**0.2**
AREAWIDE SOURCES	**TOG**	**ROG**	**CO**	**NOX**	**SOX**	**PM**	**PM10**	**PM2.5**	**NH3**
SOLVENT EVAPORATION	2.6	2.4	-	-	-	-	-	-	7.5
MISCELLANEOUS PROCESSES	76.0	10.2	1.1	0.2	0.0	41.4	20.0	3.0	20.9
*** TOTAL AREAWIDE SOURCES**	**78.6**	**12.7**	**1.1**	**0.2**	**0.0**	**41.4**	**20.0**	**3.0**	**28.3**
MOBILE SOURCES	**TOG**	**ROG**	**CO**	**NOX**	**SOX**	**PM**	**PM10**	**PM2.5**	**NH3**
ON-ROAD MOTOR VEHICLES	1.1	1.0	6.5	4.8	0.0	0.3	0.3	0.1	0.1
OTHER MOBILE SOURCES	4.6	4.4	24.2	7.1	0.1	1.7	1.7	1.6	0.0
*** TOTAL MOBILE SOURCES**	**5.7**	**5.4**	**30.7**	**11.9**	**0.1**	**2.0**	**2.0**	**1.8**	**0.1**
GRAND TOTAL FOR KINGS COUNTY	**155.3**	**21.6**	**32.7**	**13.0**	**0.2**	**45.0**	**22.7**	**5.0**	**28.7**

Start a new query.

CONTACT US

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P.O. Box 2815, Sacramento, CA 95812

2016 SIP Emission Projection Data

2025 Estimated Annual Average Emissions

SAN JOAQUIN VALLEY AIR BASIN

All emissions are represented in Tons per Day and reflect the most current data provided to ARB.

See detailed information.

Start a new query.

STATIONARY SOURCES	TOG	ROG	CO	NOX	SOX	PM	PM10	PM2.5	NH3
FUEL COMBUSTION	17.7	3.0	24.6	23.0	2.4	4.7	4.6	4.5	2.3
WASTE DISPOSAL	572.3	29.2	0.6	0.3	0.2	1.0	0.3	0.2	12.2
CLEANING AND SURFACE COATINGS	30.8	27.9	-	-	-	0.4	0.4	0.3	0.0
PETROLEUM PRODUCTION AND MARKETING	109.5	15.1	0.9	0.3	0.4	0.2	0.1	0.1	0.0
INDUSTRIAL PROCESSES	22.4	21.1	1.6	4.2	3.8	22.6	10.3	3.9	1.9
*** TOTAL STATIONARY SOURCES**	**752.7**	**96.4**	**27.7**	**27.7**	**6.8**	**28.9**	**15.7**	**9.0**	**16.4**
AREAWIDE SOURCES	**TOG**	**ROG**	**CO**	**NOX**	**SOX**	**PM**	**PM10**	**PM2.5**	**NH3**
SOLVENT EVAPORATION	57.5	52.0	-	-	-	-	-	-	109.9
MISCELLANEOUS PROCESSES	761.9	103.0	53.2	7.4	0.3	469.2	234.9	41.9	194.5
*** TOTAL AREAWIDE SOURCES**	**819.4**	**155.0**	**53.2**	**7.4**	**0.3**	**469.2**	**234.9**	**41.9**	**304.4**
MOBILE SOURCES	**TOG**	**ROG**	**CO**	**NOX**	**SOX**	**PM**	**PM10**	**PM2.5**	**NH3**
ON-ROAD MOTOR VEHICLES	20.5	18.8	118.9	54.2	0.6	7.9	7.7	3.2	3.4
OTHER MOBILE SOURCES	26.8	23.9	200.1	54.4	0.3	4.7	4.6	4.2	0.0
*** TOTAL MOBILE SOURCES**	**47.3**	**42.7**	**319.0**	**108.6**	**0.9**	**12.6**	**12.3**	**7.5**	**3.5**
GRAND TOTAL FOR SAN JOAQUIN VALLEY AIR BASIN	**1619.4**	**294.1**	**399.9**	**143.7**	**8.0**	**510.7**	**262.8**	**58.3**	**324.3**

Start a new query.

CONTACT US

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1001 I Street, Sacramento, CA 95814
P.O. Box 2815, Sacramento, CA 95812

2016 SIP Emission Projection Data

2025 Estimated Annual Average Emissions

KINGS COUNTY

All emissions are represented in Tons per Day and reflect the most current data provided to ARB.

See detailed information.

Start a new query.

KINGS COUNTY COUNTY - SAN JOAQUIN VALLEY AIR BASIN

STATIONARY SOURCES	TOG	ROG	CO	NOX	SOX	PM	PM10	PM2.5	NH3
FUEL COMBUSTION	1.1	0.2	1.0	0.8	0.1	0.1	0.1	0.1	0.0
WASTE DISPOSAL	64.5	1.9	0.0	0.0	0.0	0.0	0.0	0.0	0.2
CLEANING AND SURFACE COATINGS	0.7	0.6	-	-	-	0.0	0.0	0.0	0.0
PETROLEUM PRODUCTION AND MARKETING	8.8	0.3	-	-	0.0	-	-	-	-
INDUSTRIAL PROCESSES	0.8	0.8	-	-	-	1.5	0.7	0.1	0.0
*** TOTAL STATIONARY SOURCES**	**75.7**	**3.7**	**1.0**	**0.8**	**0.1**	**1.7**	**0.8**	**0.3**	**0.3**
AREAWIDE SOURCES	**TOG**	**ROG**	**CO**	**NOX**	**SOX**	**PM**	**PM10**	**PM2.5**	**NH3**
SOLVENT EVAPORATION	2.6	2.4	-	-	-	-	-	-	6.7
MISCELLANEOUS PROCESSES	76.0	10.2	1.0	0.2	0.0	34.3	16.5	2.6	20.9
*** TOTAL AREAWIDE SOURCES**	**78.6**	**12.6**	**1.0**	**0.2**	**0.0**	**34.3**	**16.5**	**2.6**	**27.6**
MOBILE SOURCES	**TOG**	**ROG**	**CO**	**NOX**	**SOX**	**PM**	**PM10**	**PM2.5**	**NH3**
ON-ROAD MOTOR VEHICLES	0.8	0.8	4.6	2.6	0.0	0.3	0.3	0.1	0.1
OTHER MOBILE SOURCES	4.4	4.3	24.3	6.2	0.1	1.7	1.6	1.6	0.0
*** TOTAL MOBILE SOURCES**	**5.3**	**5.1**	**29.0**	**8.8**	**0.1**	**2.0**	**1.9**	**1.7**	**0.1**
TOTAL KINGS COUNTY IN SAN JOAQUIN VALLEY	**159.6**	**21.4**	**31.0**	**9.8**	**0.2**	**37.9**	**19.3**	**4.6**	**28.0**
GRAND TOTAL FOR KINGS COUNTY	**159.6**	**21.4**	**31.0**	**9.8**	**0.2**	**37.9**	**19.3**	**4.6**	**28.0**

Start a new query.

APPENDIX D. HEALTH RISK ASSESSMENT MODELING FILES

(Electric Files)

APPENDIX B

CULTURAL RESOURCE RECORDS SEARCH

TECHNICAL MEMORANDUM

Date: March 2, 2023

Project: Cultural resources records search- Maverik Truck Stop Project, Lemoore, Kings County (QK Project #220333.02), Kings County, CA

To: Jaymie Brauer, Principal Planner

From: Robert Parr, MS, RPA, Senior Archaeologist

Subject: Cultural Resources Records Search Results (RS#23-078)

Background

A cultural resources records search (#23-078) was conducted at the Southern San Joaquin Valley Information Center (IC), CSU Bakersfield for the above referenced Project in the City of Lemoore, Kings County to determine whether the proposed project would impact cultural resources.

Project Location

The Project is located in Kings County, California (Attachment A: Figures 1-4). The Project site is within Section 10, T.19S, R.20E and the Lemoore USGS quad.

Project Description

The Project requests a Zone Change/General Plan Amendment from Mixed Use to Regional Commercial for an approximately 4.13-acre portion of the site and approval of a Conditional Use Permit to allow for the construction and development of a gas station/mini-mart. The project would include an 8,952-square-foot building with fuel canopies for gas and diesel pumps. In the future, a fast-food restaurant with a drive-through lane would be developed. Development of the gas station/mini-mart is anticipated to occur over a six-month period.

The remaining easterly portion of the site would change from Mixed Use to Light Industrial to allow for the development of an industrial park to accommodate future compatible uses. The site would be divided into 23 separate lots with the approval of a subdivision map.

Results

The records search covered an area within one-half mile of the Project and included a review of the *National Register of Historic Places, California Points of Historical Interest, California Registry of Historic Resources, California Historical Landmarks, California State Historic Resources Inventory*, and a review of cultural resource reports on file.

The records search indicated that approximately 11 acres of the northwest portion of the subject property previously had been surveyed for cultural resources as part of a California Department of

Transportation (Caltrans) project (Hattersley-Drayton 2002; Ryan 2002; Ryan and Hattersley-Drayton 2002). One historical resource has been recorded on the property near its southern boundary. This was a wooden dairy barn dating to the early decades of the 20th century. According to a site record (P-16-000197) prepared by Caltrans historic property evaluators in August 2000, the barn was judged ineligible for listing on State or federal registers (Ryan and Hattersley-Drayton 2002). Google Earth satellite imagery dated April 2021 indicates that the barn is no longer extant on the property.

Nine additional cultural resource studies have been conducted within a half mile of the project (Chavez 1978; Wren 1989; Kus and Mader 1991, 1992; Riley 1991; Bissonnette 1992; Clement 1992; Kus 1992; Abeyta 2000; Chandler 2003; Peak 2007). One historic period cultural resource, a single-family residence (P-16-000269), has been recorded within one half mile of the project. No prehistoric cultural resources have been identified within a half mile radius. A Sacred Lands File request was also submitted to the Native American Heritage Commission. A response dated March 15, 2023 indicates positive results (see Attachment B). The lead agency will consult with the appropriate tribal representatives to determine any additional actions that need to be taken.

Conclusions

Based on the results of cultural records search findings and the lack of historical or archaeological resources previously identified within a half mile radius of the proposed Project, the potential to encounter subsurface cultural resources is minimal. Additionally, the Project construction would be conducted within the partially developed and previously disturbed parcel. The potential to uncover subsurface historical or archaeological deposits would be considered unlikely.

However, there is still a possibility that historical or archaeological materials may be exposed during construction. Grading and trenching, as well as other ground-disturbing actions have the potential to damage or destroy these previously unidentified and potentially significant cultural resources within the project area, including historical or archaeological resources. Disturbance of any deposits that have the potential to provide significant cultural data would be considered a significant impact. To reduce the potential impacts of the Project on cultural resources, the following measures are recommended to be included as Conditions of Approval. With implementation of CUL-1 and CUL-2, the Project would have a less than significant impact related to cultural resources.

CUL-1: If prehistoric or historic-era cultural materials are encountered during construction activities, all work in the immediate vicinity of the find shall halt until a qualified archaeologist can evaluate the find and make recommendations. Cultural resource materials may include prehistoric resources such as flaked and ground stone tools and debris, shell, bone, ceramics, and fire-affected rock as well as historic resources such as glass, metal, wood, brick, or structural

remnants. If the qualified archaeologist determines that the discovery represents a potentially significant cultural resource, additional investigations may be required to mitigate adverse impacts from Project implementation. These additional studies may include avoidance, testing, and evaluation or data recovery excavation. Implementation of the mitigation measure below would ensure that the proposed Project would not cause a substantial adverse change in the significance of a historical resource.

CUL-2: If human remains are discovered during construction or operational activities, further excavation or disturbance shall be prohibited pursuant to Section 7050.5 of the California Health and Safety Code. The specific protocol, guidelines, and channels of communication outlined by the Native American Heritage Commission, in accordance with Section 7050.5 of the Health and Safety Code, Section 5097.98 of the Public Resources Code (Chapter 1492, Statutes of 1982, Senate Bill 297), and Senate Bill 447 (Chapter 44, Statutes of 1987), shall be followed. Section 7050.5(c) shall guide the potential Native American involvement, in the event of discovery of human remains, at the direction of the county coroner.

Robert E. Parr, MS, RPA
Senior Archaeologist

Attachment A- Figures
Attachment B- Sacred Lands File Response by the Native American Heritage Commission

References

(all reports on file at the Southern San Joaquin Valley Information Center, California State University, Bakersfield)

Abeyta, Daniel
2000 Section 106 Environmental Review of an Existing Cellular Tower 4706/Lemoore. (KI-00115)

Bissonnette, Linda Dick
1992 Cultural Resources Assessment Single-Family Residential Development Tract #656 Lemoore, Northwest of Iona Avenue and Vine Street, Kings County. (KI-00008)

Chandler, Sue
2003 Application for a Guarantee Loan on Behalf of Lemoore Hospitality, LLC, Lemoore, Kings County. (KI-00153)

Chavez, David
1978 Cultural Resources Evaluation for the South Lemoore, Central Union School and Santa Rosa Rancheria Wastewater Project, Kings County, California. (KI-00011)

Clement, Dorene
1992 Historical Architectural Survey Report for New Alignment for Route 41 Lemoore, Kings County 06-Kin-41, P.M. 39.4/42.0 06-293500. (KI-00019B)

Hattersley-Drayton, Karana
2002 Historic Property Survey Report: 19th Avenue Interchange Project, State Route 198 Kings County, California 06-Kin-198 PM 8.68/10.08 06-32550. (KI-00119A)

Kus, James S.
1992 Historic Property Survey Report 6-Kin-41 39.4/42.0 293500 for the Construction of a Four Lane Expressway in Lemoore. (KI-00019)

Kus, James S. and Claudia A. Mader
1991 Negative Archaeological Survey Report for 6-Kin-41 39.4/42.0 293500. (KI-00019A)

1992 Negative Archaeological Survey Report for 6-KIN-41 39.4/42.0 293500. (KI-00037)

Peak, Melinda A.
2007 Determination of Eligibility and Effect for the Montgomery Crossing Apartments Project, City of Lemoore, Kings County, California. (KI-00214)

Riley, Lynn
1991 Negative Archaeological Survey Report: 06-KIN-43 P.M. 23.5/26.8 312600. (KI-00049)

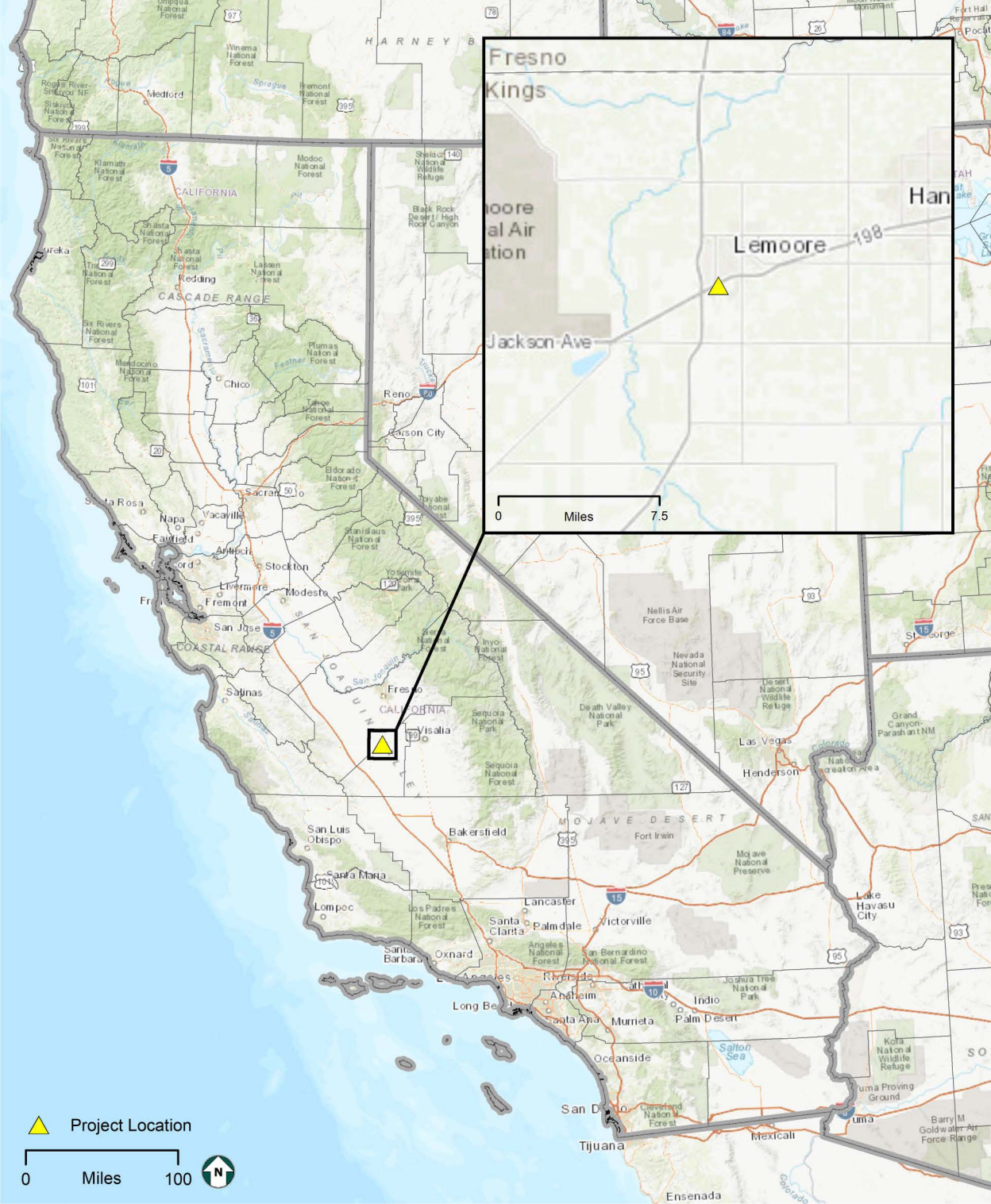
Ryan, Christopher
2002 Negative Archaeological Survey Report for the 19th Avenue Interchange Project, State Route 198, Kings County 06-Kin-198 PM 8.68/10.08 06-32550. (KI-00119B)

Ryan, C. and K. Hattersley-Drayton
2002 Historic Property Survey Report: 19th Avenue Interchange Project, State Route 198 Kings County, California 06-Kin-198 PM 8.68/10.08 06-32550. (KI-00119)

Wren, Donald
1989 An Archaeological Reconnaissance for a Proposed Tomato Paste Plant Lemoore, California. (KI-00068)

TECHNICAL MEMORANDUM

Attachment A-
Figures


Fresno
Kings
Lemoore
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Jackson Ave
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Miles
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Project Location
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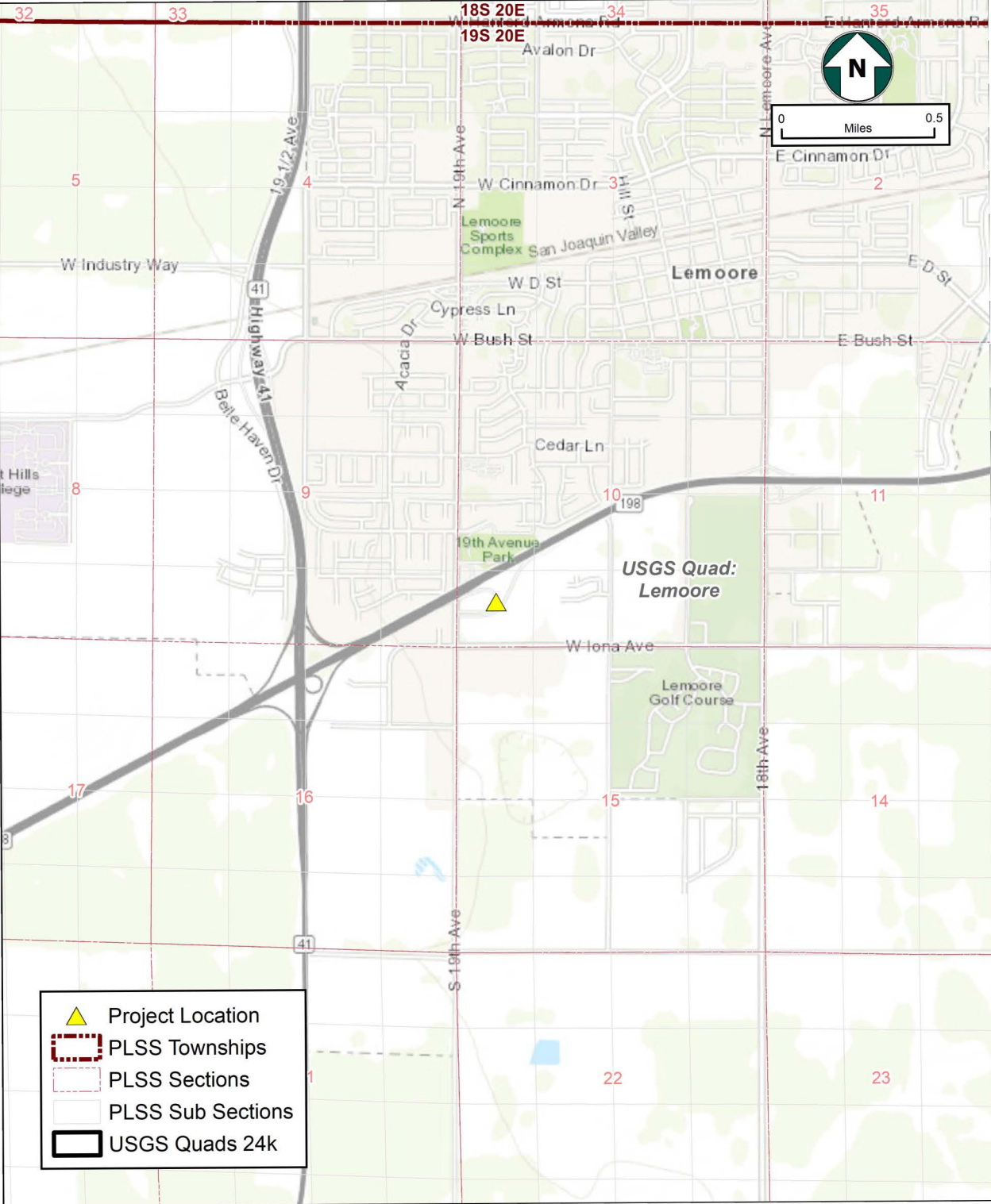
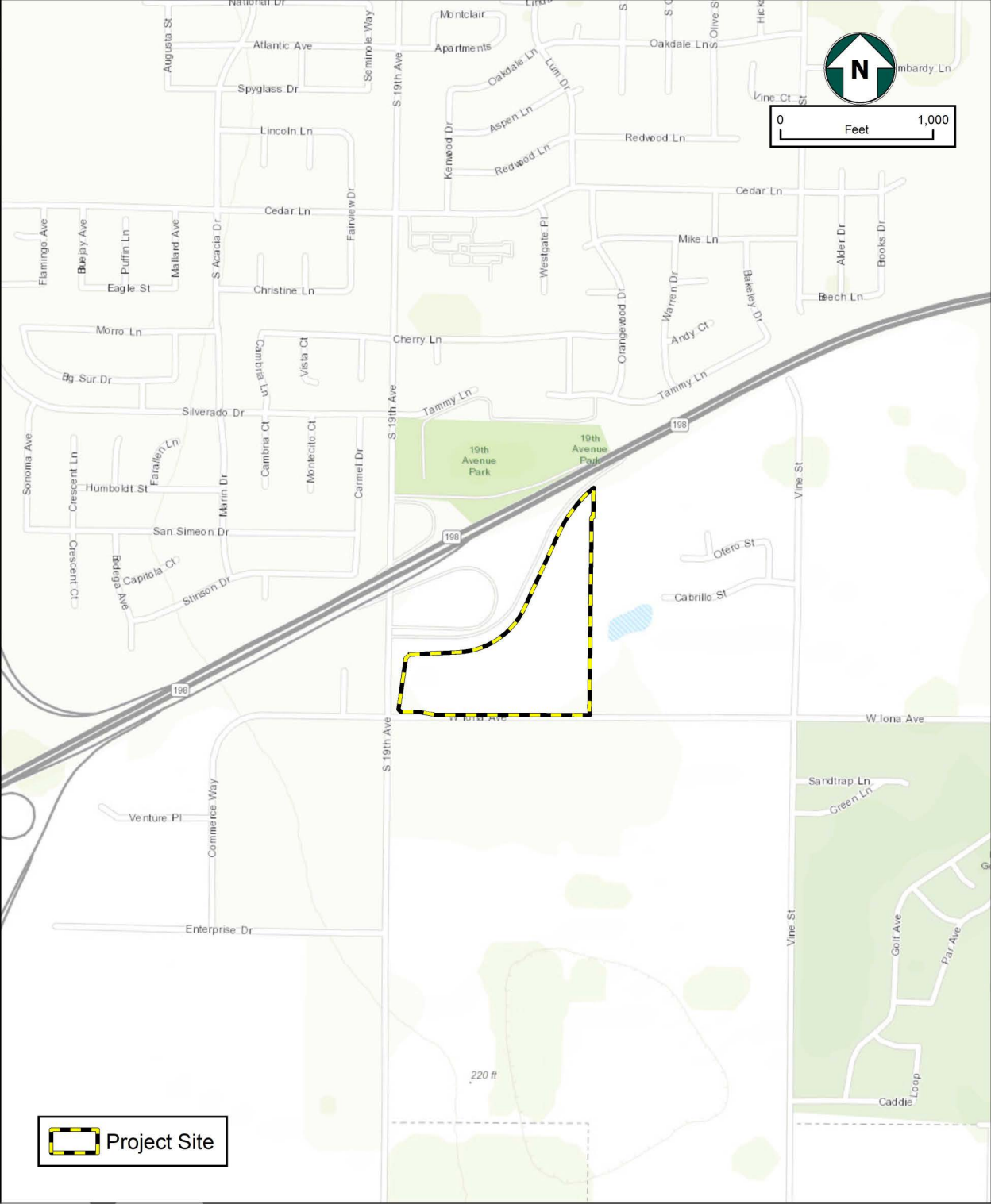
Miles
100
N


N
0
500
Feet
Project Site


18S 20E
19S 20E
Avalon Dr
W Cinnamon Dr
E Cinnamon Dr
N 19th Ave
19 1/2 Ave
Lemoore Sports Complex
San Joaquin Valley
W Industry Way
Highway 41
W D St
Lemoore
E D St
Cypress Ln
W Bush St
E Bush St
Acacia Dr
Belle Haven Dr
Cedar Ln
198
19th Avenue Park
USGS Quad: Lemoore
W Iona Ave
Lemoore Golf Course
18th Ave
S 19th Ave
N
0
0.5
Miles
Project Location
PLSS Townships
PLSS Sections
PLSS Sub Sections
USGS Quads 24k


N
0
1,000
Feet
Project Site
220 ft
National Dr
Montclair
Apartments
Atlantic Ave
Augusta St
Seminole Way
Spyglass Dr
Lincoln Ln
S 19th Ave
Oakdale Ln
Lum Dr
Aspen Ln
Redwood Ln
Kenwood Dr
Oakdale Ln S
Olive St
Hicks
Imbardy Ln
Vine Ct
Cedar Ln
Fairview Dr
Westgate Pl
Mike Ln
Alder Dr
Brooks Dr
Flamingo Ave
Bluejay Ave
Puffin Ln
Mallard Ave
S Acacia Dr
Eagle St
Christine Ln
Warren Dr
Bakery Dr
Beech Ln
Orangewood Dr
Andy Ct
Morro Ln
Cherry Ln
Big Sur Dr
Cambria Ln
Vista Ct
Tammy Ln
Silverado Dr
Sonoma Ave
Crescent Ln
Humboldt St
Farallon Ln
Marin Dr
Cambria Ct
Montecito Ct
Carmel Dr
19th Avenue Park
19th Avenue Park
198
Vine St
San Simeon Dr
Crescent Ct
Bodega Ave
Capitola Ct
Stinson Dr
Otero St
Cabrillo St
W Iona Ave
Sandtrap Ln
Green Ln
Venture Pl
Commerce Way
Enterprise Dr
Golf Ave
Par Ave
Caddie Loop

TECHNICAL MEMORANDUM

Attachment B-
Sacred Lands File Response by the Native American Heritage Commission

NATIVE AMERICAN HERITAGE COMMISSION

NAHC HEADQUARTERS
1550 Harbor Boulevard
Suite 100
West Sacramento,
California 95691
(916) 373-3710
nahc@nahc.ca.gov
NAHC.ca.gov

March 15, 2023

Jaymie L. Brauer
QK

Via Email to: jaymie.brauer@qkinc.com

Re: Native American Consultation, Pursuant to Senate Bill 18 (SB18), Government Codes §65352.3 and §65352.4, as well as Assembly Bill 52 (AB52), Public Resources Codes §21080.1, §21080.3.1 and §21080.3.2, Maverik Truck Stop Project, Kings County

Dear Mr. Brauer:

Attached is a consultation list of tribes with traditional lands or cultural places located within the boundaries of the above referenced counties or projects.

Government Codes §65352.3 and §65352.4 require local governments to consult with California Native American tribes identified by the Native American Heritage Commission (NAHC) for the purpose of avoiding, protecting, and/or mitigating impacts to cultural places when creating or amending General Plans, Specific Plans and Community Plans.

Public Resources Codes §21080.3.1 and §21080.3.2 requires public agencies to consult with California Native American tribes identified by the Native American Heritage Commission (NAHC) for the purpose of avoiding, protecting, and/or mitigating impacts to tribal cultural resources as defined, for California Environmental Quality Act (CEQA) projects.

The law does not preclude local governments and agencies from initiating consultation with the tribes that are culturally and traditionally affiliated within your jurisdiction. The NAHC believes that this is the best practice to ensure that tribes are consulted commensurate with the intent of the law.

Best practice for the AB52 process and in accordance with Public Resources Code §21080.3.1(d), is to do the following:

Within 14 days of determining that an application for a project is complete or a decision by a public agency to undertake a project, the lead agency shall provide formal notification to the designated contact of, or a tribal representative of, traditionally and culturally affiliated California Native American tribes that have requested notice, which shall be accomplished by means of at least one written notification that includes a brief description of the proposed project and its location, the lead agency contact information, and a notification that the California Native American tribe has 30 days to request consultation pursuant to this section.

The NAHC also recommends, but does not require that lead agencies include in their notification letters, information regarding any cultural resources assessment that has been completed on the area of potential affect (APE), such as:

1. The results of any record search that may have been conducted at an Information Center of the California Historical Resources Information System (CHRIS), including, but not limited to:

    - A listing of any and all known cultural resources have already been recorded on or adjacent to the APE, such as known archaeological sites;
    - Copies of any and all cultural resource records and study reports that may have been provided by the Information Center as part of the records search response;
    - Whether the records search indicates a low, moderate or high probability that unrecorded cultural resources are located in the APE; and
    - If a survey is recommended by the Information Center to determine whether previously unrecorded cultural resources are present.

2. The results of any archaeological inventory survey that was conducted, including:

    - Any report that may contain site forms, site significance, and suggested mitigation measures.

      All information regarding site locations, Native American human remains, and associated funerary objects should be in a separate confidential addendum, and not be made available for public disclosure in accordance with Government Code Section 6254.10.

3. The result of the Sacred Lands File (SFL) check conducted through the Native American Heritage Commission was positive. Please contact the Santa Rosa Indian Community of the Santa Rosa Rancheria on the attached list for more information.

4. Any ethnographic studies conducted for any area including all or part of the potential APE; and

5. Any geotechnical reports regarding all or part of the potential APE.

Lead agencies should be aware that records maintained by the NAHC and CHRIS is not exhaustive, and a negative response to these searches does not preclude the existence of a tribal cultural resource. A tribe may be the only source of information regarding the existence of a tribal cultural resource.

This information will aid tribes in determining whether to request formal consultation. In the event, that they do, having the information beforehand well help to facilitate the consultation process.

If you receive notification of change of addresses and phone numbers from tribes, please notify the NAHC. With your assistance we can assure that our consultation list remains current.

If you have any questions, please contact me at my email address: Cameron.vela@nahc.ca.gov.

Sincerely,

Cameron Vela

Cameron Vela
Cultural Resources Analyst

Attachment

Native American Heritage Commission
Tribal Consultation List
Kings County
3/15/2023

Kings River Choinumni Farm Tribe
Stan Alec,
3515 East Fedora Avenue — Foothill Yokut
Fresno, CA, 93726
Phone: (559) 647 - 3227

Santa Rosa Rancheria Tachi Yokut Tribe
Leo Sisco, Chairperson
P.O. Box 8 — Southern Valley
Lemoore, CA, 93245 — Yokut
Phone: (559) 924 - 1278
Fax: (559) 924-3583

Table Mountain Rancheria
Brenda Lavell, Chairperson
P.O. Box 410 — Yokut
Friant, CA, 93626
Phone: (559) 822 - 2587
Fax: (559) 822-2693
rpennell@tmr.org

Tule River Indian Tribe
Neil Peyron, Chairperson
P.O. Box 589 — Yokut
Porterville, CA, 93258
Phone: (559) 781 - 4271
Fax: (559) 781-4610
neil.peyron@tulerivertribe-nsn.gov

Wuksache Indian Tribe/Eshom Valley Band
Kenneth Woodrow, Chairperson
1179 Rock Haven Ct. — Foothill Yokut
Salinas, CA, 93906 — Mono
Phone: (831) 443 - 9702
kwood8934@aol.com

Xolon-Salinan Tribe
Karen White, Chairperson
P. O. Box 7045 — Salinan
Spreckels, CA, 93962
Phone: (831) 238 - 1488
xolon.salinan.heritage@gmail.com

This list is current only as of the date of this document and is based on the information available to the Commission on the date it was produced. Distribution of this list does not relieve any person of statutory responsibility as defined in Section 7050.5 of the Health and Safety Code, Section 5097.94 of the Public Resources Code and Section 5097.98 of the Public Resources Code.

This list is applicable only for consultation with Native American tribes under Government Code Sections 65352.3, 65352.4 et seq. and Public Resources Code Sections 21080.3.1 for the proposed Maverik Truck Stop Project, Kings County.

APPENDIX C

PHASE I ENVIRONMENTAL SITE ASSESSMENT

RMA GeoScience
Every Project Matters | www.rmacompanies.com

PHASE I ENVIRONMENTAL SITE ASSESSMENT

FOR

PROPOSED MAVERICK FUEL CENTER STATION
APN # 023-310-012
NEC OF SOUTH 19TH AVENUE AND IONA AVENUE
18806 IONA AVENUE
LEMOORE, CALIFORNIA 93245

for

TKC Projects, LLC
PO Box 979
Telluride, Colorado 81435

January 20, 2023

Project Number 22G-1217-1

RMA GeoScience
Every Project Matters | www.rmacompanies.com

January 20, 2023 Project No. 22G-1217-1

TKC Projects, LLC
PO Box 979
Telluride, Colorado 81435

Attention: Mr. Grayson Smith, Assistant Project Manager
graysons@awaeng.com

Subject: **Phase I Environmental Site Assessment**
Proposed Maverick Fuel Center Station
APN 023-310-012
NEC of South 19th Avenue and Iona Avenue
18806 Iona Avenue
Lemoore, California 93245

Dear Mr. Smith;

Pursuant to your request and authorization, a Phase I Environmental Site Assessment has been performed at the subject property in accordance with the current Standard of Practice for Phase I Environmental Site Assessments per the ASTM: E 1527-21 guidelines. This report is presented for the sole use of TKC Projects, LLC and their representatives and/or associates to use as an indication whether hazardous materials and or soil contamination may be present on the subject property. This report may not contain sufficient information for other uses.

If you have any questions regarding the information presented in this report, please do not hesitate to contact our office. We appreciate the opportunity to be of service to you.

Sincerely,
RMA GeoScience, Inc.

REGISTERED PROFESSIONAL ENGINEER
JOSUE A. MONTES, JR.
No. GE2904
Exp. 12-31-24
GEOTECHNICAL
STATE OF CALIFORNIA

Jim Vue, GIT
Staff Geologist

Josue A. Montes, GE 2904
Principal Engineer

Distribution: graysons@awaeng.com (1) Addressee

RMA GeoScience
Every Project Matters | www.rmacompanies.com

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1.0 INTRODUCTION

1.1 Purpose

A Phase I Environmental Site Assessment (ESA) was performed for the vacant land on the northeast corner of South 19th and Iona avenues in Lemoore, California (subject property). The purpose of the assessment was to identify to the extent feasible any recognized environmental conditions in connection with the aforementioned property. The American Society for Testing and Materials (ASTM) E1527-21 defines recognized environmental conditions as the presence or likely presence of any hazardous substances or petroleum products in, on, or at a property: (1) due to release to the environment; (2) under conditions indicative of a release to the environment; or (3) under conditions that pose a material threat of a future release to the environment. De minimis conditions are not recognized environmental conditions. De minimis conditions generally do not present a material risk of harm to public health or the environment and generally would not be the subject of an enforcement action if brought to the attention of appropriate governmental agencies.

1.2 Site Location and Description

The subject property is located to the northeast corner of South 19th and Iona avenues in Lemoore, California (Figure 1). The subject property is comprised of a portion of one parcel and has a total area of approximately 4.13-acres (Figure 2). The subject property is at or near street grade. The subject property is vacant land.

Its central geographic position is 36.2843° north latitude and 119.7978° west longitude.

1.3 Scope of Work

Our work was performed in conformance with the scope and limitations of the American Society for Testing and Materials (ASTM) E:1527-21. In order to complete this report, the following scope of work was completed.

a. A visual reconnaissance of the subject property and surrounding area to visually evaluate the potential for site contamination and to identify the current land use

b. A review of the regional geologic maps and geologic references pertinent to the subject property

c. A review of historical aerial photographs and topographic maps to assess the subject property's historical land use, and for indications of potential contamination or sources of contamination

d. A database search of federal, state, and local regulatory agencies obtained by Environmental Data Resource (EDR), which is included with this report

e. Review of local governmental databases and files

f. Identify key personnel, local officials, and current owners of the subject property to conduct interviews with persons knowledgeable of the subject property and surrounding areas

g. Preparation of this report

1.4 General Limitations and Exceptions

This report was completed in substantial conformance with the scope and practice set forth by the ASTM Standard E 1527-21 with a level of care and skill ordinarily exercised by members of our profession currently practicing in California. No environmental site assessment can wholly eliminate uncertainty regarding the potential for recognized environmental conditions. This assessment is not, and should not be construed as, a warranty or guarantee concerning the presence or not of hazardous substances which may affect the subject property. All information presented in this report is based on visual observations, research of publicly available information, review of maps and literature, experience, and professional judgment. The ASTM standard defines reasonably ascertainable information as information that is publicly available with reasonable time and cost constraints and yields relevant information without the need for extraordinary analysis of irrelevant data.

The subject property was accessible on foot.

The following are considered non-scope items and are not included in the scope of this report:

* Asbestos Containing Building Materials
* Biological Agents
* Cultural and Historical Resources
* Mold
* Radon
* Lead-Based Paint
* Lead in Drinking Water
* Wetlands
* Regulatory compliance
* Industrial Hygiene
* Health and Safety
* High Voltage Power Lines
* Ecological Resources
* Indoor Air Quality

1.5 Special Terms and Conditions

This report is intended for the sole use of TKC Projects, LLC. Its contents are considered to be privileged and confidential. The contents should not be relied upon by any party other than the aforementioned without the express written consent of RMA GeoScience, Inc. and TKC Projects, LLC.

1.6 User Provided Information

A User Questionnaire was sent to Lindsay Kiernan, the representative of TKC Projects, LLC, identified user or party seeking to complete an environmental site assessment of the subject property. The User Questionnaire serves to assist the environmental professional in gathering information from the user that may be material

to identifying recognized environmental conditions. The questionnaire completed by Lindsay Kiernan is included with this report.

2.0 SITE OVERVIEW

2.1 Site Observations

Our visual site reconnaissance was conducted on January 10, 2023. The purpose of our reconnaissance was to visually assess the subject property and surrounding area for any recognized environmental conditions. Photographs of the subject property during site reconnaissance are included with this report.

2.1.1 Exterior Observations

Item	Observed or Suspected	Not Observed or Suspected
Hazardous substances & Petroleum products		X
Above Ground Storage Tanks		X
Underground Storage Tanks		X
Odors		X
Standing water or pools of liquids	X	
Drums, hazardous substance, or petroleum containers		X
Unidentified substance containers		X
Electrical or hydraulic equipment known or likely to contain PCBs		X
Pits, ponds, or lagoons		X
Stained soil or pavement		X
Stresses vegetation (other than from insufficient water)		X
Solid waste, mounds or depressions suggesting trash or soil waste disposal		X
Wastewater or storm water discharge into a drain, ditch, stream, or adjacent property		X
Wells (active, inactive, or abandoned)		X
Sewage disposal system		X
Roads		X
Railroad lines or spurs		X

2.2 Hazardous Substances & Petroleum Containers/Products

Hazardous substances or petroleum products containers for liquids are generally less than 5 gallons and may be made of metal, glass, or plastic. Containers may also contain solids and gasses and may be made of paper, plastic, cardboard, or metal. Hazardous substances or petroleum products can be contained in equipment such as elevator and hoist pistons, machinery, forklifts, and other equipment.

During our site reconnaissance, no hazardous substances and petroleum containers or products were observed on the subject property. No equipment containing hazardous substances or petroleum products were observed on the subject property.

2.3 Aboveground Storage Tanks (ASTs)

During our site reconnaissance, no features associated with ASTs were observed on the subject property.

2.4 Underground Storage Tanks (USTs)

During our site reconnaissance, no features associated with USTs were observed on the subject property.

2.5 Polychlorinated Biphenyls (PCBs)

Polychlorinated biphenyl's (PCBs) were once widely used in dielectric and coolant oils in transformers and capacitors. PCB production was banned in the US in 1979 but some older transformers and electrical equipment may still contain PCBs. Many fluorescent light ballasts manufactured before 1979 also contained small quantities of PCBs. An inventory and inspection of fluorescent light ballasts was not conducted as part of this investigation.

During our site reconnaissance, no pad- or pole-mounted transformers were observed on the subject property.

2.6 Stressed Vegetation, Pits, Ponds and Lagoons and Standing Water

During our site reconnaissance, no stressed vegetation, pits, ponds, or lagoons were observed on the subject property.

2.7 Solid Waste, Mounds, or Depressions Suggesting Trash or Solid Waste Disposal

During our site reconnaissance, no solid waste, mounds, or depressions suggesting trash or solid waste disposal were observed on the subject property.

2.8 Wastewater or Stormwater

During our site reconnaissance, no stormwater retention basins are on or adjacent to the subject property. No industrial wastewater exists on the subject property and there are no wastewater treatment facilities located on or near the subject property.

2.9 Existing or Abandoned Oil and Water Wells

According to the database maintained by the Department of Oil, Gas, and Geothermal Resources there are no oil wells located at or in the near vicinity of the subject property. During our site reconnaissance, no domestic or irrigation wells were observed on the subject property.

2.10 Septic Systems

During our site reconnaissance, no features associated with a septic system were observed on the subject property.

2.11 Railroad Lines or Spurs

During our site reconnaissance, no railroad lines or spurs were observed on the subject property.

2.12 Site Reconnaissance of Adjacent Properties

Properties immediately adjacent to the subject property consist of the following:

- To the north – Highway 198
- To the east – Vacant land
- To the south – Coast Gas / Lemoore Auto Wrecking / Iona Avenue
- To the west – Vacant lot / Valero Gas Station / South 19th Avenue

2.13 Current Site Use

The subject property is currently vacant land.

2.14 Past Land Use and Site History

Based on our review of aerial photographs, Sanborn maps, topographic maps, interviews, and our research, we conclude that by 1927, the subject property was occupied with agricultural land. By 1994, the subject property appears to be vacant land. No other past uses have been identified.

2.15 Drains and Sumps

During our site reconnaissance, no drains or sumps were observed on the subject property.

3.0 GEOLOGY AND HYDROGEOLOGY

3.1 Geology

The subject property is located in the east-central San Joaquin Valley, which comprises the southern half of the Great Valley geomorphic province. The valley is a westward-titling trough which forms a broad alluvial fan, approximately 200 miles long and 50 to 70 miles wide, were the eastern flank is broad and gently inclined, as opposed to the western flank which is relatively narrow (Bartow, 1991; Page, 1968). The Central Valley consists of the Great Valley Sequence, overlain by Cenozoic alluvium. Underlying the Great Valley Sequence are the Franciscan Assemblage to the west and the Sierra Nevada batholith to the east (Bailey, Irwin, and Jones, 1964).

The Franciscan Assemblage, made up of deformed and high pressure and low temperature metamorphosed mafic and ultramafic rocks, was formed around the Late Jurassic through the Miocene (160 to about 20 million years ago) by the offscraping of rocks from a subducting plate dipping to the east (Wakabayashi, 1992; Wakabayashi, 2010).

The Sierra Nevada started to form during the Early Jurassic (around 200 million years ago) when the Farallon Plate began subducting under the North American Plate. This subduction resulted in several orogenies, or mountain building events, that created the granitic Sierra Nevada Batholith deep below the surface. During

the Miocene (around 10 million years ago), vertical movement along the Sierra Nevada Frontal Fault Zone (part of the Eastern California Shear Zone) began to uplift the Sierra Nevada. This uplift and erosion exposed the batholiths to the surface. From the Pleistocene (commonly known as the last Ice Age) to the present, glaciers have been carving out many parts of the Sierras. The current uplift of the Sierra Nevada is 1 - 2mm per year (Hammond, et al. 2012).

The Great Valley Sequence is a 40,000-foot sequence of marine shale, sandstone, and conglomerate beds, deposited in a deep marine environment during the Late Jurassic through the Cretaceous (150 – 65 million years ago). Overlying the Great Valley Sequence is several thousand feet of Cenozoic alluvium, deposited by: streams and rivers draining from the mountains and creating alluvial fans; by lakes that covered parts of the valley floor from time to time; flooding; and marsh environments (Page, 1986). In some places, it is thousands of feet thick, and more than half of this thickness is composed of fine grained fluvial and lacustrine deposits. Holocene deposition consists mainly of episodic deposition of alluvial sediments (Bartow, 1991; Page, 1986). The subject property is situated on Quaternary fan deposits that are several hundred feet deep.

3.2 Hydrogeology

The subject property is located within the Tulare Lake Subbasin within the San Joaquin Valley Groundwater Basin. The Tulare Lake Subbasin is bounded at the north by the Kings Subbasin, at the south by the Kern County Subbasin, at the east by the Kaweah and Tule Subbasins, and at the west by the Westside and Kettleman Plain Subbasins. The primary recharge source to the area is from stream recharge and from deep percolation of applied irrigation water (Groundwater Bulletin 118, 2003).
According to Groundwater Contour Maps available at California Department of Water Resources website, depth to groundwater in Spring 2022 was 180 feet below ground surface. Groundwater as shallow as 40 feet below ground surface was measured in 1947 in a well located approximately 1-mile south of the subject property.

The subject property is located within an area zoned by FEMA to be inside of the 0.2% annual chance floodplain.

4.0 RESULTS OF RECORDS SEARCH

4.1 Aerial Photograph Review

1934 The subject property appears to be occupied by agricultural land.

What appears to be a residence and associated outbuildings are visible to the north and east of the subject property. The existing South 19th Avenue is visible to the west of the subject property. The existing Iona Avenue is visible to the south of the subject property. What appears to be agricultural land are visible to the south and west of the subject property.

1937 There is no significant change to the subject property and surrounding properties from the 1934 photograph.

1940 There is no significant change to the subject property and surrounding properties from the 1937 photograph.

1942 There is no significant change to the subject property and surrounding properties from the 1940 photograph.

1950 There is no significant change to the subject property and surrounding properties from the 1942 photograph.

1966 RMA GeoScience could not determine if there are any changes on the subject property or surrounding properties due to the poor quality of the 1966 aerial photograph.

1972 There is no significant change to the subject property from the 1966 photograph.

The residence and associated outbuildings are no longer visible to the north of the subject property. What appears to be vacant land and the existing Highway 198 are visible to the north of the subject property. What appears to be the existing building associated with Coast Gas Propane Sales and Services is visible to the south beyond Iona Avenue. What appears to be agricultural land is visible to the west beyond South 19th Avenue.

1976 There is no significant change to the subject property and surrounding properties from the 1972 photograph.

1984 There is no significant change to the subject property from the 1976 photograph.

The residence and associated outbuildings are no longer visible to the east of the subject property. What appears to be vacant land and a barn are visible to the east of the subject property. What appears to be the existing Cemex Plant is visible south beyond the Coast Gas building.

1994 The subject property appears to be occupied by vacant land.

What appears to be the existing automobile wreck yard is visible to the southeast, beyond Iona Avenue.

2006 There is no significant change to the subject property from the 1994 photograph.

What appears to be the existing Sierra Circle is visible to the west of the subject property.

2009 There is no significant change to the subject property from the 2006 photograph.

What appears to be the existing gas station is visible to the west, beyond South 19th Avenue.

2012 There is no significant change to the subject property and surrounding properties from the 2009 photograph.

2016 There is no significant change to the subject property from the 2012 photograph.

The existing on and off ramp associated with Highway 198 is visible to the north of the subject property.

2020 There is no significant change to the subject property and surrounding properties from the 2016 photograph.

Copies of the aerial photographs are included with this report.

4.2 Sanborn Map Review

The Sanborn Library collection was searched by EDR. No maps covering the subject property were found.

4.3 Topographic Map Review

Topographic maps dating from 1927 to 2018 were reviewed for indications of past land use at the subject property. The 1927 map indicates the subject property is located to the southwest of the City of Lemoore limits. Subsequent maps from 1954 shows the expansion of the City of Lemoore limits to the north, east, south, and west of the subject property. No past uses other than that described in Section 2.14 of this report were identified for the subject property.

4.4 Governmental Agency Database Review

A search of available government databases was conducted for RMA GeoScience, Inc. by EDR, an information retrieval service which identifies current and historical environmental risk management information for a specific site (Target Property) and surrounding area. The search included the area within a one-mile radius of the subject property. The search radius used meets or exceeds the standard search distance adopted by ASTM-E:1527-21. Copies of the EDR reports are included with this report. The following is an abridged list of environmental databases that were searched by EDR:

Federal

* Proposed National Priorities List (NPL)
* Delisted National Priorities List (DNPL)
* Federal Superfund Liens
* Comprehensive Environmental Response, Compensation and Liability Information System (CERCLIS)
* Federal Facility Site Information listing
* CERCLIS No Further Remedial Action Planned (CERCLIS-NFRAP)
* Corrective Action Report (CORRACTS)
* RCRA Treatment Storage and Disposal
* RCRA-LQG RCRA - Large Quantity Generators
* RCRA-CESQG RCRA - Conditionally Exempt Small Quantity Generator
* US ENG CONTROLS Engineering Controls Sites List
* US INST CONTROL Sites with Institutional Controls
* LUCIS Land Use Control Information System
* US BROWNFIELDS A Listing of Brownfields Sites
* Emergency Response Notification System (ERNSCA)
* National Pollutant Discharge Elimination System-Region 9 (NPDSR09)
* PCB Activity Database
* Open Dump Inventory (ODI)

* Toxics Release Inventory (TRI)

State

* Above Ground Storage Tanks (ABST)
* INDIAN LUST Leaking Underground Storage Tanks on Indian Land
* INDIAN UST Underground Storage Tanks on Indian Land
* FEMA UST Underground Storage Tank Listing
* RESPONSE State Response Sites
* Solid Waste Information System (SWIS)
* VCP Voluntary Cleanup Program Properties
* INDIAN VCP Voluntary Cleanup Priority Listing
* Clandestine Drug Labs (CDL)
* State Brownfields Properties Calsites Database
* California Hazardous Material Incident Report System (CHMIRS)
* Dry Cleaner Facilities
* State Cortese List
* California Dept. of Toxic Substances Control Deed Restrictions (DTSCDR)
* California Department of Toxic Substances Control - Envirostor

Local

* Well Investigation Program Case List
* CDEBRIS REGION 9 Torres Martinez Reservation Illegal Dump Site Locations
* ODI Open Dump Inventory
* WMUDS/SWAT Waste Management Unit Database
* HAULERS Registered Waste Tire Haulers Listing
* INDIAN ODI Report on the Status of Open Dumps on Indian Lands
* HIST Cal-Sites Historical Calsites Database
* SCH School Property Evaluation Program
* Toxic Pits Toxic Pits Cleanup Act Sites
* CDL Clandestine Drug Labs
* US HIST CDL National Clandestine Laboratory Register
* LIENS 2 CERCLA Lien Information
* LIENS Environmental Liens Listing
* DEED Deed Restriction Listing

4.4.1 Target Property Search Results

The subject property was not listed in the databases searched.

4.4.2 Surrounding Facilities Search Results

The following facilities listed by EDR within a half-mile radius of the subject property that have or have had known releases of contaminants to the environment are listed in the table below.

Facility Name	Address	Databases	Distance (miles)
PG&E Company	980 South 19th Avenue	CUPA Listings	0.015
Coast Gas/Amerigas	1139 West Iona Avenue	CUPA Listings	0.016
Lemoore Crossings, LLC	1225 Sierra Circle	UST, CERS TANKS, CERS, CUPA Listings	0.045
Cemex Construction Materials Pacific, LLC	1000 South 19th Avenue	ENVIROSTOR, AST, CERS HAZ WASTE, CERS TANKS, CERS, EMI, NPDES, WDS, CIWQS, CUPA Listings	0.089
Self Help Enterprises, Tract 656	West Vine Street, South of Highway 198, North of Iona Avenue	ENVIROSTOR, VCP	0.305
Lemoore City Landfill	Lemoore, California	WMUDS/SWAT	0.410

PG&E Company, 980 South 19th Avenue

This facility is located approximately 0.015 miles west of the subject property and is listed in the CUPA Listings database. According to the records obtained, inspection reports indicate no violation associated with this facility. According to a conversation between Mr. Troy Hommerding of Kings County Department of Public Health (KCDPH) and Traci Dhindsa of Pacific Gas and Electric (PG&E), all hazardous materials stored on this facility have been removed to another location. Although not expected to impact the subject property, should investigations at this facility show contamination beneath the subject property, the investigation and cleanup would the responsibility of the owner of this facility.

Coast Gas/Amerigas, 1139 West Iona Avenue

This facility is located approximately 0.016 miles south of the subject property and is listed in the CUPA Listings database. According to the records obtained, inspection reports indicate no violation associated with this facility. Although not expected to impact the subject property, should investigations at this facility show contamination beneath the subject property, the investigation and cleanup would the responsibility of the owner of this facility.

Lemoore Crossings, LLC, 1225 Sierra Circle

This facility is located approximately 0.045 miles west of the subject property and is listed in the UST, CERS TANKS, CERS, and CUPA Listings databases. According to the records obtained, one 20,000-gallon gasoline and one 10,000-gallon diesel underground storage tanks (USTs) are listed at this facility. No records of any leaks or spills were listed at this facility. Although not expected to impact the subject property, should investigations at this facility show contamination beneath the subject property, the investigation and cleanup would the responsibility of the owner of this facility.

Cemex Construction Materials Pacific LLC, 1000 South 19th Avenue

This facility is located approximately 0.089 miles southwest of the subject property and is listed in the AST, CERS HAZ WASTE, CERS TANKS, CERS, EMI, NPDES, WDS, CIWQS, and CUPA Listings databases. According to the records obtained, one aboveground storage tank and hazardous materials are stored at this facility. No records of any leaks or spills were listed at this facility. Although not expected to impact the subject property,

should investigations at this facility show contamination beneath the subject property, the investigation and cleanup would the responsibility of the owner of this facility.

Self Help Enterprises, Tract 656, West Vine Street, South of Highway 198, North of Iona Avenue

This facility is located approximately 0.305 miles northeast of the subject property and is listed in the ENVIROSTOR and VCP databases. According to the Department of Toxic Substances Control's (DTSC) EnviroStor website, this facility has a "certified" status. Due to this information, we therefore conclude that this facility is not a recognized environmental condition (REC) with respect to the subject property.

Lemoore City Landfill, Lemoore, California

This facility is located approximately 0.410 miles southeast of the subject property and is listed in the WMUDS/SWAT database. According to the records obtained, this facility is a community landfill for non-hazardous solid waste. Due to this information, we therefore conclude that this facility is not a REC with respect to the subject property.

4.5 City Directory Review

A search of available city directories at five-year intervals from 1975 to 2017 was conducted for RMA GeoScience, Inc. by EDR, an information retrieval service which identifies current and historical environmental risk management information for a specific site (Target Property) and surrounding area. The following listings for a former subject property address are identified and listed below.

18806 Iona Avenue

- 1992 – 2017 Not listed
- 1975 – 1990 XXXX

No other past uses were identified for the subject property.

4.6 State and Local Agencies

California Department of Conservation Division of Oil and Gas and Geothermal Resources

We searched the online databases that are maintained by the California Department of Conservation - Division of Oil and Gas regarding any current or abandoned oil wells located on or near the subject property. There are no oil wells listed at the subject property.

Kings County Department of Public Health, Division of Environmental Health Services

A request to review available records for the subject property and adjacent facilities to the subject property were submitted to this agency in December 2022. According to the Kings County official, there are no records for the subject property. The Kings County official provided records for the adjacent facilities and were discussed in Section 4.2.2.

City of Lemoore City Clerk

A request to review available records for the subject property address was submitted to this agency in December 2022. We specified that we were looking for building records. According to the City Clerk, the City of Lemoore has no records for the subject property address.

4.7 Data Gaps

No significant data gaps were encountered that would affect our ability to identify RECs in connection with the subject property.

5.0 INTERVIEWS

5.1 Present Owner

An interview questionnaire was sent to Mr. Kevin King, the representative of the property owner, and Ms. Lindsay Kiernan, the representative of TKC Projects, LLC with questions pertaining to their knowledge of the subject property. Mr. King and Ms. Kiernan indicated they were unaware of any environmental concerns. Mr. King stated that the subject property was previous used for agricultural purposes. A copy of the questionnaire with Mr. Kings's and Ms. Kiernan's responses are included with this report.

6.0 FINDINGS

RMA GeoScience performed a Phase I ESA for the subject property located on the northeast corner of South 19th and Iona avenues in Lemoore, California in accordance with TKC Projects, LLC authorization.

6.1 Onsite

From 1927, the subject property was occupied with agricultural land. By 1994, the subject property appears to be vacant land. No other past uses have been identified.

6.2 Offsite

We reviewed records pertaining to facilities identified in various databases within a half mile radius of the subject property. Due to the status of these facilities, we therefore conclude that most of these facilities are not recognized environmental conditions (RECs) with respect to the subject property. Although not expected to impact the subject property, should investigations at the facilities listed in Section 4.4.2 show contamination beneath the subject property, the cleanup would the responsibility of the owners of the facilities listed in Section 4.4.2.

7.0 CONCLUSIONS

7.1 Conclusions

RMA GeoScience, Inc. has performed a Phase I Environmental Site Assessment in conformance with the scope and limitations of ASTM Practice E:1527-21 for the subject property located on the northeast corner of South 19th and Iona avenues in Lemoore, California. Any exceptions to or deletions from this practice are described in this report.

This assessment has revealed no recognized environmental conditions (RECs) in connection with the subject property.

Although not noted as RECs, the following were noted during this investigation.

- The subject property has been used for agricultural purposes since 1937 to the early 1990s. It is recommended that prior to development, the subject property be tested for agricultural pesticides.

8.0 QUALIFICATIONS

The following statements are provided as specified by ASTM E 1527-21 and 40 CFE 312.21(d):

> "We declare that, to the best of my professional knowledge and belief, we meet the definition of Environmental professional as defined by §312.10 of 40 CFR 312 and we have the specific qualifications based on education, training, and experience to assess a property of the nature, history, and setting of the subject property. We have developed and performed all the appropriate inquires in conformance with the standards and practices set forth in 40 CFR Part 312."

9.0 LIMITATIONS

This Phase I Environmental Site Assessment was completed in accordance with generally accepted industry practice for determining the likelihood of the presence of hazardous substances at or beneath the subject property. Information presented in this report is based on visual observations, limited research, review of maps and literature, experience, and professional judgment. This assessment is not, and should not be construed as, a warranty or guarantee concerning the presence or not of hazardous substances which may affect the property. All discovered information has been disclosed and a good faith effort has been made to consult pertinent sources.

This study and report have been prepared on behalf and for the exclusive use of TKC Projects, LLC, and solely for use in an environmental evaluation of the subject property. This report and its findings shall not, in whole or in part, be disseminated or conveyed to any other party, nor used by any other party in whole or in part, without prior written consent of RMA GeoScience, Inc. and TKC Projects, LLC. However, RMA GeoScience, Inc. acknowledges and agrees that the report may be conveyed to the Buyer, Seller and Lender associated with the financing of the property.

10.0 REFERENCES

Bartow, J.A., 1991, The Cenozoic Evolution of the San Joaquin Valley, California, USGS Professional Paper 1501.

California Department of Water Resources Website**:** http://www.water.ca.gov/waterdatalibrary

California Department of Water Resources, 1980, updated 2003, Groundwater Bulletin 118
http//www.water.ca.gov/pubs/groundwater/bulletin_118

California Department of Toxic Substance Control Website:
http://www.envirostor.dtsc.ca.gov

Federal Emergency Management Agency, Flood Hazard Mapping Website, http://www.fema.gov/

Page, R.W., 1986, Geology of the Fresh Ground-Water Basin of the Central Valley, California, U.S. Geological Survey Professional Paper 1401-C.

State Water Resources Control Board Website,
http://geotracker.swrcb.ca.gov/

State of California Department of Conservation Division of Oil, Gas and Geothermal Website:
http://www.conservation.ca.gov/dog/.

United States Environmental Protection Agency,
Risk Management for Per- and Polyfluoroalkyl Substances (PFAS) under TSCA | US EPA

FIGURES

References: Google Earth

Approximate Scale: 1" ≈ 752'

Approximate Limits of the Subject Property

FIGURE 1

SITE VICINITY MAP

Proposed Maverick Fuel Center Station
APN 023-310-012
NEC of South 19th Avenue and Iona Avenue
18806 Iona Avenue
Lemoore, California 93245
Project #22G-1217-1

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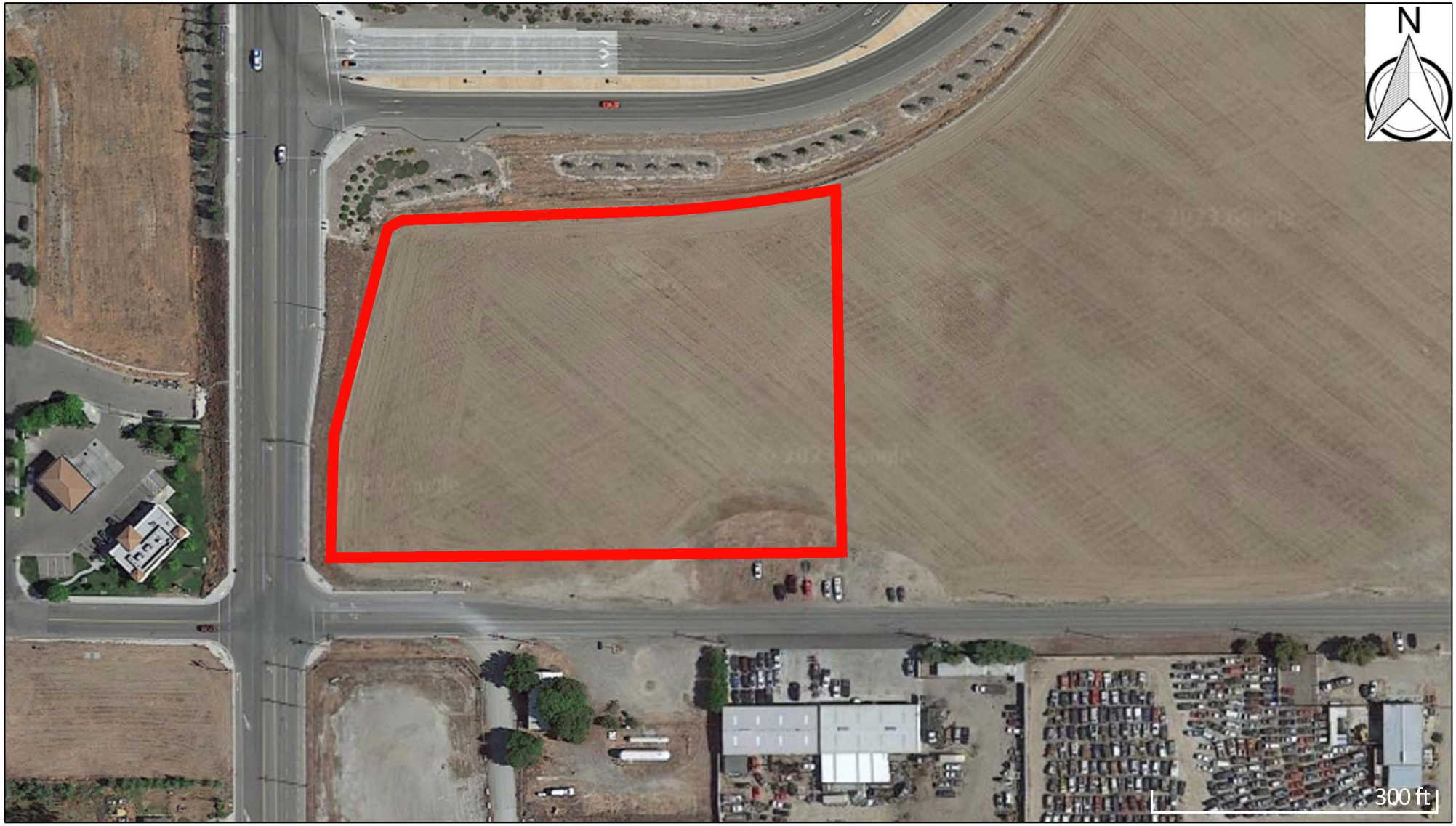

Reference: Google Earth

Approximate Scale: 1" ≈ 146'

FIGURE 2

SITE MAP

Proposed Maverick Fuel Center Station
APN 023-310-012
NEC of South 19th Avenue and Iona Avenue
18806 Iona Avenue
Lemoore, California 93245
Project #22G-1217-1

Approximate Limits of the Subject Property

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SITE PHOTOGRAPHS

Photograph 1: View of the subject property and Highway 198 in the background.

Photograph 2: View of the subject property, Iona Avenue, and offsite structures. Standing water from a recent rain event is in the foreground of the picture.

Photograph 3: View of Coast Gas and Iona Avenue located south of the subject property.

Photograph 4: View of the intersection of South 19th and Iona avenues. The adjacent gas station and hotel are in the background of this picture.

EDR RADIUS REPORT

Proposed Maverick Fuel Center Station
18806 IONA AVE
LEMOORE, CA 93245

Inquiry Number: 7208034.2s
December 19, 2022

The EDR Radius Map™ Report with GeoCheck®

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

TABLE OF CONTENTS

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

EXECUTIVE SUMMARY

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

TARGET PROPERTY INFORMATION

ADDRESS

18806 IONA AVE
LEMOORE, CA 93245

COORDINATES

Latitude (North):	36.2843430 - 36ˆ 17' 3.63''
Longitude (West):	119.7978070 - 119ˆ 47' 52.10''
Universal Tranverse Mercator:	Zone 11
UTM X (Meters):	248712.4
UTM Y (Meters):	4018918.2
Elevation:	222 ft. above sea level

USGS TOPOGRAPHIC MAP ASSOCIATED WITH TARGET PROPERTY

Target Property Map:	12012195 LEMOORE, CA
Version Date:	2018

AERIAL PHOTOGRAPHY IN THIS REPORT

Portions of Photo from:	20140627, 20140619
Source:	USDA

MAPPED SITES SUMMARY

Target Property Address:
18806 IONA AVE
LEMOORE, CA 93245

Click on Map ID to see full detail.

MAP ID	SITE NAME	ADDRESS	DATABASE ACRONYMS	RELATIVE ELEVATION	DIST (ft. & mi.) DIRECTION
A1	LEMOORE FACILITY	1000 19TH ST.	AST	Higher	72, 0.014, West
A2	PACIFIC GAS & ELECTR	980 19TH AVE	CUPA Listings	Higher	77, 0.015, West
B3	COAST GAS/AMERIGAS	1139 W IONA AVE	CUPA Listings	Higher	86, 0.016, South
B4	COAST GAS/AMERIGAS	1139 W IONA AVE	CERS TANKS, CERS	Higher	86, 0.016, South
B5	LEMOORE AUTO WRECKIN	1069 W IONA AVE	RCRA NonGen / NLR	Higher	92, 0.017, SE
B6	AGUILARS AUTOMOTIVE	1069 W IONA AVE UNIT	RCRA NonGen / NLR	Higher	92, 0.017, SE
B7	GREEN COMPASS ENVIRO	1069 W IONA AVE	RCRA NonGen / NLR, FINDS, ECHO	Higher	92, 0.017, SE
A8	LEMOORE CROSSINGS, L	1225 SIERRA CIR	UST	Higher	238, 0.045, West
A9	LEMOOR CROSSING	1225 SIERRA CIR	EDR Hist Auto	Higher	238, 0.045, West
A10	LEMOORE CROSSINGS, L	1225 SIERRA CIR	CERS TANKS, CUPA Listings, CERS	Higher	238, 0.045, West
A11	LEMOORE CROSSINGS FO	1225 SIERRA CIRCLE	UST	Higher	238, 0.045, West
C12	LEMOORE SERVICE CENT	980 19TH AVE	RCRA-LQG, FINDS, ECHO	Lower	426, 0.081, SSW
C13	LEMOORE AUXILIARY FI		ENVIROSTOR, AST	Lower	470, 0.089, SSW
C14	CEMEX CONSTRUCTION M	1000 S 19TH AVE	RCRA NonGen / NLR	Lower	470, 0.089, SSW
C15	CEMEX CONSTRUCTION M	1000 S 19TH AVE	AST	Lower	470, 0.089, SSW
C16	CEMEX LEMOORE PLANT	1000 S 19TH AVE	CERS HAZ WASTE, CERS TANKS, CERS	Lower	470, 0.089, SSW
C17	CEMEX CONSTRUCTION M	1000 S 19TH AVE	CUPA Listings, EMI, NPDES, WDS, CIWQS	Lower	470, 0.089, SSW
D18	BENNETT ENVIRONMENTA	955 S COMMERCE WAY	RCRA NonGen / NLR	Lower	496, 0.094, WSW
D19	VALLEY CYCLE & MARIN	955 COMMERCE WY	CUPA Listings	Lower	496, 0.094, WSW
D20	GAR BENNETT, LLC - L	955 S COMMERCE WAY	CERS HAZ WASTE, HWTS	Lower	496, 0.094, WSW
D21	GAR BENNETT LLC	955 S COMMERCE WAY	RCRA NonGen / NLR	Lower	496, 0.094, WSW
C22	ARTESIA READY MIX CO	1000 19TH AVE	RCRA-SQG, FINDS, ECHO, EMI, HAZNET, CERS, HWTS	Lower	510, 0.097, SSW
E23	ECONONMY AUTO WRECKI	977 W IONA	RCRA NonGen / NLR	Higher	598, 0.113, ESE
E24	ECONOMY AUTO WRECKIN	977 W IONA AVE	CERS HAZ WASTE, CUPA Listings, CERS, HWTS	Higher	598, 0.113, ESE
E25	ECONOMY AUTO WRECKIN	977 W IONA AVE	RCRA NonGen / NLR	Higher	598, 0.113, ESE
D26	BENNETT & BENNETT IR	995 COMMERCE WY	CUPA Listings	Lower	765, 0.145, West
F27	MCCANN & SONS HAY SE	1356 W IONA AVE	RCRA NonGen / NLR	Lower	803, 0.152, West
F28	MCCANN & SONS HAY SE	1356 W IONA AVE	CERS HAZ WASTE, CUPA Listings, HAZNET, CERS, HWTS	Lower	803, 0.152, West
G29	LEMOORE CANAL & IRRI	877 W IONA AVE	CUPA Listings	Higher	878, 0.166, ESE
G30	LEMOORE CANAL & IRRI	877 W IONA AVE	CERS HAZ WASTE, CERS, HWTS	Higher	878, 0.166, ESE
G31	LEMOORE CANAL & IRRI	877 W IONA AVE	RCRA NonGen / NLR	Higher	878, 0.166, ESE
H32	AGUSA INC.	1055 S 19TH AVE	CERS HAZ WASTE, CERS	Lower	953, 0.180, SSW
H33	AGUSA INC	1055 S 19TH AVE	RCRA NonGen / NLR	Lower	953, 0.180, SSW
H34	AGUSA	1055 S 19TH AVE	CUPA Listings	Lower	953, 0.180, SSW
G35	LUHSD - TRANSPORTATI	857 IONA AVE	RCRA NonGen / NLR	Higher	965, 0.183, ESE
36	CARLOS RAMOS PEREZ D	1286 SAN SIMEON DR	RCRA NonGen / NLR	Higher	974, 0.184, NNW
37	SUPERIOR TRUCK LINES	898 IONA AVE	RCRA NonGen / NLR	Higher	1178, 0.223, East
38	SELF HELP ENTERPRISE	W VINE ST, SO OF HWY	ENVIROSTOR, VCP	Higher	1609, 0.305, ENE
39	LEMOORE CITY LANDFIL		WMUDS/SWAT	Higher	2165, 0.410, ESE

EXECUTIVE SUMMARY

TARGET PROPERTY SEARCH RESULTS

The target property was not listed in any of the databases searched by EDR.

DATABASES WITH NO MAPPED SITES

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

STANDARD ENVIRONMENTAL RECORDS

Lists of Federal NPL (Superfund) sites

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

Lists of Federal Delisted NPL sites

Delisted NPL ---------- National Priority List Deletions

Lists of Federal sites subject to CERCLA removals and CERCLA orders

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

Lists of Federal CERCLA sites with NFRAP

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

Lists of Federal RCRA facilities undergoing Corrective Action

CORRACTS ---------- Corrective Action Report

Lists of Federal RCRA TSD facilities

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

Lists of Federal RCRA generators

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

Federal institutional controls / engineering controls registries

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

EXECUTIVE SUMMARY

Federal ERNS list

ERNS ---------- Emergency Response Notification System

Lists of state- and tribal (Superfund) equivalent sites

RESPONSE ---------- State Response Sites

Lists of state and tribal landfills and solid waste disposal facilities

SWF/LF ---------- Solid Waste Information System

Lists of state and tribal leaking storage tanks

LUST ---------- Geotracker's Leaking Underground Fuel Tank Report
INDIAN LUST ---------- Leaking Underground Storage Tanks on Indian Land
CPS-SLIC ---------- Statewide SLIC Cases

Lists of state and tribal registered storage tanks

FEMA UST ---------- Underground Storage Tank Listing
INDIAN UST ---------- Underground Storage Tanks on Indian Land

Lists of state and tribal voluntary cleanup sites

INDIAN VCP ---------- Voluntary Cleanup Priority Listing

Lists of state and tribal brownfield sites

BROWNFIELDS ---------- Considered Brownfieds Sites Listing

ADDITIONAL ENVIRONMENTAL RECORDS

Local Brownfield lists

US BROWNFIELDS ---------- A Listing of Brownfields Sites

Local Lists of Landfill / Solid Waste Disposal Sites

SWRCY ---------- Recycler Database
HAULERS ---------- Registered Waste Tire Haulers Listing
INDIAN ODI ---------- Report on the Status of Open Dumps on Indian Lands
DEBRIS REGION 9 ---------- Torres Martinez Reservation Illegal Dump Site Locations
ODI ---------- Open Dump Inventory
IHS OPEN DUMPS ---------- Open Dumps on Indian Land

Local Lists of Hazardous waste / Contaminated Sites

US HIST CDL ---------- Delisted National Clandestine Laboratory Register
HIST Cal-Sites ---------- Historical Calsites Database
SCH ---------- School Property Evaluation Program
CDL ---------- Clandestine Drug Labs
Toxic Pits ---------- Toxic Pits Cleanup Act Sites

US CDL ..... National Clandestine Laboratory Register

Local Lists of Registered Storage Tanks

SWEEPS UST ..... SWEEPS UST Listing
HIST UST ..... Hazardous Substance Storage Container Database
CA FID UST ..... Facility Inventory Database

Local Land Records

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

Records of Emergency Release Reports

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

Other Ascertainable Records

FUDS ..... Formerly Used Defense Sites
DOD ..... Department of Defense Sites
SCRD DRYCLEANERS ..... State Coalition for Remediation of Drycleaners Listing
US FIN ASSUR ..... Financial Assurance Information
EPA WATCH LIST ..... EPA WATCH LIST
2020 COR ACTION ..... 2020 Corrective Action Program List
TSCA ..... Toxic Substances Control Act
TRIS ..... Toxic Chemical Release Inventory System
SSTS ..... Section 7 Tracking Systems
ROD ..... Records Of Decision
RMP ..... Risk Management Plans
RAATS ..... RCRA Administrative Action Tracking System
PRP ..... Potentially Responsible Parties
PADS ..... PCB Activity Database System
ICIS ..... Integrated Compliance Information System
FTTS ..... FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)
MLTS ..... Material Licensing Tracking System
COAL ASH DOE ..... Steam-Electric Plant Operation Data
COAL ASH EPA ..... Coal Combustion Residues Surface Impoundments List
PCB TRANSFORMER ..... PCB Transformer Registration Database
RADINFO ..... Radiation Information Database
HIST FTTS ..... FIFRA/TSCA Tracking System Administrative Case Listing
DOT OPS ..... Incident and Accident Data
CONSENT ..... Superfund (CERCLA) Consent Decrees
INDIAN RESERV ..... Indian Reservations
FUSRAP ..... Formerly Utilized Sites Remedial Action Program
UMTRA ..... Uranium Mill Tailings Sites
LEAD SMELTERS ..... Lead Smelter Sites
US AIRS ..... Aerometric Information Retrieval System Facility Subsystem
US MINES ..... Mines Master Index File

EXECUTIVE SUMMARY

ABANDONED MINES	Abandoned Mines
FINDS	Facility Index System/Facility Registry System
DOCKET HWC	Hazardous Waste Compliance Docket Listing
ECHO	Enforcement & Compliance History Information
UXO	Unexploded Ordnance Sites
FUELS PROGRAM	EPA Fuels Program Registered Listing
PFAS NPL	Superfund Sites with PFAS Detections Information
PFAS FEDERAL SITES	Federal Sites PFAS Information
PFAS TSCA	PFAS Manufacture and Imports Information
PFAS RCRA MANIFEST	PFAS Transfers Identified In the RCRA Database Listing
PFAS ATSDR	PFAS Contamination Site Location Listing
PFAS WQP	Ambient Environmental Sampling for PFAS
PFAS NPDES	Clean Water Act Discharge Monitoring Information
PFAS ECHO	Facilities in Industries that May Be Handling PFAS Listing
PFAS ECHO FIRE TRAINING	Facilities in Industries that May Be Handling PFAS Listing
PFAS PART 139 AIRPORT	All Certified Part 139 Airports PFAS Information Listing
AQUEOUS FOAM NRC	Aqueous Foam Related Incidents Listing
PFAS	PFAS Contamination Site Location Listing
AQUEOUS FOAM	Former Fire Training Facility Assessments Listing
CA BOND EXP. PLAN	Bond Expenditure Plan
Cortese	"Cortese" Hazardous Waste & Substances Sites List
DRYCLEANERS	Cleaner Facilities
EMI	Emissions Inventory Data
ENF	Enforcement Action Listing
Financial Assurance	Financial Assurance Information Listing
ICE	ICE
HIST CORTESE	Hazardous Waste & Substance Site List
HWP	EnviroStor Permitted Facilities Listing
HWT	Registered Hazardous Waste Transporter Database
HAZNET	Facility and Manifest Data
MINES	Mines Site Location Listing
MWMP	Medical Waste Management Program Listing
NPDES	NPDES Permits Listing
PEST LIC	Pesticide Regulation Licenses Listing
PROC	Certified Processors Database
Notify 65	Proposition 65 Records
UIC	UIC Listing
UIC GEO	UIC GEO (GEOTRACKER)
WASTEWATER PITS	Oil Wastewater Pits Listing
WDS	Waste Discharge System
WIP	Well Investigation Program Case List
MILITARY PRIV SITES	MILITARY PRIV SITES (GEOTRACKER)
PROJECT	PROJECT (GEOTRACKER)
WDR	Waste Discharge Requirements Listing
CIWQS	California Integrated Water Quality System
CERS	CERS
NON-CASE INFO	NON-CASE INFO (GEOTRACKER)
OTHER OIL GAS	OTHER OIL & GAS (GEOTRACKER)
PROD WATER PONDS	PROD WATER PONDS (GEOTRACKER)
SAMPLING POINT	SAMPLING POINT (GEOTRACKER)
WELL STIM PROJ	Well Stimulation Project (GEOTRACKER)
MINES MRDS	Mineral Resources Data System
HWTS	Hazardous Waste Tracking System

EDR HIGH RISK HISTORICAL RECORDS

EDR Exclusive Records

EDR MGP	EDR Proprietary Manufactured Gas Plants

EXECUTIVE SUMMARY

EDR Hist Cleaner..... EDR Exclusive Historical Cleaners

EDR RECOVERED GOVERNMENT ARCHIVES

Exclusive Recovered Govt. Archives

RGA LF..... Recovered Government Archive Solid Waste Facilities List
RGA LUST..... Recovered Government Archive Leaking Underground Storage Tank

SURROUNDING SITES: SEARCH RESULTS

Surrounding sites were identified in the following databases.

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

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

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

STANDARD ENVIRONMENTAL RECORDS

Lists of Federal RCRA generators

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

A review of the RCRA-LQG list, as provided by EDR, and dated 11/21/2022 has revealed that there is 1 RCRA-LQG site within approximately 0.25 miles of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
LEMOORE SERVICE CENT EPA ID:: CAD980886980	***980 19TH AVE***	***SSW 0 - 1/8 (0.081 mi.)***	***C12***	***84***

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

A review of the RCRA-SQG list, as provided by EDR, and dated 11/21/2022 has revealed that there is 1 RCRA-SQG site within approximately 0.25 miles of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
ARTESIA READY MIX CO	***1000 19TH AVE***	***SSW 0 - 1/8 (0.097 mi.)***	***C22***	***155***

EXECUTIVE SUMMARY

EPA ID:: CAD983650649

Lists of state- and tribal hazardous waste facilities

ENVIROSTOR: The Department of Toxic Substances Control's (DTSC's) Site Mitigation and Brownfields Reuse Program's (SMBRP's) EnviroStor database identifes sites that have known contamination or sites for which there may be reasons to investigate further. The database includes the following site types: Federal Superfund sites (National Priorities List (NPL)); State Response, including Military Facilities and State Superfund; Voluntary Cleanup; and School sites. EnviroStor provides similar information to the information that was available in CalSites, and provides additional site information, including, but not limited to, identification of formerly-contaminated properties that have been released for reuse, properties where environmental deed restrictions have been recorded to prevent inappropriate land uses, and risk characterization information that is used to assess potential impacts to public health and the environment at contaminated sites.

A review of the ENVIROSTOR list, as provided by EDR, and dated 07/25/2022 has revealed that there are 2 ENVIROSTOR sites within approximately 1 mile of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
SELF HELP ENTERPRISE	***W VINE ST, SO OF HWY***	***ENE 1/4 - 1/2 (0.305 mi.)***	***38***	***214***
Facility Id: 16150001				
Status: Certified				

Lower Elevation	Address	Direction / Distance	Map ID	Page
LEMOORE AUXILIARY FI		***SSW 0 - 1/8 (0.089 mi.)***	***C13***	***90***
Facility Id: 80000577				
Status: Inactive - Needs Evaluation				

Lists of state and tribal registered storage tanks

UST: The Underground Storage Tank database contains registered USTs. USTs are regulated under Subtitle I of the Resource Conservation and Recovery Act (RCRA). The data come from the State Water Resources Control Board's Hazardous Substance Storage Container Database.

A review of the UST list, as provided by EDR, has revealed that there are 2 UST sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
LEMOORE CROSSINGS, L	1225 SIERRA CIR	W 0 - 1/8 (0.045 mi.)	A8	60
Database: UST, Date of Government Version: 08/31/2022				
Facility Id: FA0003172				
LEMOORE CROSSINGS FO	1225 SIERRA CIRCLE	W 0 - 1/8 (0.045 mi.)	A11	83
Database: UST, Date of Government Version: 08/31/2022				
Facility Id: FA0003172				

AST: A listing of aboveground storage tank petroleum storage tank locations.

A review of the AST list, as provided by EDR, has revealed that there are 3 AST sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
LEMOORE FACILITY	1000 19TH ST.	W 0 - 1/8 (0.014 mi.)	A1	9
Database: AST, Date of Government Version: 07/06/2016				

Lower Elevation	Address	Direction / Distance	Map ID	Page
LEMOORE AUXILIARY FI		***SSW 0 - 1/8 (0.089 mi.)***	***C13***	***90***
Database: AST, Date of Government Version: 07/06/2016				
CEMEX CONSTRUCTION M	1000 S 19TH AVE	SSW 0 - 1/8 (0.089 mi.)	C15	94
Database: AST, Date of Government Version: 07/06/2016				

Lists of state and tribal voluntary cleanup sites

VCP: Contains low threat level properties with either confirmed or unconfirmed releases and the project proponents have request that DTSC oversee investigation and/or cleanup activities and have agreed to provide coverage for DTSC's costs.

A review of the VCP list, as provided by EDR, and dated 07/25/2022 has revealed that there is 1 VCP site within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
SELF HELP ENTERPRISE	***W VINE ST, SO OF HWY***	***ENE 1/4 - 1/2 (0.305 mi.)***	***38***	***214***
Status: Certified				
Facility Id: 16150001				

ADDITIONAL ENVIRONMENTAL RECORDS

Local Lists of Landfill / Solid Waste Disposal Sites

WMUDS/SWAT: The Waste Management Unit Database System is used for program tracking and inventory of waste management units. The source is the State Water Resources Control Board.

A review of the WMUDS/SWAT list, as provided by EDR, and dated 04/01/2000 has revealed that there is 1 WMUDS/SWAT site within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
LEMOORE CITY LANDFIL		ESE 1/4 - 1/2 (0.410 mi.)	39	221

EXECUTIVE SUMMARY

Local Lists of Hazardous waste / Contaminated Sites

CERS HAZ WASTE: List of sites in the California Environmental Protection Agency (CalEPA) Regulated Site Portal which fall under the Hazardous Chemical Management, Hazardous Waste Onsite Treatment, Household Hazardous Waste Collection, Hazardous Waste Generator, and RCRA LQ HW Generator programs.

A review of the CERS HAZ WASTE list, as provided by EDR, and dated 07/18/2022 has revealed that there are 6 CERS HAZ WASTE sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
ECONOMY AUTO WRECKIN	*977 W IONA AVE*	*ESE 0 - 1/8 (0.113 mi.)*	*E24*	*169*
LEMOORE CANAL & IRRI	*877 W IONA AVE*	*ESE 1/8 - 1/4 (0.166 mi.)*	*G30*	*192*

Lower Elevation	Address	Direction / Distance	Map ID	Page
CEMEX LEMOORE PLANT	*1000 S 19TH AVE*	*SSW 0 - 1/8 (0.089 mi.)*	*C16*	*94*
GAR BENNETT, LLC - L	*955 S COMMERCE WAY*	*WSW 0 - 1/8 (0.094 mi.)*	*D20*	*148*
MCCANN & SONS HAY SE	*1356 W IONA AVE*	*W 1/8 - 1/4 (0.152 mi.)*	*F28*	*181*
AGUSA INC.	*1055 S 19TH AVE*	*SSW 1/8 - 1/4 (0.180 mi.)*	*H32*	*199*

Local Lists of Registered Storage Tanks

CERS TANKS: List of sites in the California Environmental Protection Agency (CalEPA) Regulated Site Portal which fall under the Aboveground Petroleum Storage and Underground Storage Tank regulatory programs.

A review of the CERS TANKS list, as provided by EDR, and dated 07/18/2022 has revealed that there are 3 CERS TANKS sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
COAST GAS/AMERIGAS	*1139 W IONA AVE*	*S 0 - 1/8 (0.016 mi.)*	*B4*	*11*
LEMOORE CROSSINGS, L	*1225 SIERRA CIR*	*W 0 - 1/8 (0.045 mi.)*	*A10*	*62*

Lower Elevation	Address	Direction / Distance	Map ID	Page
CEMEX LEMOORE PLANT	*1000 S 19TH AVE*	*SSW 0 - 1/8 (0.089 mi.)*	*C16*	*94*

Other Ascertainable Records

RCRA NonGen / NLR: RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Non-Generators do not presently generate hazardous waste.

A review of the RCRA NonGen / NLR list, as provided by EDR, and dated 11/21/2022 has revealed that there are 14 RCRA NonGen / NLR sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
LEMOORE AUTO WRECKIN	1069 W IONA AVE	SE 0 - 1/8 (0.017 mi.)	B5	14

EPA ID:: CAL000289887				
AGUILARS AUTOMOTIVE EPA ID:: CAL000414675	1069 W IONA AVE UNIT	SE 0 - 1/8 (0.017 mi.)	B6	16
GREEN COMPASS ENVIRO EPA ID:: CAR000239681	***1069 W IONA AVE***	***SE 0 - 1/8 (0.017 mi.)***	***B7***	***19***
ECONONMY AUTO WRECKI EPA ID:: CAL000442532	977 W IONA	ESE 0 - 1/8 (0.113 mi.)	E23	167
ECONOMY AUTO WRECKIN EPA ID:: CAL000096242	977 W IONA AVE	ESE 0 - 1/8 (0.113 mi.)	E25	175
LEMOORE CANAL & IRRI EPA ID:: CAL000316569	877 W IONA AVE	ESE 1/8 - 1/4 (0.166 mi.)	G31	197
LUHSD - TRANSPORTATI EPA ID:: CAL000194315	857 IONA AVE	ESE 1/8 - 1/4 (0.183 mi.)	G35	206
CARLOS RAMOS PEREZ D EPA ID:: CAL000474193	1286 SAN SIMEON DR	NNW 1/8 - 1/4 (0.184 mi.)	36	209
SUPERIOR TRUCK LINES EPA ID:: CAL000348313	898 IONA AVE	E 1/8 - 1/4 (0.223 mi.)	37	211

Lower Elevation	**Address**	**Direction / Distance**	**Map ID**	**Page**
CEMEX CONSTRUCTION M EPA ID:: CAL000301981	1000 S 19TH AVE	SSW 0 - 1/8 (0.089 mi.)	C14	91
BENNETT ENVIRONMENTA EPA ID:: CAL000446461	955 S COMMERCE WAY	WSW 0 - 1/8 (0.094 mi.)	D18	145
GAR BENNETT LLC EPA ID:: CAL000455622	955 S COMMERCE WAY	WSW 0 - 1/8 (0.094 mi.)	D21	152
MCCANN & SONS HAY SE EPA ID:: CAL000362674	1356 W IONA AVE	W 1/8 - 1/4 (0.152 mi.)	F27	178
AGUSA INC EPA ID:: CAL000277504	1055 S 19TH AVE	SSW 1/8 - 1/4 (0.180 mi.)	H33	203

CUPA Listings: A listing of sites included in the county's Certified Unified Program Agency database. California's Secretary for Environmental Protection established the unified hazardous materials and hazardous waste regulatory program as required by chapter 6.11 of the California Health and Safety Code. The Unified Program consolidates the administration, permits, inspections, and enforcement activities.

A review of the CUPA Listings list, as provided by EDR, has revealed that there are 10 CUPA Listings sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	**Address**	**Direction / Distance**	**Map ID**	**Page**
PACIFIC GAS & ELECTR	980 19TH AVE	W 0 - 1/8 (0.015 mi.)	A2	9
Database: CUPA KINGS, Date of Government Version: 12/03/2020 Status: I Status: A Facility Id: FA0000233 Facility Id: FA0004459				
COAST GAS/AMERIGAS	1139 W IONA AVE	S 0 - 1/8 (0.016 mi.)	B3	11
Database: CUPA KINGS, Date of Government Version: 12/03/2020				

Status: I
Status: A
Facility Id: FA0000248

LEMOORE CROSSINGS, L ***1225 SIERRA CIR*** ***W 0 - 1/8 (0.045 mi.)*** ***A10*** ***62***
Database: CUPA KINGS, Date of Government Version: 12/03/2020
Status: I
Status: A
Facility Id: FA0003172

ECONOMY AUTO WRECKIN ***977 W IONA AVE*** ***ESE 0 - 1/8 (0.113 mi.)*** ***E24*** ***169***
Database: CUPA KINGS, Date of Government Version: 12/03/2020
Status: I
Status: A
Facility Id: FA0000646

LEMOORE CANAL & IRRI 877 W IONA AVE ESE 1/8 - 1/4 (0.166 mi.) G29 192
Database: CUPA KINGS, Date of Government Version: 12/03/2020
Status: I
Status: A
Facility Id: FA0000644

Lower Elevation	Address	Direction / Distance	Map ID	Page

CEMEX CONSTRUCTION M ***1000 S 19TH AVE*** ***SSW 0 - 1/8 (0.089 mi.)*** ***C17*** ***131***
Database: CUPA KINGS, Date of Government Version: 12/03/2020
Status: I
Status: A
Facility Id: FA0002876

VALLEY CYCLE & MARIN 955 COMMERCE WY WSW 0 - 1/8 (0.094 mi.) D19 147
Database: CUPA KINGS, Date of Government Version: 12/03/2020
Status: I
Facility Id: FA0001690

BENNETT & BENNETT IR 995 COMMERCE WY W 1/8 - 1/4 (0.145 mi.) D26 177
Database: CUPA KINGS, Date of Government Version: 12/03/2020
Status: A
Facility Id: FA0004770

MCCANN & SONS HAY SE ***1356 W IONA AVE*** ***W 1/8 - 1/4 (0.152 mi.)*** ***F28*** ***181***
Database: CUPA KINGS, Date of Government Version: 12/03/2020
Status: I
Status: A
Facility Id: FA0000421

AGUSA 1055 S 19TH AVE SSW 1/8 - 1/4 (0.180 mi.) H34 205
Database: CUPA KINGS, Date of Government Version: 12/03/2020
Status: I
Status: A
Facility Id: FA0003927

EDR HIGH RISK HISTORICAL RECORDS

EDR Exclusive Records

EXECUTIVE SUMMARY

EDR Hist Auto: EDR has searched selected national collections of business directories and has collected listings of potential gas station/filling station/service station sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include gas station/filling station/service station establishments. The categories reviewed included, but were not limited to gas, gas station, gasoline station, filling station, auto, automobile repair, auto service station, service station, etc. This database falls within a category of information EDR classifies as "High Risk Historical Records", or HRHR. EDR's HRHR effort presents unique and sometimes proprietary data about past sites and operations that typically create environmental concerns, but may not show up in current government records searches.

A review of the EDR Hist Auto list, as provided by EDR, has revealed that there is 1 EDR Hist Auto site within approximately 0.125 miles of the target property.

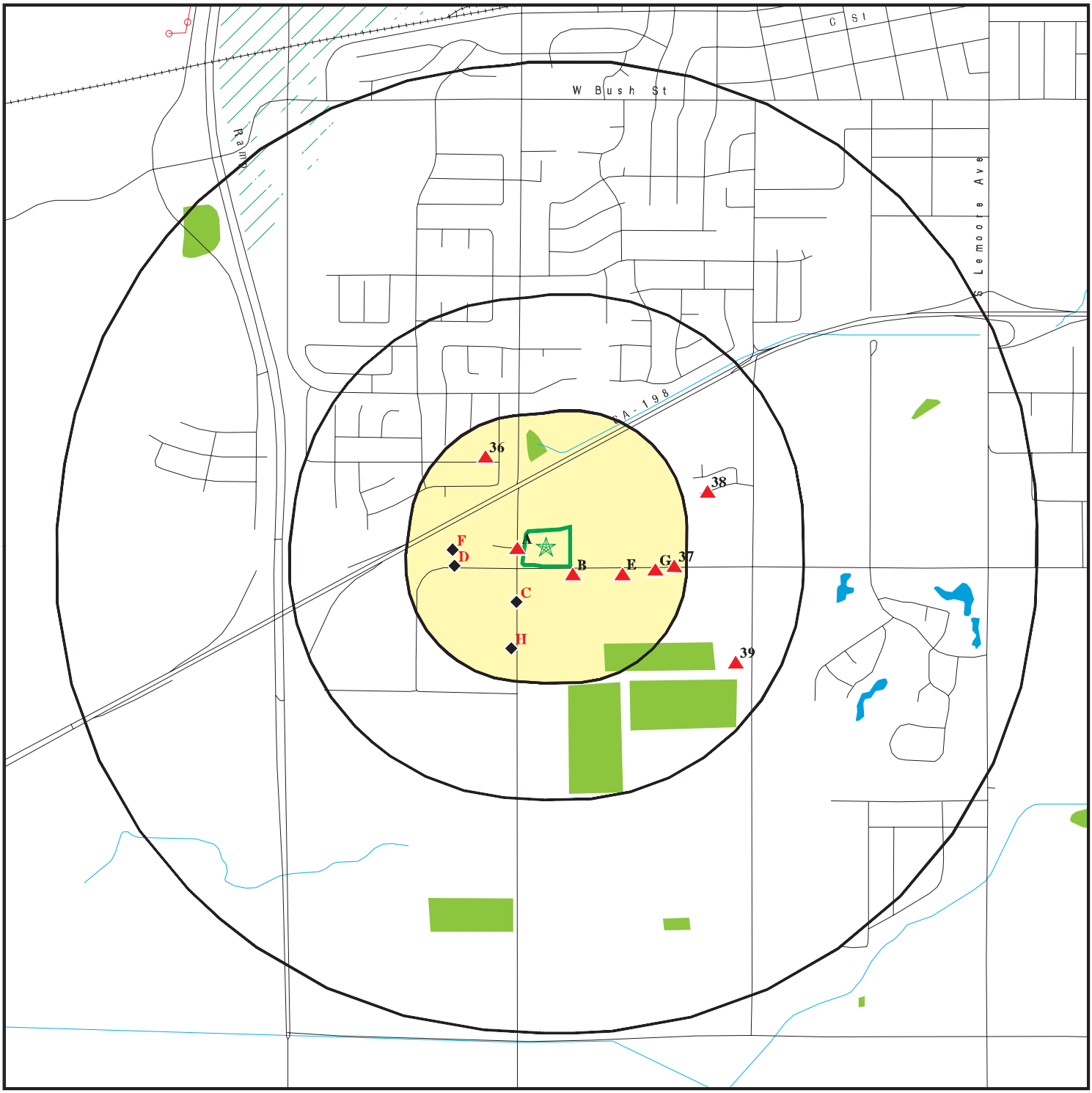
Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
LEMOOR CROSSING	1225 SIERRA CIR	W 0 - 1/8 (0.045 mi.)	A9	62

EXECUTIVE SUMMARY

Due to poor or inadequate address information, the following sites were not mapped. Count: 1 records.

Site Name	Database(s)
LEMOORE TRANSFER STATION	SWF/LF

OVERVIEW MAP - 7208034.2S

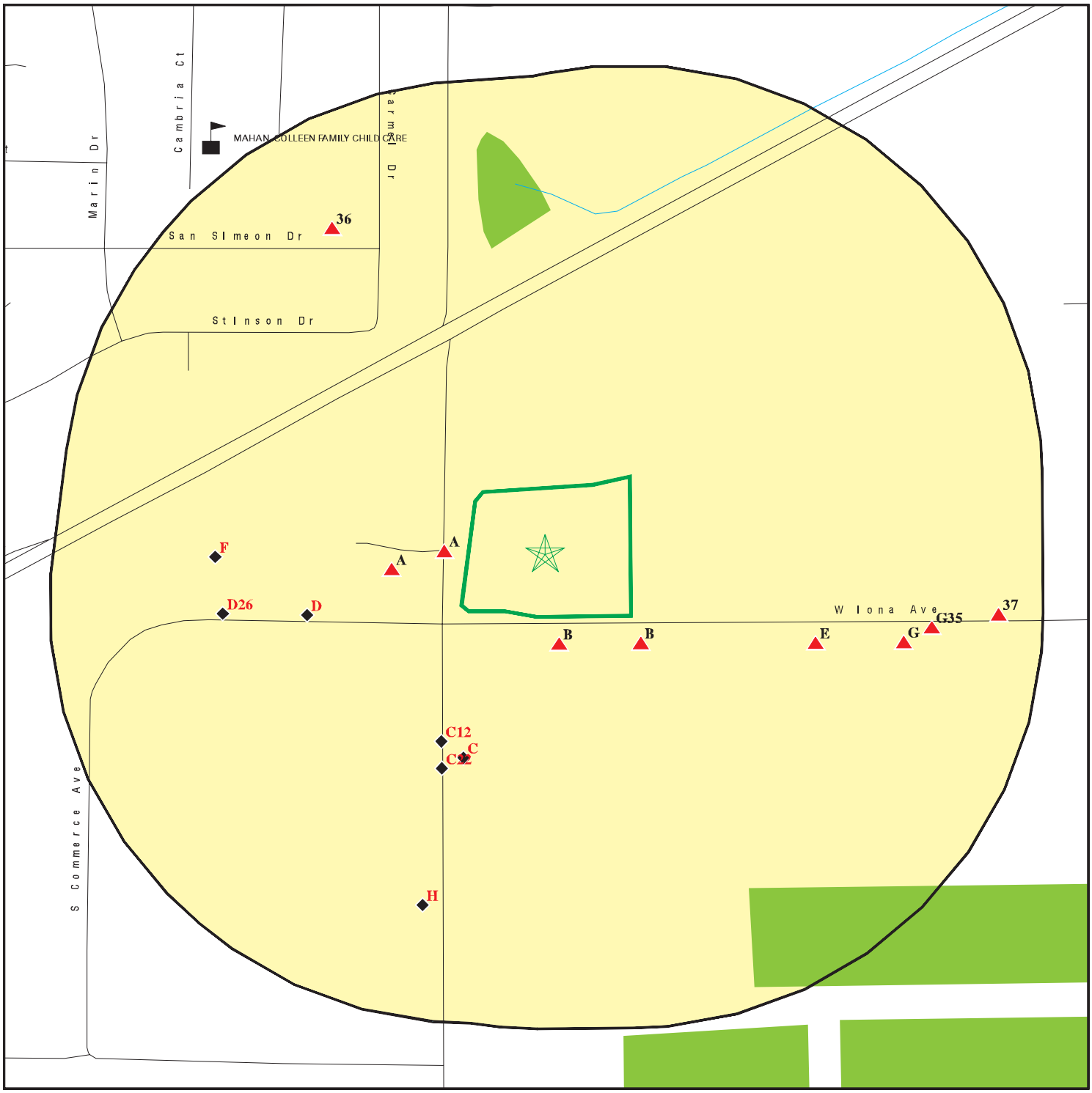


- Target Property
- Sites at elevations higher than or equal to the target property
- Sites at elevations lower than the target property
- Manufactured Gas Plants
- National Priority List Sites
- Dept. Defense Sites
- Indian Reservations BIA
- Power transmission lines
- Special Flood Hazard Area (1%)
- 0.2% Annual Chance Flood Hazard
- National Wetland Inventory
- State Wetlands
- Areas of Concern

This report includes Interactive Map Layers to display and/or hide map information. The legend includes only those icons for the default map view.

SITE NAME:	Proposed Maverick Fuel Center Station	CLIENT:	RMA Geoscience
ADDRESS:	18806 IONA AVE LEMOORE CA 93245	CONTACT:	Jim Vue
		INQUIRY #:	7208034.2s
LAT/LONG:	36.284343 / 119.797807	DATE:	December 19, 2022 5:31 pm

DETAIL MAP - 7208034.2S



Target Property

Sites at elevations higher than or equal to the target property

Sites at elevations lower than the target property

Manufactured Gas Plants

Sensitive Receptors

National Priority List Sites

Dept. Defense Sites

0 1/16 1/8 1/4 Miles

Indian Reservations BIA

Special Flood Hazard Area (1%)

0.2% Annual Chance Flood Hazard

National Wetland Inventory

State Wetlands

Areas of Concern

This report includes Interactive Map Layers to display and/or hide map information. The legend includes only those icons for the default map view.

SITE NAME:	Proposed Maverick Fuel Center Station	CLIENT:	RMA Geoscience
ADDRESS:	18806 IONA AVE LEMOORE CA 93245	CONTACT:	Jim Vue
LAT/LONG:	36.284343 / 119.797807	INQUIRY #:	7208034.2s
		DATE:	December 19, 2022 5:32 pm

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
STANDARD ENVIRONMENTAL RECORDS								
Lists of Federal NPL (Superfund) sites								
NPL	1.000		0	0	0	0	NR	0
Proposed NPL	1.000		0	0	0	0	NR	0
NPL LIENS	1.000		0	0	0	0	NR	0
Lists of Federal Delisted NPL sites								
Delisted NPL	1.000		0	0	0	0	NR	0
Lists of Federal sites subject to CERCLA removals and CERCLA orders								
FEDERAL FACILITY	0.500		0	0	0	NR	NR	0
SEMS	0.500		0	0	0	NR	NR	0
Lists of Federal CERCLA sites with NFRAP								
SEMS-ARCHIVE	0.500		0	0	0	NR	NR	0
Lists of Federal RCRA facilities undergoing Corrective Action								
CORRACTS	1.000		0	0	0	0	NR	0
Lists of Federal RCRA TSD facilities								
RCRA-TSDF	0.500		0	0	0	NR	NR	0
Lists of Federal RCRA generators								
RCRA-LQG	0.250		1	0	NR	NR	NR	1
RCRA-SQG	0.250		1	0	NR	NR	NR	1
RCRA-VSQG	0.250		0	0	NR	NR	NR	0
Federal institutional controls / engineering controls registries								
LUCIS	0.500		0	0	0	NR	NR	0
US ENG CONTROLS	0.500		0	0	0	NR	NR	0
US INST CONTROLS	0.500		0	0	0	NR	NR	0
Federal ERNS list								
ERNS	0.001		0	NR	NR	NR	NR	0
Lists of state- and tribal (Superfund) equivalent sites								
RESPONSE	1.000		0	0	0	0	NR	0
Lists of state- and tribal hazardous waste facilities								
ENVIROSTOR	1.000		1	0	1	0	NR	2
Lists of state and tribal landfills and solid waste disposal facilities								
SWF/LF	0.500		0	0	0	NR	NR	0

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
Lists of state and tribal leaking storage tanks								
LUST	0.500		0	0	0	NR	NR	0
INDIAN LUST	0.500		0	0	0	NR	NR	0
CPS-SLIC	0.500		0	0	0	NR	NR	0
Lists of state and tribal registered storage tanks								
FEMA UST	0.250		0	0	NR	NR	NR	0
UST	0.250		2	0	NR	NR	NR	2
AST	0.250		3	0	NR	NR	NR	3
INDIAN UST	0.250		0	0	NR	NR	NR	0
Lists of state and tribal voluntary cleanup sites								
VCP	0.500		0	0	1	NR	NR	1
INDIAN VCP	0.500		0	0	0	NR	NR	0
Lists of state and tribal brownfield sites								
BROWNFIELDS	0.500		0	0	0	NR	NR	0
ADDITIONAL ENVIRONMENTAL RECORDS								
Local Brownfield lists								
US BROWNFIELDS	0.500		0	0	0	NR	NR	0
Local Lists of Landfill / Solid Waste Disposal Sites								
WMUDS/SWAT	0.500		0	0	1	NR	NR	1
SWRCY	0.500		0	0	0	NR	NR	0
HAULERS	0.001		0	NR	NR	NR	NR	0
INDIAN ODI	0.500		0	0	0	NR	NR	0
DEBRIS REGION 9	0.500		0	0	0	NR	NR	0
ODI	0.500		0	0	0	NR	NR	0
IHS OPEN DUMPS	0.500		0	0	0	NR	NR	0
Local Lists of Hazardous waste / Contaminated Sites								
US HIST CDL	0.001		0	NR	NR	NR	NR	0
HIST Cal-Sites	1.000		0	0	0	0	NR	0
SCH	0.250		0	0	NR	NR	NR	0
CDL	0.001		0	NR	NR	NR	NR	0
Toxic Pits	1.000		0	0	0	0	NR	0
CERS HAZ WASTE	0.250		3	3	NR	NR	NR	6
US CDL	0.001		0	NR	NR	NR	NR	0
Local Lists of Registered Storage Tanks								
SWEEPS UST	0.250		0	0	NR	NR	NR	0
HIST UST	0.250		0	0	NR	NR	NR	0
CERS TANKS	0.250		3	0	NR	NR	NR	3
CA FID UST	0.250		0	0	NR	NR	NR	0
Local Land Records								
LIENS	0.001		0	NR	NR	NR	NR	0

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
LIENS 2	0.001		0	NR	NR	NR	NR	0
DEED	0.500		0	0	0	NR	NR	0
Records of Emergency Release Reports								
HMIRS	0.001		0	NR	NR	NR	NR	0
CHMIRS	0.001		0	NR	NR	NR	NR	0
LDS	0.001		0	NR	NR	NR	NR	0
MCS	0.001		0	NR	NR	NR	NR	0
SPILLS 90	0.001		0	NR	NR	NR	NR	0
Other Ascertainable Records								
RCRA NonGen / NLR	0.250		8	6	NR	NR	NR	14
FUDS	1.000		0	0	0	0	NR	0
DOD	1.000		0	0	0	0	NR	0
SCRD DRYCLEANERS	0.500		0	0	0	NR	NR	0
US FIN ASSUR	0.001		0	NR	NR	NR	NR	0
EPA WATCH LIST	0.001		0	NR	NR	NR	NR	0
2020 COR ACTION	0.250		0	0	NR	NR	NR	0
TSCA	0.001		0	NR	NR	NR	NR	0
TRIS	0.001		0	NR	NR	NR	NR	0
SSTS	0.001		0	NR	NR	NR	NR	0
ROD	1.000		0	0	0	0	NR	0
RMP	0.001		0	NR	NR	NR	NR	0
RAATS	0.001		0	NR	NR	NR	NR	0
PRP	0.001		0	NR	NR	NR	NR	0
PADS	0.001		0	NR	NR	NR	NR	0
ICIS	0.001		0	NR	NR	NR	NR	0
FTTS	0.001		0	NR	NR	NR	NR	0
MLTS	0.001		0	NR	NR	NR	NR	0
COAL ASH DOE	0.001		0	NR	NR	NR	NR	0
COAL ASH EPA	0.500		0	0	0	NR	NR	0
PCB TRANSFORMER	0.001		0	NR	NR	NR	NR	0
RADINFO	0.001		0	NR	NR	NR	NR	0
HIST FTTS	0.001		0	NR	NR	NR	NR	0
DOT OPS	0.001		0	NR	NR	NR	NR	0
CONSENT	1.000		0	0	0	0	NR	0
INDIAN RESERV	1.000		0	0	0	0	NR	0
FUSRAP	1.000		0	0	0	0	NR	0
UMTRA	0.500		0	0	0	NR	NR	0
LEAD SMELTERS	0.001		0	NR	NR	NR	NR	0
US AIRS	0.001		0	NR	NR	NR	NR	0
US MINES	0.250		0	0	NR	NR	NR	0
ABANDONED MINES	0.250		0	0	NR	NR	NR	0
FINDS	0.001		0	NR	NR	NR	NR	0
DOCKET HWC	0.001		0	NR	NR	NR	NR	0
ECHO	0.001		0	NR	NR	NR	NR	0
UXO	1.000		0	0	0	0	NR	0
FUELS PROGRAM	0.250		0	0	NR	NR	NR	0
PFAS NPL	0.250		0	0	NR	NR	NR	0
PFAS FEDERAL SITES	0.250		0	0	NR	NR	NR	0
PFAS TSCA	0.250		0	0	NR	NR	NR	0

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
PFAS RCRA MANIFEST	0.250		0	0	NR	NR	NR	0
PFAS ATSDR	0.250		0	0	NR	NR	NR	0
PFAS WQP	0.250		0	0	NR	NR	NR	0
PFAS NPDES	0.250		0	0	NR	NR	NR	0
PFAS ECHO	0.250		0	0	NR	NR	NR	0
PFAS ECHO FIRE TRAINING	0.250		0	0	NR	NR	NR	0
PFAS PART 139 AIRPORT	0.250		0	0	NR	NR	NR	0
AQUEOUS FOAM NRC	0.250		0	0	NR	NR	NR	0
PFAS	0.250		0	0	NR	NR	NR	0
AQUEOUS FOAM	TP		NR	NR	NR	NR	NR	0
CA BOND EXP. PLAN	1.000		0	0	0	0	NR	0
Cortese	0.500		0	0	0	NR	NR	0
CUPA Listings	0.250		6	4	NR	NR	NR	10
DRYCLEANERS	0.250		0	0	NR	NR	NR	0
EMI	0.001		0	NR	NR	NR	NR	0
ENF	0.001		0	NR	NR	NR	NR	0
Financial Assurance	0.001		0	NR	NR	NR	NR	0
ICE	0.001		0	NR	NR	NR	NR	0
HIST CORTESE	0.500		0	0	0	NR	NR	0
HWP	1.000		0	0	0	0	NR	0
HWT	0.250		0	0	NR	NR	NR	0
HAZNET	0.001		0	NR	NR	NR	NR	0
MINES	0.250		0	0	NR	NR	NR	0
MWMP	0.250		0	0	NR	NR	NR	0
NPDES	0.001		0	NR	NR	NR	NR	0
PEST LIC	0.001		0	NR	NR	NR	NR	0
PROC	0.500		0	0	0	NR	NR	0
Notify 65	1.000		0	0	0	0	NR	0
UIC	0.001		0	NR	NR	NR	NR	0
UIC GEO	0.001		0	NR	NR	NR	NR	0
WASTEWATER PITS	0.500		0	0	0	NR	NR	0
WDS	0.001		0	NR	NR	NR	NR	0
WIP	0.250		0	0	NR	NR	NR	0
MILITARY PRIV SITES	0.001		0	NR	NR	NR	NR	0
PROJECT	0.001		0	NR	NR	NR	NR	0
WDR	0.001		0	NR	NR	NR	NR	0
CIWQS	0.001		0	NR	NR	NR	NR	0
CERS	0.001		0	NR	NR	NR	NR	0
NON-CASE INFO	0.001		0	NR	NR	NR	NR	0
OTHER OIL GAS	0.001		0	NR	NR	NR	NR	0
PROD WATER PONDS	0.001		0	NR	NR	NR	NR	0
SAMPLING POINT	0.001		0	NR	NR	NR	NR	0
WELL STIM PROJ	0.001		0	NR	NR	NR	NR	0
MINES MRDS	0.001		0	NR	NR	NR	NR	0
HWTS	TP		NR	NR	NR	NR	NR	0
EDR HIGH RISK HISTORICAL RECORDS								
EDR Exclusive Records								
EDR MGP	1.000		0	0	0	0	NR	0

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
EDR Hist Auto	0.125		1	NR	NR	NR	NR	1
EDR Hist Cleaner	0.125		0	NR	NR	NR	NR	0
EDR RECOVERED GOVERNMENT ARCHIVES								
Exclusive Recovered Govt. Archives								
RGA LF	0.001		0	NR	NR	NR	NR	0
RGA LUST	0.001		0	NR	NR	NR	NR	0
- Totals --		0	29	13	3	0	0	45

NOTES:

TP = Target Property

NR = Not Requested at this Search Distance

Sites may be listed in more than one database

A1 **LEMOORE FACILITY** **AST** **A100160484**
West **1000 19TH ST.** **N/A**
< 1/8 **LEMOORE, CA**
0.014 mi.
72 ft. **Site 1 of 6 in cluster A**

Relative:
Higher

Actual:
222 ft.

AST:

Name:	LEMOORE FACILITY
Address:	1000 19TH ST.
City/Zip:	LEMOORE,
Certified Unified Program Agencies:	Kings
Owner:	ARTESIA READY MIX CONCRETE,INC
Total Gallons:	12,000
CERSID:	Not reported
Facility ID:	Not reported
Business Name:	Not reported
Phone:	Not reported
Fax:	Not reported
Mailing Address:	Not reported
Mailing Address City:	Not reported
Mailing Address State:	Not reported
Mailing Address Zip Code:	Not reported
Operator Name:	Not reported
Operator Phone:	Not reported
Owner Phone:	Not reported
Owner Mail Address:	Not reported
Owner State:	Not reported
Owner Zip Code:	Not reported
Owner Country:	Not reported
Property Owner Name:	Not reported
Property Owner Phone:	Not reported
Property Owner Mailing Address:	Not reported
Property Owner City:	Not reported
Property Owner Stat :	Not reported
Property Owner Zip Code:	Not reported
Property Owner Country:	Not reported
EPAID:	Not reported

A2 **PACIFIC GAS & ELECTRIC COMPANY** **CUPA Listings** **S103677671**
West **980 19TH AVE** **N/A**
< 1/8 **SAN FRANCISCO, CA 93245**
0.015 mi.
77 ft. **Site 2 of 6 in cluster A**

Relative:
Higher

Actual:
222 ft.

CUPA KINGS:

Name:	PACIFIC GAS & ELECTRIC COMPANY
Address:	980 19TH AVE
City,State,Zip:	SAN FRANCISCO, CA 93245
Region:	KING
Facility Id:	FA0000233
Status:	I
PE:	1901
Mailing Address 1:	P. O. BOX 7640
Mailing State:	CA
Mailing Zip:	94120
Decode of Fstatus:	InActive
Mailing Name:	PACIFIC GAS & ELECTRIC COMPANY
Name:	PACIFIC GAS & ELECTRIC COMPANY
Address:	980 19TH AVE

PACIFIC GAS & ELECTRIC COMPANY (Continued) **S103677671**

City,State,Zip:	SAN FRANCISCO, CA 93245
Region:	KING
Facility Id:	FA0000233
Status:	I
PE:	2113
Mailing Address 1:	P. O. BOX 7640
Mailing State:	CA
Mailing Zip:	94120
Decode of Fstatus:	InActive
Mailing Name:	PACIFIC GAS & ELECTRIC COMPANY

Name:	PACIFIC GAS & ELECTRIC COMPANY
Address:	980 19TH AVE
City,State,Zip:	SAN FRANCISCO, CA 93245
Region:	KING
Facility Id:	FA0000233
Status:	I
PE:	2226
Mailing Address 1:	P. O. BOX 7640
Mailing State:	CA
Mailing Zip:	94120
Decode of Fstatus:	InActive
Mailing Name:	PACIFIC GAS & ELECTRIC COMPANY

Name:	PG&E: LEMOORE SERVICE CENTER
Address:	980 19TH AVE
City,State,Zip:	SAN FRANCISCO, CA 93245
Region:	KING
Facility Id:	FA0004459
Status:	I
PE:	1901
Mailing Address 1:	P.O. BOX 7640
Mailing State:	CA
Mailing Zip:	94120
Decode of Fstatus:	InActive
Mailing Name:	PACIFIC GAS AND ELECTRIC COMPANY

Name:	PG&E: LEMOORE SERVICE CENTER
Address:	980 19TH AVE
City,State,Zip:	SAN FRANCISCO, CA 93245
Region:	KING
Facility Id:	FA0004459
Status:	A
PE:	2226
Mailing Address 1:	P.O. BOX 7640
Mailing State:	CA
Mailing Zip:	94120
Decode of Fstatus:	Active
Mailing Name:	PACIFIC GAS AND ELECTRIC COMPANY

B3 **COAST GAS/AMERIGAS** **CUPA Listings** **S110761247**
South **1139 W IONA AVE** **N/A**
< 1/8 **, CA 93245**
0.016 mi.
86 ft. **Site 1 of 5 in cluster B**

Relative:
Higher

Actual:
222 ft.

CUPA KINGS:

Name:	COAST GAS/AMERIGAS
Address:	1139 W IONA AVE
City,State,Zip:	CA 93245
Region:	KING
Facility Id:	FA0000248
Status:	I
PE:	2113
Mailing Address 1:	P O BOX 310
Mailing State:	Not reported
Mailing Zip:	93625
Decode of Fstatus:	InActive
Mailing Name:	Ameri Gas

Name:	COAST GAS/AMERIGAS
Address:	1139 W IONA AVE
City,State,Zip:	CA 93245
Region:	KING
Facility Id:	FA0000248
Status:	A
PE:	2227
Mailing Address 1:	P O BOX 310
Mailing State:	Not reported
Mailing Zip:	93625
Decode of Fstatus:	Active
Mailing Name:	Ameri Gas

B4 **COAST GAS/AMERIGAS** **CERS TANKS** **S121772266**
South **1139 W IONA AVE** **CERS** **N/A**
< 1/8 **LEMOORE, CA 93245**
0.016 mi.
86 ft. **Site 2 of 5 in cluster B**

Relative:
Higher

Actual:
222 ft.

CERS TANKS:

Name:	COAST GAS/AMERIGAS
Address:	1139 W IONA AVE
City,State,Zip:	LEMOORE, CA 93245
Site ID:	390269
CERS ID:	10485553
CERS Description:	Aboveground Petroleum Storage

CERS:

Name:	COAST GAS/AMERIGAS
Address:	1139 W IONA AVE
City,State,Zip:	LEMOORE, CA 93245
Site ID:	390269
CERS ID:	10485553
CERS Description:	Chemical Storage Facilities

Evaluation:

Eval General Type:	Compliance Evaluation Inspection
Eval Date:	06-10-2014
Violations Found:	No
Eval Type:	Routine done by local agency

COAST GAS/AMERIGAS (Continued) **S121772266**

Eval Notes: Plan is current and on line. Please upload Emergency Response Plan as well. Thank you.
Eval Division: Kings County Environmental Health
Eval Program: HMRRP
Eval Source: CERS,

Coordinates:
Site ID: 390269
Facility Name: Coast Gas/Amerigas
Env Int Type Code: HMBP
Program ID: 10485553
Coord Name: Not reported
Ref Point Type Desc: Center of a facility or station.,
Latitude: 36.283380
Longitude: -119.797690

Affiliation:
Affiliation Type Desc: Operator
Entity Name: amerigas
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: (559) 834-3017,

Affiliation Type Desc: Property Owner
Entity Name: Amerigas
Entity Title: Not reported
Affiliation Address: P.O. Box 310
Affiliation City: Fowler
Affiliation State: CA
Affiliation Country: United States
Affiliation Zip: 93625
Affiliation Phone: (559) 834-3017,

Affiliation Type Desc: Identification Signer
Entity Name: Mike Vieira
Entity Title: District Manager
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: ,

Affiliation Type Desc: Parent Corporation
Entity Name: Amerigas Fowler5162
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: ,

COAST GAS/AMERIGAS (Continued) **S121772266**

Affiliation Type Desc:	CUPA District
Entity Name:	Kings County Env Health
Entity Title:	Not reported
Affiliation Address:	330 Campus Drive
Affiliation City:	Hanford
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	93230
Affiliation Phone:	(559) 584-1411,

Affiliation Type Desc:	Document Preparer
Entity Name:	Mike Vieira
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	,

Affiliation Type Desc:	Environmental Contact
Entity Name:	Mike Vieira
Entity Title:	Not reported
Affiliation Address:	P.O. Box 310
Affiliation City:	Fowler
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	93625
Affiliation Phone:	,

Affiliation Type Desc:	Facility Mailing Address
Entity Name:	Mailing Address
Entity Title:	Not reported
Affiliation Address:	P.O. Box 310
Affiliation City:	Fowler
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	93625
Affiliation Phone:	,

Affiliation Type Desc:	Legal Owner
Entity Name:	amerigas
Entity Title:	Not reported
Affiliation Address:	P.O. Box 310
Affiliation City:	Fowler
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	93625
Affiliation Phone:	(559) 834-3017,

B5 **LEMOORE AUTO WRECKING & SALES** **RCRA NonGen / NLR** **1024810471**
SE **1069 W IONA AVE** **CAL000289887**
< 1/8 **LEMOORE, CA 93245**
0.017 mi.
92 ft. **Site 3 of 5 in cluster B**

Relative: **Higher**
Actual: **222 ft.**

RCRA Listings:

Date Form Received by Agency:		20041231
Handler Name:	LEMOORE AUTO WRECKING & SALES	
Handler Address:		1069 W IONA AVE
Handler City,State,Zip:		LEMOORE, CA 93245-9716
EPA ID:		CAL000289887
Contact Name:		BRYAN BURNES
Contact Address:		1069 W IONA AVE
Contact City,State,Zip:		LEMOORE, CA 93245
Contact Telephone:		559-924-3447
Contact Fax:		000-000-0000
Contact Email:		LAW93245@YAHOO.COM
Contact Title:		Not reported
EPA Region:		09
Land Type:		Not reported
Federal Waste Generator Description:		Not a generator, verified
Non-Notifier:		Not reported
Biennial Report Cycle:		Not reported
Accessibility:		Not reported
Active Site Indicator:		Handler Activities
State District Owner:		Not reported
State District:		Not reported
Mailing Address:		1069 W IONA AVE
Mailing City,State,Zip:		LEMOORE, CA 93245-9716
Owner Name:	BRYAN BURNES	
Owner Type:		Other
Operator Name:	BRYAN BURNES	
Operator Type:		Other
Short-Term Generator Activity:		No
Importer Activity:		No
Mixed Waste Generator:		No
Transporter Activity:		No
Transfer Facility Activity:		No
Recycler Activity with Storage:		No
Small Quantity On-Site Burner Exemption:		No
Smelting Melting and Refining Furnace Exemption:		No
Underground Injection Control:		No
Off-Site Waste Receipt:		No
Universal Waste Indicator:		Yes
Universal Waste Destination Facility:		Yes
Federal Universal Waste:		No
Active Site Fed-Reg Treatment Storage and Disposal Facility:		Not reported
Active Site Converter Treatment storage and Disposal Facility:		Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:		Not reported
Active Site State-Reg Handler:		---
Federal Facility Indicator:		Not reported
Hazardous Secondary Material Indicator:		N
Sub-Part K Indicator:		Not reported
Commercial TSD Indicator:		No
Treatment Storage and Disposal Type:		Not reported
2018 GPRA Permit Baseline:		Not on the Baseline
2018 GPRA Renewals Baseline:		Not on the Baseline
Permit Renewals Workload Universe:		Not reported

LEMOORE AUTO WRECKING & SALES (Continued) **1024810471**

Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required: Not reported	
Handler Date of Last Change:	20180905
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Handler - Owner Operator:

Owner/Operator Indicator:	Operator
Owner/Operator Name: BRYAN BURNES	
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	1069 W IONA AVE
Owner/Operator City,State,Zip:	LEMOORE, CA 93245
Owner/Operator Telephone:	559-924-3447
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Owner
Owner/Operator Name: BRYAN BURNES	
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	1069 W IONA AVE
Owner/Operator City,State,Zip:	LEMOORE, CA 93245-9716
Owner/Operator Telephone:	559-924-3447
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

LEMOORE AUTO WRECKING & SALES (Continued) **1024810471**

Historic Generators:
- Receive Date: 20041231
- Handler Name: LEMOORE AUTO WRECKING & SALES
- Federal Waste Generator Description: Not a generator, verified
- State District Owner: Not reported
- Large Quantity Handler of Universal Waste: No
- Recognized Trader Importer: No
- Recognized Trader Exporter: No
- Spent Lead Acid Battery Importer: No
- Spent Lead Acid Battery Exporter: No
- Current Record: Yes
- Non Storage Recycler Activity: Not reported
- Electronic Manifest Broker: Not reported

List of NAICS Codes and Descriptions:
- NAICS Code: 42193
- NAICS Description: RECYCLABLE MATERIAL WHOLESALERS

Facility Has Received Notices of Violations:
- Violations: No Violations Found

Evaluation Action Summary:
- Evaluations: No Evaluations Found

B6 **AGUILARS AUTOMOTIVE** **RCRA NonGen / NLR** **1024854131**
SE **1069 W IONA AVE UNIT B** **CAL000414675**
< 1/8 **LEMOORE, CA 93245**
0.017 mi.
92 ft. **Site 4 of 5 in cluster B**

Relative: **Higher**
Actual: **222 ft.**

RCRA Listings:
- Date Form Received by Agency: 20160226
- Handler Name: AGUILARS AUTOMOTIVE
- Handler Address: 1069 W IONA AVE UNIT B
- Handler City,State,Zip: LEMOORE, CA 93245-9716
- EPA ID: CAL000414675
- Contact Name: JOSE AGUILAR
- Contact Address: 1069 W IONA AVE UNIT B
- Contact City,State,Zip: LEMOORE, CA 93245-9716
- Contact Telephone: 559-924-4772
- Contact Fax: 559-924-4706
- Contact Email: AGUILARAUTO4ME@COMCAST.NET
- Contact Title: Not reported
- EPA Region: 09
- Land Type: Not reported
- Federal Waste Generator Description: Not a generator, verified
- Non-Notifier: Not reported
- Biennial Report Cycle: Not reported
- Accessibility: Not reported
- Active Site Indicator: Handler Activities
- State District Owner: Not reported
- State District: Not reported
- Mailing Address: 1069 W IONA AVE UNIT B
- Mailing City,State,Zip: LEMOORE, CA 93245-9716
- Owner Name: JOSE AGUILAR

AGUILARS AUTOMOTIVE (Continued) **1024854131**

Owner Type:		Other
Operator Name:	JOSE AGUILAR	
Operator Type:		Other
Short-Term Generator Activity:		No
Importer Activity:		No
Mixed Waste Generator:		No
Transporter Activity:		No
Transfer Facility Activity:		No
Recycler Activity with Storage:		No
Small Quantity On-Site Burner Exemption:		No
Smelting Melting and Refining Furnace Exemption:		No
Underground Injection Control:		No
Off-Site Waste Receipt:		No
Universal Waste Indicator:		Yes
Universal Waste Destination Facility:		Yes
Federal Universal Waste:		No
Active Site Fed-Reg Treatment Storage and Disposal Facility:		Not reported
Active Site Converter Treatment storage and Disposal Facility:		Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:		Not reported
Active Site State-Reg Handler:		---
Federal Facility Indicator:		Not reported
Hazardous Secondary Material Indicator:		N
Sub-Part K Indicator:		Not reported
Commercial TSD Indicator:		No
Treatment Storage and Disposal Type:		Not reported
2018 GPRA Permit Baseline:		Not on the Baseline
2018 GPRA Renewals Baseline:		Not on the Baseline
Permit Renewals Workload Universe:		Not reported
Permit Workload Universe:		Not reported
Permit Progress Universe:		Not reported
Post-Closure Workload Universe:		Not reported
Closure Workload Universe:		Not reported
202 GPRA Corrective Action Baseline:		No
Corrective Action Workload Universe:		No
Subject to Corrective Action Universe:		No
Non-TSDFs Where RCRA CA has Been Imposed Universe:		No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:		No
TSDFs Only Subject to CA under Discretionary Auth Universe:		No
Corrective Action Priority Ranking:		No NCAPS ranking
Environmental Control Indicator:		No
Institutional Control Indicator:		No
Human Exposure Controls Indicator:		N/A
Groundwater Controls Indicator:		N/A
Operating TSDF Universe:		Not reported
Full Enforcement Universe:		Not reported
Significant Non-Complier Universe:		No
Unaddressed Significant Non-Complier Universe:		No
Addressed Significant Non-Complier Universe:		No
Significant Non-Complier With a Compliance Schedule Universe:		No
Financial Assurance Required:	Not reported	
Handler Date of Last Change:		20180906
Recognized Trader-Importer:		No
Recognized Trader-Exporter:		No
Importer of Spent Lead Acid Batteries:		No
Exporter of Spent Lead Acid Batteries:		No
Recycler Activity Without Storage:		No
Manifest Broker:		No

AGUILARS AUTOMOTIVE (Continued) **1024854131**

Sub-Part P Indicator: No

Handler - Owner Operator:
Owner/Operator Indicator: Owner
Owner/Operator Name: JOSE AGUILAR
Legal Status: Other
Date Became Current: Not reported
Date Ended Current: Not reported
Owner/Operator Address: 1069 W IONA AVE UNIT B
Owner/Operator City,State,Zip: LEMOORE, CA 93245-9716
Owner/Operator Telephone: 559-924-4772
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Operator
Owner/Operator Name: JOSE AGUILAR
Legal Status: Other
Date Became Current: Not reported
Date Ended Current: Not reported
Owner/Operator Address: 1069 W IONA AVE UNIT B
Owner/Operator City,State,Zip: LEMOORE, CA 93245-9716
Owner/Operator Telephone: 559-924-4772
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Historic Generators:
Receive Date: 20160226
Handler Name: AGUILARS AUTOMOTIVE
Federal Waste Generator Description: Not a generator, verified
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: Yes
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

List of NAICS Codes and Descriptions:
NAICS Code: 811111
NAICS Description: GENERAL AUTOMOTIVE REPAIR

Facility Has Received Notices of Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

B7 **GREEN COMPASS ENVIRONMENTAL SOLUTIONS LLC** **RCRA NonGen / NLR** **1016148125**
SE **1069 W IONA AVE** **FINDS** **CAR000239681**
< 1/8 **LEMOORE, CA 93245** **ECHO**
0.017 mi.
92 ft. **Site 5 of 5 in cluster B**

Relative:
Higher

Actual:
222 ft.

RCRA Listings:

Date Form Received by Agency:		20130618
Handler Name:	GREEN COMPASS ENVIRONMENTAL SOLUTIONS LLC	
Handler Address:		1069 W IONA AVE
Handler City,State,Zip:		LEMOORE, CA 93245
EPA ID:		CAR000239681
Contact Name:		EDWARD VASQUEZ
Contact Address:		815 MISSION ROCK RD
Contact City,State,Zip:		SANTA PAULA, CA 93060
Contact Telephone:		951-541-7441
Contact Fax:		951-813-4043
Contact Email:		EVASQ@LIVE.COM
Contact Title:		GEN MGR
EPA Region:		09
Land Type:		Private
Federal Waste Generator Description:		Not a generator, verified
Non-Notifier:		Not reported
Biennial Report Cycle:		Not reported
Accessibility:		Not reported
Active Site Indicator:		Handler Activities
State District Owner:		Not reported
State District:		Not reported
Mailing Address:		PO BOX 3239
Mailing City,State,Zip:		VENTURA, CA 93006
Owner Name:	BRYAN BURNES	
Owner Type:		Private
Operator Name:	BRYAN BURNES	
Operator Type:		Private
Short-Term Generator Activity:		No
Importer Activity:		No
Mixed Waste Generator:		No
Transporter Activity:		Yes
Transfer Facility Activity:		Yes
Recycler Activity with Storage:		No
Small Quantity On-Site Burner Exemption:		No
Smelting Melting and Refining Furnace Exemption:		No
Underground Injection Control:		No
Off-Site Waste Receipt:		No
Universal Waste Indicator:		No
Universal Waste Destination Facility:		No
Federal Universal Waste:		No
Active Site Fed-Reg Treatment Storage and Disposal Facility:		Not reported
Active Site Converter Treatment storage and Disposal Facility:		Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:		Not reported
Active Site State-Reg Handler:		---
Federal Facility Indicator:		Not reported
Hazardous Secondary Material Indicator:		NN
Sub-Part K Indicator:		Not reported
Commercial TSD Indicator:		No
Treatment Storage and Disposal Type:		Not reported
2018 GPRA Permit Baseline:		Not on the Baseline
2018 GPRA Renewals Baseline:		Not on the Baseline
Permit Renewals Workload Universe:		Not reported

GREEN COMPASS ENVIRONMENTAL SOLUTIONS LLC (Continued) **1016148125**

Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required: Not reported	
Handler Date of Last Change:	20130626
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	Not reported
Manifest Broker:	Not reported
Sub-Part P Indicator:	No

Hazardous Waste Summary:

Waste Code:	D001
Waste Description:	IGNITABLE WASTE
Waste Code:	D002
Waste Description:	CORROSIVE WASTE
Waste Code:	D003
Waste Description:	REACTIVE WASTE
Waste Code:	D004
Waste Description:	ARSENIC
Waste Code:	D005
Waste Description:	BARIUM
Waste Code:	D006
Waste Description:	CADMIUM
Waste Code:	D007
Waste Description:	CHROMIUM
Waste Code:	D008
Waste Description:	LEAD

GREEN COMPASS ENVIRONMENTAL SOLUTIONS LLC (Continued) **1016148125**

Waste Code:	D009
Waste Description:	MERCURY
Waste Code:	D010
Waste Description:	SELENIUM
Waste Code:	D011
Waste Description:	SILVER
Waste Code:	D012
Waste Description:	ENDRIN (1,2,3,4,10,10-HEXACHLORO-1,7-EPOXY-1,4,4A,5,6,7,8,8A-OCTAHYDRO-1,4-ENDO, ENDO-5,8-DIMETH-ANO-NAPHTHALENE)
Waste Code:	D013
Waste Description:	LINDANE (1,2,3,4,5,6-HEXA-CHLOROCYCLOHEXANE, GAMMA ISOMER)
Waste Code:	D014
Waste Description:	METHOXYCHLOR (1,1,1-TRICHLORO-2,2-BIS [P-METHOXYPHENYL] ETHANE)
Waste Code:	D015
Waste Description:	TOXAPHENE (C10 H10 CL8, TECHNICAL CHLORINATED CAMPHENE, 67-69 PERCENT CHLORINE)
Waste Code:	D016
Waste Description:	2,4-D (2,4-DICHLOROPHENOXYACETIC ACID)
Waste Code:	D017
Waste Description:	2,4,5-TP SILVEX (2,4,5-TRICHLOROPHENOXYPROPIONIC ACID)
Waste Code:	D018
Waste Description:	BENZENE
Waste Code:	D019
Waste Description:	CARBON TETRACHLORIDE
Waste Code:	D020
Waste Description:	CHLORDANE
Waste Code:	D021
Waste Description:	CHLOROBENZENE
Waste Code:	D022
Waste Description:	CHLOROFORM
Waste Code:	D023
Waste Description:	O-CRESOL
Waste Code:	D024
Waste Description:	M-CRESOL
Waste Code:	D025
Waste Description:	P-CRESOL
Waste Code:	D026
Waste Description:	CRESOL

GREEN COMPASS ENVIRONMENTAL SOLUTIONS LLC (Continued) **1016148125**

Waste Code:	D027
Waste Description:	1,4-DICHLOROBENZENE
Waste Code:	D028
Waste Description:	1,2-DICHLOROETHANE
Waste Code:	D029
Waste Description:	1,1-DICHLOROETHYLENE
Waste Code:	D030
Waste Description:	2,4-DINITROTOLUENE
Waste Code:	D031
Waste Description:	HEPTACHLOR (AND ITS EPOXIDE)
Waste Code:	D032
Waste Description:	HEXACHLOROBENZENE
Waste Code:	D033
Waste Description:	HEXACHLOROBUTADIENE
Waste Code:	D034
Waste Description:	HEXACHLOROETHANE
Waste Code:	D035
Waste Description:	METHYL ETHYL KETONE
Waste Code:	D036
Waste Description:	NITROBENZENE
Waste Code:	D037
Waste Description:	PENTACHLOROPHENOL
Waste Code:	D038
Waste Description:	PYRIDINE
Waste Code:	D039
Waste Description:	TETRACHLOROETHYLENE
Waste Code:	D040
Waste Description:	TRICHLORETHYLENE
Waste Code:	D041
Waste Description:	2,4,5-TRICHLOROPHENOL
Waste Code:	D042
Waste Description:	2,4,6-TRICHLOROPHENOL
Waste Code:	D043
Waste Description:	VINYL CHLORIDE
Waste Code:	F001
Waste Description:	THE FOLLOWING SPENT HALOGENATED SOLVENTS USED IN DEGREASING: TETRACHLOROETHYLENE, TRICHLORETHYLENE, METHYLENE CHLORIDE, 1,1,1-TRICHLOROETHANE, CARBON TETRACHLORIDE AND CHLORINATED FLUOROCARBONS; ALL SPENT SOLVENT MIXTURES/BLENDS USED IN DEGREASING CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF

GREEN COMPASS ENVIRONMENTAL SOLUTIONS LLC (Continued) **1016148125**

ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F002, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Waste Code: F002
Waste Description: THE FOLLOWING SPENT HALOGENATED SOLVENTS: TETRACHLOROETHYLENE, METHYLENE CHLORIDE, TRICHLOROETHYLENE, 1,1,1-TRICHLOROETHANE, CHLOROBENZENE, 1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE, ORTHO-DICHLOROBENZENE, TRICHLOROFLUOROMETHANE, AND 1,1,2, TRICHLOROETHANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Waste Code: F003
Waste Description: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NONHALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS, AND A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Waste Code: F004
Waste Description: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: CRESOLS, CRESYLIC ACID, AND NITROBENZENE; AND THE STILL BOTTOMS FROM THE RECOVERY OF THESE SOLVENTS; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F002, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Waste Code: F005
Waste Description: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: TOLUENE, METHYL ETHYL KETONE, CARBON DISULFIDE, ISOBUTANOL, PYRIDINE, BENZENE, 2-ETHOXYETHANOL, AND 2-NITROPROPANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F002, OR F004; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Waste Code: F006
Waste Description: WASTEWATER TREATMENT SLUDGES FROM ELECTROPLATING OPERATIONS, EXCEPT FROM THE FOLLOWING PROCESSES: (1) SULFURIC ACID ANODIZING OF ALUMINUM; (2) TIN PLATING ON CARBON STEEL; (3) ZINC PLATING (SEGREGATED BASIS) ON CARBON STEEL; (4) ALUMINUM OR ZINC-ALUMINUM PLATING ON CARBON STEEL; (5) CLEANING/STRIPPING ASSOCIATED WITH TIN, ZINC, AND ALUMINUM PLATING ON CARBON STEEL; AND (6) CHEMICAL ETCHING AND MILLING OF ALUMINUM.

Waste Code: F007
Waste Description: SPENT CYANIDE PLATING BATH SOLUTIONS FROM ELECTROPLATING OPERATIONS.

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Waste Code: F008
Waste Description: PLATING BATH RESIDUES FROM THE BOTTOM OF PLATING BATHS FROM ELECTROPLATING OPERATIONS IN WHICH CYANIDES ARE USED IN THE PROCESS.

Waste Code: F009
Waste Description: SPENT STRIPPING AND CLEANING BATH SOLUTIONS FROM ELECTROPLATING OPERATIONS IN WHICH CYANIDES ARE USED IN THE PROCESS.

Waste Code: F010
Waste Description: QUENCHING BATH RESIDUES FROM OIL BATHS FROM METAL HEAT TREATING OPERATIONS IN WHICH CYANIDES ARE USED IN THE PROCESS.

Waste Code: F011
Waste Description: SPENT CYANIDE SOLUTIONS FROM SLAT BATH POT CLEANING FROM METAL HEAT TREATING OPERATIONS.

Waste Code: F012
Waste Description: QUENCHING WASTEWATER TREATMENT SLUDGES FROM METAL HEAT TREATING OPERATIONS IN WHICH CYANIDES ARE USED IN THE PROCESS.

Waste Code: F019
Waste Description: WASTEWATER TREATMENT SLUDGES FROM THE CHEMICAL CONVERSION COATING OF ALUMINUM, EXCEPT FROM ZIRCONIUM PHOSPHATING IN ALUMINUM CAN WASHING WHEN SUCH PHOSPHATING IS AN EXCLUSIVE CONVERSION COATING PROCESS.

Waste Code: F020
Waste Description: WASTES (EXCEPT WASTEWATER AND SPENT CARBON FROM HYDROGEN CHLORIDE PURIFICATION) FROM THE PRODUCTION OR MANUFACTURING USE (AS A REACTANT, CHEMICAL INTERMEDIATE, OR COMPONENT IN A FORMULATING PROCESS) OF TRI- OR TETRACHLOROPHENOL OR OF INTERMEDIATES USED TO PRODUCE THEIR PESTICIDE DERIVATIVES. (THIS LISTING DOES NOT INCLUDE WASTES FROM THE PRODUCTION OF HEXACHLOROPHENE FROM HIGHLY PURIFIED 2,4,5-TRICHLOROPHENOL.)

Waste Code: F021
Waste Description: WASTES (EXCEPT WASTEWATER AND SPENT CARBON FROM HYDROGEN CHLORIDE PURIFICATION) FROM THE PRODUCTION OR MANUFACTURING USE (AS A REACTANT, CHEMICAL INTERMEDIATE, OR COMPONENT IN A FORMULATING PROCESS) OF PENTACHLOROPHENOL, OR OF INTERMEDIATES USED TO PRODUCE DERIVATIVES.

Waste Code: F022
Waste Description: WASTES (EXCEPT WASTEWATER AND SPENT CARBON FROM HYDROGEN CHLORIDE PURIFICATION) FROM THE MANUFACTURING USE (AS A REACTANT, CHEMICAL INTERMEDIATE, OR COMPONENT IN A FORMULATING PROCESS) OF TETRA-, PENTA-, OR HEXACHLOROBENZENES UNDER ALKALINE CONDITIONS.

Waste Code: F023
Waste Description: WASTES (EXCEPT WASTEWATER AND SPENT CARBON FROM HYDROGEN CHLORIDE PURIFICATION) FROM THE PRODUCTION OF MATERIALS ON EQUIPMENT PREVIOUSLY USED FOR THE PRODUCTION OR MANUFACTURING USE (AS A REACTANT, CHEMICAL INTERMEDIATE, OR COMPONENT IN A FORMULATING PROCESS) OF TRI- AND TETRACHLOROPHENOLS. (THIS LISTING DOES NOT INCLUDE WASTES FROM EQUIPMENT USED ONLY FOR THE PRODUCTION OR USE OF HEXACHLOROPHENE FROM HIGHLY PURIFIED 2,4,5-TRICHLOROPHENOL.)

Waste Code: F024
Waste Description: PROCESS WASTES INCLUDING, BUT NOT LIMITED TO, DISTILLATION RESIDUES,

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HEAVY ENDS, TARS, AND REACTOR CLEAN-OUT WASTES FROM THE PRODUCTION OF CERTAIN CHLORINATED ALIPHATIC HYDROCARBONS BY FREE RADICAL CATALYZED PROCESSES. THESE CHLORINATED ALIPHATIC HYDROCARBONS ARE THOSE HAVING CARBON CHAIN LENGTHS RANGING FROM ONE TO, AND INCLUDING FIVE, WITH VARYING AMOUNTS AND POSITIONS OF CHLORINE SUBSTITUTION. (THIS LISTING DOES NOT INCLUDE WASTEWATERS, WASTEWATER TREATMENT SLUDGE, SPENT CATALYSTS, AND WASTES LISTED IN SECTIONS 261.31. OR 261.32)

Waste Code: F025
Waste Description: CONDENSED LIGHT ENDS, SPENT FILTERS AND FILTER AIDS, AND SPENT DESICCANT WASTES FROM THE PRODUCTION OF CERTAIN CHLORINATED ALIPHATIC HYDROCARBONS BY FREE RADICAL CATALYZED PROCESSES. THESE CHLORINATED ALIPHATIC HYDROCARBONS ARE THOSE HAVING CARBON CHAIN LENGTHS RANGING FROM ONE TO, AND INCLUDING FIVE, WITH VARYING AMOUNTS AND POSITIONS OF CHLORINE SUBSTITUTION.

Waste Code: F026
Waste Description: WASTES (EXCEPT WASTEWATER AND SPENT CARBON FROM HYDROGEN CHLORIDE PURIFICATION) FROM THE PRODUCTION OF MATERIALS ON EQUIPMENT PREVIOUSLY USED FOR THE MANUFACTURING USE (AS A REACTANT, CHEMICAL INTERMEDIATE, OR COMPONENT IN A FORMULATING PROCESS) OF TETRA-, PENTA-, OR HEXACHLOROBENZENE UNDER ALKALINE CONDITIONS.

Waste Code: F027
Waste Description: DISCARDED UNUSED FORMULATIONS CONTAINING TRI-, TETRA-, OR PENTACHLOROPHENOL OR DISCARDED UNUSED FORMULATIONS CONTAINING COMPOUNDS DERIVED FROM THESE CHLOROPHENOLS. (THIS LISTING DOES NOT INCLUDE FORMULATIONS CONTAINING HEXACHLOROPHENE SYNTHESIZED FROM PREPURIFIED 2,4,5-TRICHLOROPHENOL AS THE SOLE COMPONENT.)

Waste Code: F028
Waste Description: RESIDUES RESULTING FROM THE INCINERATION OR THERMAL TREATMENT OF SOIL CONTAMINATED WITH EPA HAZARDOUS WASTE NOS. F020, F021, F022, F023, F026, AND F027.

Waste Code: F032
Waste Description: WASTEWATERS, PROCESS RESIDUALS, PRESERVATIVE DRIPPAGE, AND SPENT FORMULATIONS FROM WOOD PRESERVING PROCESSES GENERATED AT PLANTS THAT CURRENTLY USE, OR HAVE PREVIOUSLY USED, CHLOROPHENOLIC FORMULATIONS [EXCEPT POTENTIALLY CROSS-CONTAMINATED WASTES THAT HAVE HAD THE F032 WASTE CODE DELETED IN ACCORDANCE WITH SECTION 261.35 (I.E., THE NEWLY PROMULGATED EQUIPMENT CLEANING OR REPLACEMENT STANDARDS), AND WHERE THE GENERATOR DOES NOT RESUME OR INITIATE USE OF CHLOROPHENOLIC FORMULATIONS]. (THIS LISTING DOES NOT INCLUDE K001 BOTTOM SEDIMENT SLUDGE FROM THE TREATMENT OF WASTEWATER FROM WOOD PRESERVING PROCESSE THAT USE CREOSOTE AND/OR PENTACHLOROPHENOL.)

Waste Code: F034
Waste Description: WASTEWATERS, PROCESS RESIDUALS, PRESERVATIVE DRIPPAGE, AND SPENT FORMULATIONS FROM WOOD PRESERVING PROCESSES GENERATED AT PLANTS THAT USE CREOSOTE FORMULATIONS. THIS LISTING DOES NOT INCLUDE K001 BOTTOM SEDIMENT SLUDGE FROM THE TREATMENT OF WASTEWATER FROM WOOD PRESERVING PROCESSES THAT USE CREOSOTE AND/OR PENTACHLOROPHENOL.

Waste Code: F035
Waste Description: WASTEWATERS, PROCESS RESIDUALS, PRESERVATIVE DRIPPAGE, AND SPENT FORMULATIONS FROM WOOD PRESERVING PROCESSES GENERATED AT PLANTS THAT

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USE INORGANIC PRESERVATIVES CONTAINING ARSENIC OR CHROMIUM. THIS LISTING DOES NOT INCLUDE K001 BOTTOM SEDIMENT SLUDGE FROM THE TREATMENT OF WASTEWATER FROM WOOD PRESERVING PROCESSES THAT USE CREOSOTE AND/OR PENTACHLOROPHENOL.

Waste Code: F037
Waste Description: PETROLEUM REFINERY PRIMARY OIL/WATER/SOLIDS SEPARATION SLUDGE - ANY SLUDGE GENERATED FROM THE GRAVITATIONAL SEPARATION OF OIL/WATER/SOLIDS DURING THE STORAGE OR TREATMENT OF PROCESS WASTEWATERS AND OILY COOLING WASTEWATERS FROM PETROLEUM REFINERIES. SUCH SLUDGES INCLUDE, BUT ARE NOT LIMITED TO, THOSE GENERATED IN OIL/WATER/SOLIDS SEPARATORS; TANKS AND IMPOUNDMENTS; DITCHES AND OTHER CONVEYANCES; SUMPS; AND STORM WATER UNITS RECEIVING DRY WEATHER FLOW. SLUDGES GENERATED IN STORM WATER UNITS THAT DO NOT RECEIVE DRY WEATHER FLOW, SLUDGES GENERATED IN AGGRESSIVE BIOLOGICAL TREATMENT UNITS AS DEFINED IN SECTION 261.31(B)(2) (INCLUDING SLUDGES GENERATED IN ONE OR MORE ADDITIONAL UNITS AFTER WASTEWATERS HAVE BEEN TREATED IN AGGRESSIVE BIOLOGICAL TREATMENT UNITS), AND K051 WASTES ARE EXEMPTED FROM THIS LISTING.

Waste Code: F038
Waste Description: PETROLEUM REFINERY SECONDARY (EMULSIFIED) OIL/WATER/SOLIDS SEPARATION SLUDGE - ANY SLUDGE AND/OR FLOAT GENERATED FROM THE PHYSICAL AND/OR CHEMICAL SEPARATION OF OIL/WATER/SOLIDS IN PROCESS WASTEWATERS AND OILY COOLING WASTEWATERS FROM PETROLEUM REFINERIES. SUCH WASTES INCLUDE, BUT ARE NOT LIMITED TO, ALL SLUDGES AND FLOATS GENERATED IN INDUCED AIR FLOTATION (IAF) UNITS, TANKS AND IMPOUNDMENTS, AND ALL SLUDGES GENERATED IN DAF UNITS. SLUDGES GENERATED IN STORMWATER UNITS THAT DO NOT RECEIVE DRY WEATHER FLOW, SLUDGES GENERATED IN AGGRESSIVE BIOLOGICAL TREATMENT UNITS AS DEFINED IN SECTION 261.31(B)(2) (INCLUDING SLUDGES GENERATED IN ONE OR MORE ADDITIONAL UNITS AFTER WASTEWATERS HAVE BEEN TREATED IN AGGRESSIVE BIOLOGICAL TREATMENT UNITS), AND F037, K048, AND K051 WASTES ARE EXEMPTED FROM THIS LISTING.

Waste Code: F039
Waste Description: LEACHATE RESULTING FROM THE TREATMENT, STORAGE, OR DISPOSAL OF WASTES CLASSIFIED BY MORE THAN ONE WASTE CODE UNDER SUBPART D, OR FROM A MIXTURE OF WASTES CLASSIFIED UNDER SUBPARTS C AND D OF THIS PART. (LEACHATE RESULTING FROM THE MANAGEMENT OF ONE OR MORE OF THE FOLLOWING EPA HAZARDOUS WASTES AND NO OTHER HAZARDOUS WASTES RETAINS ITS HAZARDOUS WASTE CODE(S): F020, F021, F022, F023, F026, F027, AND/OR F028.)

Waste Code: K001
Waste Description: BOTTOM SEDIMENT SLUDGE FROM THE TREATMENT OF WASTEWATERS FROM WOOD PRESERVING PROCESSES THAT USE CREOSOTE AND/OR PENTACHLOROPHENOL.

Waste Code: K002
Waste Description: WASTEWATER TREATMENT SLUDGE FROM THE PRODUCTION OF CHROME YELLOW AND ORANGE PIGMENTS.

Waste Code: K003
Waste Description: WASTEWATER TREATMENT SLUDGE FROM THE PRODUCTION OF MOLYBDATE ORANGE PIGMENTS.

Waste Code: K004

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Waste Description: WASTEWATER TREATMENT SLUDGE FROM THE PRODUCTION OF ZINC YELLOW PIGMENTS.

Waste Code: K005
Waste Description: WASTEWATER TREATMENT SLUDGE FROM THE PRODUCTION OF CHROME GREEN PIGMENTS.

Waste Code: K006
Waste Description: WASTEWATER TREATMENT SLUDGE FROM THE PRODUCTION OF CHROME OXIDE GREEN PIGMENTS (ANHYDROUS AND HYDRATED).

Waste Code: K007
Waste Description: WASTEWATER TREATMENT SLUDGE FROM THE PRODUCTION OF IRON BLUE PIGMENTS.

Waste Code: K008
Waste Description: OVEN RESIDUE FROM THE PRODUCTION OF CHROME OXIDE GREEN PIGMENTS.

Waste Code: K009
Waste Description: DISTILLATION BOTTOMS FROM THE PRODUCTION OF ACETALDEHYDE FROM ETHYLENE.

Waste Code: K010
Waste Description: DISTILLATION SIDE CUTS FROM THE PRODUCTION OF ACETALDEHYDE FROM ETHYLENE.

Waste Code: K011
Waste Description: BOTTOM STREAM FROM THE WASTEWATER STRIPPER IN THE PRODUCTION OF ACRYLONITRILE.

Waste Code: K013
Waste Description: BOTTOM STREAM FROM THE ACETONITRILE COLUMN IN THE PRODUCTION OF ACRYLONITRILE.

Waste Code: K014
Waste Description: BOTTOMS FROM THE ACETONITRILE PURIFICATION COLUMN IN THE PRODUCTION OF ACRYLONITRILE.

Waste Code: K015
Waste Description: STILL BOTTOMS FROM THE DISTILLATION OF BENZYL CHLORIDE.

Waste Code: K016
Waste Description: HEAVY ENDS OR DISTILLATION RESIDUES FROM THE PRODUCTION OF CARBON TETRACHLORIDE.

Waste Code: K017
Waste Description: HEAVY ENDS (STILL BOTTOMS) FROM THE PURIFICATION COLUMN IN THE PRODUCTION OF EPICHLOROHYDRIN.

Waste Code: K018
Waste Description: HEAVY ENDS FROM THE FRACTIONATION COLUMN IN ETHYL CHLORIDE PRODUCTION.

Waste Code: K019
Waste Description: HEAVY ENDS FROM THE DISTILLATION OF ETHYLENE DICHLORIDE IN ETHYLENE DICHLORIDE PRODUCTION.

Waste Code: K020
Waste Description: HEAVY ENDS FROM THE DISTILLATION OF VINYL CHLORIDE IN VINYL CHLORIDE

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MONOMER PRODUCTION.

Waste Code: K021
Waste Description: AQUEOUS SPENT ANTIMONY CATALYST WASTE FROM FLUOROMETHANE PRODUCTION.

Waste Code: K022
Waste Description: DISTILLATION BOTTOM TARS FROM THE PRODUCTION OF PHENOL/ACETONE FROM CUMENE.

Waste Code: K023
Waste Description: DISTILLATION LIGHT ENDS FROM THE PRODUCTION OF PHTHALIC ANHYDRIDE FROM NAPHTHALENE.

Waste Code: K024
Waste Description: DISTILLATION BOTTOMS FROM THE PRODUCTION OF PHTHALIC ANHYDRIDE FROM NAPHTHALENE.

Waste Code: K025
Waste Description: DISTILLATION BOTTOMS FROM THE PRODUCTION OF NITROBENZENE BY THE NITRATION OF BENZENE.

Waste Code: K026
Waste Description: STRIPPING STILL TAILS FROM THE PRODUCTION OF METHYL ETHYL PYRIDINES.

Waste Code: K027
Waste Description: CENTRIFUGE AND DISTILLATION RESIDUES FROM TOLUENE DIISOCYANATE PRODUCTION.

Waste Code: K028
Waste Description: SPENT CATALYST FROM THE HYDROCHLORINATOR REACTOR IN THE PRODUCTION OF 1,1,1-TRICHLOROETHANE.

Waste Code: K029
Waste Description: WASTE FROM THE PRODUCT STEAM STRIPPER IN THE PRODUCTION OF 1,1,1-TRICHLOROETHANE.

Waste Code: K030
Waste Description: COLUMN BOTTOMS OR HEAVY ENDS FROM THE COMBINED PRODUCTION OF TRICHLOROETHYLENE AND PERCHLOROETHYLENE.

Waste Code: K031
Waste Description: BY-PRODUCT SALTS GENERATED IN THE PRODUCTION OF MSMA AND CACODYLIC ACID.

Waste Code: K032
Waste Description: WASTEWATER TREATMENT SLUDGE FROM THE PRODUCTION OF CHLORDANE.

Waste Code: K033
Waste Description: WASTEWATER AND SCRUB WATER FROM THE CHLORINATION OF CYCLOPENTADIENE IN THE PRODUCTION OF CHLORDANE.

Waste Code: K034
Waste Description: FILTER SOLIDS FROM THE FILTRATION OF HEXACHLOROCYCLOPENTADIENE IN THE PRODUCTION OF CHLORDANE.

Waste Code: K035
Waste Description: WASTEWATER TREATMENT SLUDGES GENERATED IN THE PRODUCTION OF CREOSOTE.

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Waste Code: K036
Waste Description: STILL BOTTOMS FROM TOLUENE RECLAMATION DISTILLATION IN THE PRODUCTION OF DISULFOTON.

Waste Code: K037
Waste Description: WASTEWATER TREATMENT SLUDGES FROM THE PRODUCTION OF DISULFOTON.

Waste Code: K038
Waste Description: WASTEWATER FROM THE WASHING AND STRIPPING OF PHORATE PRODUCTION.

Waste Code: K039
Waste Description: FILTER CAKE FROM THE FILTRATION OF DIETHYLPHOSPHORODITHIOIC ACID IN THE PRODUCTION OF PHORATE.

Waste Code: K040
Waste Description: WASTEWATER TREATMENT SLUDGE FROM THE PRODUCTION OF PHORATE.

Waste Code: K041
Waste Description: WASTEWATER TREATMENT SLUDGE FROM THE PRODUCTION OF TOXAPHENE.

Waste Code: K042
Waste Description: HEAVY ENDS OR DISTILLATION RESIDUES FROM THE DISTILLATION OF TETRACHLOROBENZENE IN THE PRODUCTION OF 2,4,5-T.

Waste Code: K043
Waste Description: 2,6-DICHLOROPHENOL WASTE FROM THE PRODUCTION OF 2,4-D.

Waste Code: K044
Waste Description: WASTEWATER TREATMENT SLUDGES FROM THE MANUFACTURING AND PROCESSING OF EXPLOSIVES.

Waste Code: K045
Waste Description: SPENT CARBON FROM THE TREATMENT OF WASTEWATER CONTAINING EXPLOSIVES.

Waste Code: K046
Waste Description: WASTEWATER TREATMENT SLUDGES FROM THE MANUFACTURING, FORMULATION, AND LOADING OF LEAD-BASED INITIATING COMPOUNDS.

Waste Code: K047
Waste Description: PINK/RED WATER FROM TNT OPERATIONS.

Waste Code: K048
Waste Description: DISSOLVED AIR FLOTATION (DAF) FLOAT FROM THE PETROLEUM REFINING INDUSTRY.

Waste Code: K049
Waste Description: SLOP OIL EMULSION SOLIDS FROM THE PETROLEUM REFINING INDUSTRY.

Waste Code: K050
Waste Description: HEAT EXCHANGER BUNDLE CLEANING SLUDGE FROM THE PETROLEUM REFINING INDUSTRY.

Waste Code: K051
Waste Description: API SEPARATOR SLUDGE FROM THE PETROLEUM REFINING INDUSTRY.

Waste Code: K052
Waste Description: TANK BOTTOMS (LEADED) FROM THE PETROLEUM REFINING INDUSTRY.

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Waste Code: K060
Waste Description: AMMONIA STILL LIME SLUDGE FROM COKING OPERATIONS.

Waste Code: K061
Waste Description: EMISSION CONTROL DUST/SLUDGE FROM THE PRIMARY PRODUCTION OF STEEL IN ELECTRIC FURNACES.

Waste Code: K062
Waste Description: SPENT PICKLE LIQUOR FROM STEEL FINISHING OPERATIONS OF PLANTS THAT PRODUCE IRON OR STEEL.

Waste Code: K064
Waste Description: ACID PLANT BLOWDOWN SLURRY/SLUDGE RESULTING FROM THE THICKENING OF BLOWDOWN SLURRY FROM PRIMARY COPPER PRODUCTION.

Waste Code: K065
Waste Description: SURFACE IMPOUNDMENT SOLIDS CONTAINED IN AND DREDGED FROM SURFACE IMPOUNDMENTS AT PRIMARY LEAD SMELTING FACILITIES.

Waste Code: K066
Waste Description: SLUDGE FROM TREATMENT OF PROCESS WASTEWATER AND/OR ACID PLANT BLOWDOWN FROM PRIMARY ZINC PRODUCTION.

Waste Code: K069
Waste Description: EMISSION CONTROL DUST/SLUDGE FROM SECONDARY LEAD SMELTING.

Waste Code: K071
Waste Description: BRINE PURIFICATION MUDS FROM THE MERCURY CELL PROCESS IN CHLORINE PRODUCTION, IN WHICH SEPARATELY PREPURIFIED BRINE IS NOT USED.

Waste Code: K073
Waste Description: CHLORINATED HYDROCARBON WASTE FROM THE PURIFICATION STEP OF THE DIAPHRAGM CELL PROCESS USING GRAPHITE ANODES IN CHLORINE PRODUCTION.

Waste Code: K083
Waste Description: DISTILLATION BOTTOMS FROM ANILINE PRODUCTION.

Waste Code: K084
Waste Description: WASTEWATER TREATMENT SLUDGES GENERATED DURING THE PRODUCTION OF VETERINARY PHARMACEUTICALS FROM ARSENIC OR ORGANO-ARSENIC COMPOUNDS.

Waste Code: K085
Waste Description: DISTILLATION OR FRACTIONATION COLUMN BOTTOMS FROM THE PRODUCTION OF CHLOROBENZENES.

Waste Code: K086
Waste Description: SOLVENT WASHES AND SLUDGES, CAUSTIC WASHES AND SLUDGES, OR WATER WASHES AND SLUDGES FROM CLEANING TUBS AND EQUIPMENT USED IN THE FORMULATION OF INK FROM PIGMENTS, DRIERS, SOAPS, AND STABILIZERS CONTAINING CHROMIUM AND LEAD.

Waste Code: K087
Waste Description: DECANTER TANK TAR SLUDGE FROM COKING OPERATIONS.

Waste Code: K088
Waste Description: SPENT POTLINERS FROM PRIMARY ALUMINUM REDUCTION.

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Waste Code: K090
Waste Description: EMISSION CONTROL DUST OR SLUDGE FROM FERROCHROMIUMSILICON PRODUCTION.

Waste Code: K091
Waste Description: EMISSION CONTROL DUST OR SLUDGE FROM FERROCHROMIUM PRODUCTION.

Waste Code: K093
Waste Description: DISTILLATION LIGHT ENDS FROM THE PRODUCTION OF PHTHALIC ANHYDRIDE FROM ORTHO-XYLENE.

Waste Code: K094
Waste Description: DISTILLATION BOTTOMS FROM THE PRODUCTION OF PHTHALIC ANHYDRIDE FROM ORTHO-XYLENE.

Waste Code: K095
Waste Description: DISTILLATION BOTTOMS FROM THE PRODUCTION OF 1,1,1-TRICHLOROETHANE.

Waste Code: K096
Waste Description: HEAVY ENDS FROM THE HEAVY ENDS COLUMN FROM THE PRODUCTION OF 1,1,1-TRICHLOROETHANE.

Waste Code: K097
Waste Description: VACUUM STRIPPER DISCHARGE FROM THE CHLORDANE CHLORINATOR IN THE PRODUCTION OF CHLORDANE.

Waste Code: K098
Waste Description: UNTREATED PROCESS WASTEWATER FROM THE PRODUCTION OF TOXAPHENE.

Waste Code: K099
Waste Description: UNTREATED WASTEWATER FROM THE PRODUCTION OF 2,4-D.

Waste Code: K100
Waste Description: WASTE LEACHING SOLUTION FROM ACID LEACHING OF EMISSION CONTROL DUST/SLUDGE FROM SECONDARY LEAD SMELTING.

Waste Code: K101
Waste Description: DISTILLATION TAR RESIDUES FROM THE DISTILLATION OF ANILINE-BASED COMPOUNDS IN THE PRODUCTION OF VETERINARY PHARMACEUTICALS FROM ARSENIC OR ORGANO-ARSENIC COMPOUNDS.

Waste Code: K102
Waste Description: RESIDUE FROM THE USE OF ACTIVATED CARBON FOR DECOLORIZATION IN THE PRODUCTION OF VETERINARY PHARMACEUTICALS FROM ARSENIC OR ORGANO-ARSENIC COMPOUNDS.

Waste Code: K103
Waste Description: PROCESS RESIDUES FROM ANILINE EXTRACTION FROM THE PRODUCTION OF ANILINE.

Waste Code: K104
Waste Description: COMBINED WASTEWATERS GENERATED FROM NITROBENZENE/ANILINE PRODUCTION.

Waste Code: K105
Waste Description: SEPARATED AQUEOUS STREAM FROM THE REACTOR PRODUCT WASHING STEP IN THE PRODUCTION OF CHLOROBENZENES.

Waste Code: K106

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Waste Description: WASTEWATER TREATMENT SLUDGE FROM THE MERCURY CELL PROCESS IN CHLORINE PRODUCTION.

Waste Code: K107
Waste Description: COLUMN BOTTOMS FROM PRODUCT SEPARATION FROM THE PRODUCTION OF 1,1-DIMETHYLHYDRAZINE (UDMH) FROM CARBOXYLIC ACID HYDRAZIDES.

Waste Code: K108
Waste Description: CONDENSED COLUMN OVERHEADS FROM PRODUCT SEPARATION AND CONDENSED REACTOR VENT GASES FROM THE PRODUCTION OF 1,1-DIMETHYLHYDRAZINE FROM CARBOXYLIC ACID HYDRAZIDES.

Waste Code: K109
Waste Description: SPENT FILTER CARTRIDGES FROM PRODUCT PURIFICATION FROM THE PRODUCT OF 1,1-DIMETHYLHYDRAZINE FROM CARBOXYLIC ACID HYDRAZIDES.

Waste Code: K110
Waste Description: CONDENSED COLUMN OVERHEADS FROM INTERMEDIATE SEPARATION FROM THE PRODUCTION OF 1,1-DIMETHYLHYDRAZINE FROM CARBOXYLIC ACID HYDRAZIDES.

Waste Code: K111
Waste Description: PRODUCT WASHWATERS FROM THE PRODUCTION OF DINITROTOLUENE VIA NITRATION OF TOLUENE.

Waste Code: K112
Waste Description: REACTION BY-PRODUCT WATER FROM THE DRYING COLUMN IN THE PRODUCTION OF TOLUENEDIAMINE VIA HYDROGENATION OF DINITROTOLUENE.

Waste Code: K113
Waste Description: CONDENSED LIQUID LIGHT ENDS FROM PURIFICATION OF TOLUENEDIAMINE IN PRODUCTION OF TOLUENEDIAMINE VIA HYDROGENATION OF DINITROTOLUENE.

Waste Code: K114
Waste Description: VICINALS FROM THE PURIFICATION OF TOLUENEDIAMINE IN PRODUCTION OF TOLUENEDIAMINE VIA HYDROGENATION OF DINITROTOLUENE.

Waste Code: K115
Waste Description: HEAVY ENDS FROM PURIFICATION OF TOLUENEDIAMINE IN THE PRODUCTION OF TOLUENEDIAMINE VIA HYDROGENATION OF DINITROTOLUENE.

Waste Code: K116
Waste Description: ORGANIC CONDENSATE FROM THE SOLVENT RECOVERY COLUMN IN THE PRODUCTION OF TOLUENE DIISOCYANATE VIA PHOSGENATION OF TOLUENEDIAMINE.

Waste Code: K117
Waste Description: WASTEWATER FROM THE REACTOR VENT GAS SCRUBBER IN THE PRODUCTION OF ETHYLENE DIBROMIDE VIA BROMINATION OF ETHENE.

Waste Code: K118
Waste Description: SPENT ADSORBENT SOLIDS FROM PURIFICATION OF ETHYLENE DIBROMIDE IN THE PRODUCTION OF ETHYLENE DIBROMIDE VIA BROMINATION OF ETHENE.

Waste Code: K123
Waste Description: PROCESS WASTEWATER (INCLUDING SUPERNATES, FILTRATES, AND WASHWATERS) FROM THE PRODUCTION OF ETHYLENEBISDITHIOCARBAMIC ACID AND ITS SALTS.

Waste Code: K124

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Waste Description: REACTOR VENT SCRUBBER WATER FROM THE PRODUCTION OF ETHYLENEBISDITHIOCARBAMIC ACID AND ITS SALTS.

Waste Code: K125
Waste Description: FILTRATION, EVAPORATION, AND CENTRIFUGATION SOLIDS FROM THE PRODUCTION OF ETHYLENEBISDITHIOCARBAMIC ACID AND ITS SALTS.

Waste Code: K126
Waste Description: BAGHOUSE DUST AND FLOOR SWEEPINGS IN MILLING AND PACKAGING OPERATIONS FROM PRODUCTION OR FORMULATION OF ETHYLENEBISDITHIOCARBAMIC ACID AND ITS SALTS.

Waste Code: K131
Waste Description: WASTEWATER FROM THE REACTOR AND SPENT SULFURIC ACID FROM THE ACID DRYER FROM THE PRODUCTION OF METHYL BROMIDE.

Waste Code: K132
Waste Description: SPENT ABSORBENT AND WASTEWATER SEPARATOR SOLIDS FROM THE PRODUCTION OF METHYL BROMIDE.

Waste Code: K136
Waste Description: STILL BOTTOMS FROM THE PURIFICATION OF ETHYLENE DIBROMIDE IN THE PRODUCTION OF ETHYLENE DIBROMIDE VIA BROMINATION OF ETHENE.

Waste Code: K140
Waste Description: FLOOR SWEEPINGS, OFF-SPECIFICATION PRODUCT AND SPENT FILTER MEDIA FROM THE PRODUCTION OF 2,4,6, TRIBROMPHENOL

Waste Code: K141
Waste Description: PROCESS RESIDUES FROM THE RECOVERY OF COAL TAR, INCLUDING, BUT NOT LIMITED TO, TAR COLLECTING SUMP RESIDUES FROM THE PRODUCTION OF COKE FROM COAL OR THE RECOVERY OF COKE BY-PRODUCTS PRODUCED FROM COAL. THIS LISTING DOES NOT INCLUDE K087 (DECANTER TANK SLUDGE FROM COKING OPERATIONS).

Waste Code: K142
Waste Description: TANK STORAGE RESIDUES FROM THE PRODUCTION OF COKE FROM COAL OR FROM THE RECOVERY OF COKE BY-PRODUCTS FROM COAL.

Waste Code: K143
Waste Description: PROCESS RESIDUES FROM THE RECOVERY OF LIGHT OIL, INCLUDING, BUT NOT LIMITED TO, THOSE GENERATED IN STILLS, DECANTERS, AND WASH OIL RECOVERY UNITS FROM THE RECOVERY OF COKE BY-PRODUCTS PRODUCED FROM COAL.

Waste Code: K144
Waste Description: WASTEWATER SUMP RESIDUES FROM LIGHT OIL REFINING, INCLUDING, BUT NOT LIMITED TO, INTERCEPTING OR CONTAMINATION SUMP SLUDGES FROM THE RECOVERY OF COKE BY-PRODUCTS PRODUCED FROM COAL.

Waste Code: K145
Waste Description: RESIDUES FROM NAPHTHALENE COLLECTION AND RECOVERY OPERATIONS FROM THE RECOVERY OF COKE BY-PRODUCTS PRODUCED FROM COAL.

Waste Code: K147
Waste Description: TAR STORAGE RESIDUES FROM COAL TAR REFINING.

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Waste Code: K148
Waste Description: RESIDUES FROM COAL TAR DISTILLATION, INCLUDING, BUT NOT LIMITED TO, STILL BOTTOMS.

Waste Code: K149
Waste Description: DISTILLATION BOTTOMS FROM THE PRODUCTION OF ALPHA (OR METHYL-) CHLORINATED TOLUNES, RING-CHLORINATED TOLUNES, BENZOYL CHLORIDES, AND COMPOUNDS WITH MIXTURES OF THESE FUNCTIONAL GROUPS. [THIS WASTE DOES NOT INCLUDE STILL BOTTOMS FROM THE DISTILLATION OF BENZOYL CHLORIDE]

Waste Code: K150
Waste Description: ORGANIC RESIDULES EXCLUDING SPENT CARBON ADSORBENT, FROM THE SPENT CHLORINE GAS AND HYDROCHLORIC ACID RECOVERY PROCESSES ASSOCIATED WITH THE PRODUCTION OF ALPHA (OR METHYL-) CHLORINATED TOLUNES, BENZOYL CHLORIDES, AND COMPOUNDS WITH MIXTURES OF THESE FUNCTIONAL GROUPS.

Waste Code: K151
Waste Description: WASTEWATER TREATMENT SLUDGES, EXCLUDING NEUTRALIZATION AND BIOLOGICAL SLUDGES, GENERATED DURING THE TREATMENT OF WASTEWATERS FROM THE PRODUCTION OF ALPHA (OR METHYL-) CHLORINATED TOLUNES, BENZOYL CHLORIDES, AND COMPOUNDS WITH MIXTURES OF THESE FUNCTIONAL GROUPS.

Waste Code: K156
Waste Description: ORGANIC WASTE (INCLUDING HEAVY ENDS, STILL BOTTOMS, LIGHT ENDS, SPENT SOLVENTS, FILTRATES, AND DECANTATES) FROM THE PRODUCTION OF CARBAMATES AND CARBAMOYL OXIMES.

Waste Code: K157
Waste Description: WASTEWATERS (INCLUDING SCRUBBER WATERS, CONDENSER WATERS, WASHWATERS, AND SEPARATION WATERS) FROM THE PRODUCTION OF CARBAMATES AND CARBAMOYL OXIMES.

Waste Code: K158
Waste Description: BAG HOUSE DUSTS AND FILTER/SEPARATION SOLIDS FROM THE PRODUCTION OF CARBAMATES AND CARBAMOYL OXIMES.

Waste Code: K159
Waste Description: ORGANICS FROM THE TREATMENT OF THIOCARBAMATE WASTES.

Waste Code: K160
Waste Description: SOLIDS (INCLUDING FILTER WASTES, SEPARATION SOLIDS, AND SPENT CATALYSTS) FROM THE PRODUCTION OF THIOCARBAMATES AND SOLIDS FROM THE TREATMENT OF THIOCARBAMATE WASTES.

Waste Code: K161
Waste Description: PURIFICATION SOLIDS (INCLUDING FILTRATION, EVAPORATION, AND CENTRIFUGATION SOLIDS), BAG HOUSE DUST AND FLOOR SWEEPINGS FROM THE PRODUCTION OF DITHIOCARBAMATE ACIDS AND THEIR SALTS. (THIS LISTING DOES NOT INCLUDE K125 OR K126).

Waste Code: K169
Waste Description: CRUDE OIL STORAGE TANK SEDIMENT FROM PETROLEUM REFINING OPERATIONS

Waste Code: K170
Waste Description: CLARIFIED SLURRY OIL TANK SEDIMENT AND/OR IN-LINE FILTER/SEPARATION SOLIDS FROM PETROLEUM REFINING OPERATIONS

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Waste Code: K171
Waste Description: SPENT HYDROTREATING CATALYST FROM PETROLEUM REFINING OPERATIONS,INCLUDING GUARD BEDS USED TO DESULFURIZE FEEDS TO OTHER CATALYTIC REACTORS (THIS LISTING DOES NOT INCLUDE INERT SUPPORT MEDIA)

Waste Code: K172
Waste Description: K172

Waste Code: K174
Waste Description: WASTEWATER TREATMENT SLUDGES FROM THE PRODUCTION OF ETHLYENE DICHLORIDE OR VINYL CHLORIDE

Waste Code: K175
Waste Description: WASTEWATER TREATMENT SLUDGE FROM THE PRODUCTION OF VINYL CHLORIDE MONOMER..

Waste Code: K176
Waste Description: BAGHOUSE FILTERS FROM THE PRODUCTION OF ANTIMONY OXIDE, INCLUDING FILTERS FROM THE PRODUCTION OF INTERMEDIATES (E.G.,ANTIMONY METAL OR CRUDE ANTIMONY OXIDE)

Waste Code: K177
Waste Description: SLAG FROM THE PRODUCTION OF ANTIMONY OXIDE THAT IS SPECULATIVELY ACCUMULATED OR DISPOSED,INCLUDING SLAG FROM THE PRODUCTION OF INTERMEDIATES (E.G.,ANTIMONY METAL OR CRUDE ANTIMONY OXIDE)

Waste Code: K178
Waste Description: RESIDUES FROM MANUFACTURING AND MANUFACTURING-SITE STORAGE OF FERRIC CHLORIDE FROM ACIDS FORMED DURING THE PRODUCTION OF TITANIUM DIOXIDE USING THE CHLORIDE-ILMENITE PROCESS.

Waste Code: K181
Waste Description: Nonwastewaters from the production of dyes and/or pigments.

Waste Code: LABP
Waste Description: LAB PACK

Waste Code: P001
Waste Description: 2H-1-BENZOPYRAN-2-ONE, 4-HYDROXY-3-(3-OXO-1-PHENYLBUTYL)-, & SALTS, WHEN PRESENT AT CONCENTRATIONS GREATER THAN 0.3% (OR) WARFARIN, & SALTS, WHEN PRESENT AT CONCENTRATIONS GREATER THAN 0.3%

Waste Code: P002
Waste Description: 1-ACETYL-2-THIOUREA (OR) ACETAMIDE, N-(AMINOTHIOXOMETHYL)-

Waste Code: P003
Waste Description: 2-PROPENAL (OR) ACROLEIN

Waste Code: P004
Waste Description: 1,4,5,8-DIMETHANONAPHTHALENE, 1,2,3,4,10,10-HEXA-CHLORO-1,4,4A,5,8,8A,-HEXAHYDRO-, (1ALPHA, 4ALPHA, 4ABETA, 5ALPHA, 8ALPHA, 8ABETA)- (OR) ALDRIN

Waste Code: P005
Waste Description: 2-PROPEN-1-OL (OR) ALLYL ALCOHOL

Waste Code: P006

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Waste Description: ALUMINUM PHOSPHIDE (R,T)

Waste Code: P007
Waste Description: 3(2H)-ISOXAZOLONE, 5-(AMINOMETHYL)- (OR) 5-(AMINOMETHYL)-3-ISOXAZOLOL

Waste Code: P008
Waste Description: 4-AMINOPYRIDINE (OR) 4-PYRIDINAMINE

Waste Code: P009
Waste Description: AMMONIUM PICRATE (R) (OR) PHENOL, 2,4,6-TRINITRO-, AMMONIUM SALT (R)

Waste Code: P010
Waste Description: ARSENIC ACID H3ASO4

Waste Code: P011
Waste Description: ARSENIC OXIDE AS2O5 (OR) ARSENIC PENTOXIDE

Waste Code: P012
Waste Description: ARSENIC OXIDE AS2O3 (OR) ARSENIC TRIOXIDE

Waste Code: P013
Waste Description: BARIUM CYANIDE

Waste Code: P014
Waste Description: BENZENETHIOL (OR) THIOPHENOL

Waste Code: P015
Waste Description: BERYLLIUM

Waste Code: P016
Waste Description: DICHLOROMETHYL ETHER (OR) METHANE, OXYBIS[CHLORO-

Waste Code: P017
Waste Description: 2-PROPANONE, 1-BROMO- (OR) BROMOACETONE

Waste Code: P018
Waste Description: BRUCINE (OR) STRYCHNIDIN-10-ONE, 2,3-DIMETHOXY-

Waste Code: P020
Waste Description: DINOSEB (OR) PHENOL, 2-(1-METHYLPROPYL)-4,6-DINITRO-

Waste Code: P021
Waste Description: CALCIUM CYANIDE (OR) CALCIUM CYANIDE CA(CN)2

Waste Code: P022
Waste Description: CARBON DISULFIDE

Waste Code: P023
Waste Description: ACETALDEHYDE, CHLORO- (OR) CHLOROACETALDEHYDE

Waste Code: P024
Waste Description: BENZENAMINE, 4-CHLORO- (OR) P-CHLORANILINE

Waste Code: P026
Waste Description: 1-(O-CHLOROPHENYL)THIOUREA (OR) THIOUREA, (2-CHLOROPHENYL)-

Waste Code: P027

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Waste Description: 3-CHLOROPROPIONITRILE (OR) PROPANENITRILE, 3-CHLORO-

Waste Code: P028
Waste Description: BENZENE, (CHLOROMETHYL)- (OR) BENZYL CHLORIDE

Waste Code: P029
Waste Description: COPPER CYANIDE (OR) COPPER CYANIDE CU(CN)

Waste Code: P030
Waste Description: CYANIDES (SOLUBLE CYANIDE SALTS), NOT OTHERWISE SPECIFIED

Waste Code: P031
Waste Description: CYANOGEN (OR) ETHANEDINITRILE

Waste Code: P033
Waste Description: CYANOGEN CHLORIDE (OR) CYANOGEN CHLORIDE (CN)CL

Waste Code: P034
Waste Description: 2-CYCLOHEXYL-4,6-DINITROPHENOL (OR) PHENOL, 2-CYCLOHEXYL-4,6-DINITRO-

Waste Code: P036
Waste Description: ARSONOUS DICHLORIDE, PHENYL- (OR) DICHLOROPHENYLARSINE

Waste Code: P037
Waste Description: 2,7:3,6-DIMETHANONAPHTH[2,3-B]OXIRENE, 3,4,5,6,9,9-HEXACHLORO-1A,2,2A,3,6,6A,7,7A-OCTAHYDRO-, (1AALPHA, 2BETA, 2AALPHA, 3BETA, 6BETA, 6AALPHA, 7BETA, 7AALPHA)- (OR) DIELDRIN

Waste Code: P038
Waste Description: ARSINE, DIETHYL- (OR) DIETHYLARSINE

Waste Code: P039
Waste Description: DISULFOTON (OR) PHOSPHORODITHIOIC ACID, O,O-DIETHYL S-[2-(ETHYLTHIO)ETHYL] ESTER

Waste Code: P040
Waste Description: O,O-DIETHYL O-PYRAZINYL PHOSPHOROTHIOATE (OR) PHOSPHOROTHIOIC ACID, O,O-DIETHYL O-PYRAZINYL ESTER

Waste Code: P041
Waste Description: DIETHYL-P-NITROPHENYL PHOSPHATE (OR) PHOSPHORIC ACID, DIETHYL 4-NITROPHENYL ESTER

Waste Code: P042
Waste Description: 1,2-BENZENEDIOL, 4-[1-HYDROXY-2-(METHYLAMINO)ETHYL]-, (R)- (OR) EPINEPHRINE

Waste Code: P043
Waste Description: DIISOPROPYLFLUOROPHOSPHATE (DFP) (OR) PHOSPHOROFLUORIDIC ACID, BIS(1-METHYLETHYL) ESTER

Waste Code: P044
Waste Description: DIMETHOATE (OR) PHOSPHORODITHIOIC ACID, O,O-DIMETHYL S-[2-(METHYLAMINO)-2-OXOETHYL] ESTER

Waste Code: P045
Waste Description: 2-BUTANONE, 3,3-DIMETHYL-1-(METHYLTHIO)-, O-[METHYLAMINO)CARBONYL]

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OXIME (OR) THIOFANOX

Waste Code: P046
Waste Description: ALPHA,ALPHA-DIMETHYLPHENETHYLAMINE (OR) BENZENEETHANAMINE, ALPHA, ALPHA-DIMETHYL-

Waste Code: P047
Waste Description: 4,6-DINITRO-O-CRESOL, & SALTS (OR) PHENOL, 2-METHYL-4,6-DINITRO-, & SALTS

Waste Code: P048
Waste Description: 2,4-DINITROPHENOL (OR) PHENOL, 2,4-DINITRO-

Waste Code: P049
Waste Description: DITHIOBIURET (OR) THIOIMIDODICARBONIC DIAMIDE [(H2N)C(S)]2NH

Waste Code: P050
Waste Description: 6,9-METHANO-2,4,3-BENZODIOXATHIEPIN,6,7,8,9,10,10-HEXACHLORO-1,5,5A,6, 9,9A-HEXAHYDRO-,3-OXIDE (OR) ENDOSULFAN

Waste Code: P051
Waste Description: 2,7:3,6-DIMETHANONAPHTH[2,3-B]OXIRENE, 3,4,5,6,9,9-HEXACHLORO-1A,2,2A,3,6,6A,7,7A-OCTAHYDRO-, (1AALPHA, 2BETA, 2ABETA, 3ALPHA, 6ALPHA, 6ABETA, 7BETA, 7AALPHA)- & METABOLITES (OR) ENDRIN (OR) ENDRIN, & METABOLITES

Waste Code: P054
Waste Description: AZIRIDINE (OR) ETHYLENEIMINE

Waste Code: P056
Waste Description: FLUORINE

Waste Code: P057
Waste Description: ACETAMIDE, 2-FLUORO- (OR) FLUOROACETAMIDE

Waste Code: P058
Waste Description: ACETIC ACID, FLUORO-, SODIUM SALT (OR) FLUOROACETIC ACID, SODIUM SALT

Waste Code: P059
Waste Description: 4,7-METHANO-1H-INDENE, 1,4,5,6,7,8,8-HEPTACHLORO-3A,4,7,7A-TETRAHYDRO- (OR) HEPTACHLOR

Waste Code: P060
Waste Description: 1,4,5,8-DIMETHANONAPHTHALENE, 1,2,3,4,10,10-HEXA-CHLORO-1,4,4A,5,8,8A,-HEXAHYDRO-, (1ALPHA, 4ALPHA, 4ABETA, 5BETA, 8BETA, 8ABETA)- (OR) ISODRIN

Waste Code: P062
Waste Description: HEXAETHYL TETRAPHOSPHATE (OR) TETRAPHOSPHORIC ACID, HEXAETHYL ESTER

Waste Code: P063
Waste Description: HYDROCYANIC ACID (OR) HYDROGEN CYANIDE

Waste Code: P064
Waste Description: METHANE, ISOCYANATO- (OR) METHYL ISOCYANATE

Waste Code: P065

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Waste Description: FULMINIC ACID, MERCURY(2+) SALT (R,T) (OR) MERCURY FULMINATE (R,T)

Waste Code: P066
Waste Description: ETHANIMIDOTHIOIC ACID, N-[[(METHYLAMINO)CARBONYL]OXY]-, METHYL ESTER (OR) METHOMYL

Waste Code: P067
Waste Description: 1,2-PROPYLENIMINE (OR) AZIRIDINE, 2-METHYL-

Waste Code: P068
Waste Description: HYDRAZINE, METHYL- (OR) METHYL HYDRAZINE

Waste Code: P069
Waste Description: 2-METHYLLACTONITRILE (OR) PROPANENITRILE, 2-HYDROXY-2-METHYL-

Waste Code: P070
Waste Description: ALDICARB (OR) PROPANAL, 2-METHYL-2-(METHYLTHIO)-, O-[(METHYLAMINO)CARBONYL]OXIME

Waste Code: P071
Waste Description: METHYL PARATHION (OR) PHOSPHOROTHIOIC ACID, O,O,-DIMETHYL O-(4-NITROPHENYL) ESTER

Waste Code: P072
Waste Description: ALPHA-NAPHTHYLTHIOUREA (OR) THIOUREA, 1-NAPHTHALENYL-

Waste Code: P073
Waste Description: NICKEL CARBONYL (OR) NICKEL CARBONYL NI(CO)4, (T-4)-

Waste Code: P074
Waste Description: NICKEL CYANIDE (OR) NICKEL CYANIDE NI(CN)2

Waste Code: P075
Waste Description: NICOTINE, & SALTS (OR) PYRIDINE, 3-(1-METHYL-2-PYRROLIDINYL)-,(S)-, & SALTS

Waste Code: P076
Waste Description: NITRIC OXIDE (OR) NITROGEN OXIDE NO

Waste Code: P077
Waste Description: BENZENAMINE, 4-NITRO- (OR) P-NITROANILINE

Waste Code: P078
Waste Description: NITROGEN DIOXIDE (OR) NITROGEN OXIDE NO2

Waste Code: P081
Waste Description: 1,2,3-PROPANETRIOL, TRINITRATE (R) (OR) NITROGLYCERINE (R)

Waste Code: P082
Waste Description: METHANIMINE, N-METHYL-N-NITROSO- (OR) N-NITROSODIMETHYLAMINE

Waste Code: P084
Waste Description: N-NITROSOMETHYLVINYLAMINE (OR) VINYLAMINE, N-METHYL-N-NITROSO-

Waste Code: P085
Waste Description: DIPHOSPHORAMIDE, OCTAMETHYL- (OR) OCTAMETHYLPYROPHOSPHORAMIDE

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Waste Code: P087
Waste Description: OSMIUM OXIDE OSO4, (T-4)- (OR) OSMIUM TETROXIDE

Waste Code: P088
Waste Description: 7-OXABICYCLO[2.2.1]HEPTANE-2,3-DICARBOXYLIC ACID (OR) ENDOTHALL

Waste Code: P089
Waste Description: PARATHION (OR) PHOSPHOROTHIOIC ACID, O,O-DIETHYL-O-(4-NITROPHENYL) ESTER

Waste Code: P092
Waste Description: MERCURY, (ACETATO-O)PHENYL- (OR) PHENYLMERCURY ACETATE

Waste Code: P093
Waste Description: PHENYLTHIOUREA (OR) THIOUREA, PHENYL-

Waste Code: P094
Waste Description: PHORATE (OR) PHOSPHORODITHIOIC ACID, O,O-DIETHYL S-[(ETHYLTHIO)METHYL] ESTER

Waste Code: P095
Waste Description: CARBONIC DICHLORIDE (OR) PHOSGENE

Waste Code: P096
Waste Description: HYDROGEN PHOSPHIDE (OR) PHOSPHINE

Waste Code: P097
Waste Description: FAMPHUR (OR) PHOSPHOROTHIOIC ACID O-[4-[(DIMETHYLAMINO)SULFONYL]PHENYL] O,O-DIMETHYL ESTER

Waste Code: P098
Waste Description: POTASSIUM CYANIDE (OR) POTASSIUM CYANIDE K(CN)

Waste Code: P099
Waste Description: ARGENTATE (1-), BIS(CYANO-C)-, POTASSIUM (OR) POTASSIUM SILVER CYANIDE

Waste Code: P101
Waste Description: ETHYL CYANIDE (OR) PROPANENITRILE

Waste Code: P102
Waste Description: 2-PROPYN-1-OL (OR) PROPARGYL ALCOHOL

Waste Code: P103
Waste Description: SELENOUREA

Waste Code: P104
Waste Description: SILVER CYANIDE (OR) SILVER CYANIDE AG(CN)

Waste Code: P105
Waste Description: SODIUM AZIDE

Waste Code: P106
Waste Description: SODIUM CYANIDE (OR) SODIUM CYANIDE NA(CN)

Waste Code: P107
Waste Description: STRONTIUM SULFIDE SRS

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Waste Code: P108
Waste Description: STRYCHNIDIN-10-ONE, & SALTS (OR) STRYCHNINE, & SALTS

Waste Code: P109
Waste Description: TETRAETHYLDITHIOPYROPHOSPHATE (OR) THIODIPHOSPHORIC ACID, TETRAETHYL ESTER

Waste Code: P110
Waste Description: PLUMBANE, TETRAETHYL- (OR) TETRAETHYL LEAD

Waste Code: P111
Waste Description: DIPHOSPHORIC ACID, TETRAETHYL ESTER (OR) TETRAETHYL PYROPHOSPHATE

Waste Code: P112
Waste Description: METHANE, TETRANITRO- (R) (OR) TETRANITROMETHANE (R)

Waste Code: P113
Waste Description: THALLIC OXIDE (OR) THALLIUM OXIDE TL2O3

Waste Code: P114
Waste Description: SELENIOUS ACID, DITHALLIUM (1+) SALT (OR) THALLIUM(I) SELENITE

Waste Code: P115
Waste Description: SULFURIC ACID, DITHALLIUM (1+) SALT (OR) THALLIUM(I) SULFATE

Waste Code: P116
Waste Description: HYDRAZINECARBOTHIOAMIDE (OR) THIOSEMICARBAZIDE

Waste Code: P118
Waste Description: METHANETHIOL, TRICHLORO- (OR) TRICHLOROMETHANETHIOL

Waste Code: P119
Waste Description: AMMONIUM VANADATE (OR) VANADIC ACID, AMMONIUM SALT

Waste Code: P120
Waste Description: VANADIUM OXIDE V2O5 (OR) VANADIUM PENTOXIDE

Waste Code: P121
Waste Description: ZINC CYANIDE (OR) ZINC CYANIDE ZN(CN)2

Waste Code: P122
Waste Description: ZINC PHOSPHIDE ZN3P2, WHEN PRESENT AT CONCENTRATIONS GREATER THAN 10% (R,T)

Waste Code: P123
Waste Description: TOXAPHENE

Waste Code: P127
Waste Description: P127

Waste Code: P128
Waste Description: P128

Waste Code: P185
Waste Description: 1,3-DITHIOLANE-2-CARBOXALDEHYDE, 2,4-DIMETHYL-, O-[(METHYLAMINO)-CARBONYL]OXIME (OR) TIRPATE

GREEN COMPASS ENVIRONMENTAL SOLUTIONS LLC (Continued) **1016148125**

Waste Code: P188
Waste Description: BENZOIC ACID, 2-HYDROXY-, COMPD. WITH (3AS-CIS)-1,2,3,3A,8,8A-HEXAHYDRO-1,3A,8-TRIMETHYLPYRROLO[2,3-B]INDOL-5-YL METHYLCARBAMATE ESTER (1:1) (OR) PHYSOSTIGMINE SALICYLATE

Waste Code: P189
Waste Description: CARBAMIC ACID, [(DIBUTYLAMINO)-THIO]METHYL-, 2,3-DIHYDRO-2,2-DIMETHYL -7-BENZOFURANYL ESTER (OR) CARBOSULFAN

Waste Code: P190
Waste Description: CARBAMIC ACID, METHYL-, 3-METHYLPHENYL ESTER (OR) METOLCARB

Waste Code: P191
Waste Description: CARBAMIC ACID, DIMETHYL-, 1-[(DIMETHYL-AMINO)CARBONYL]- 5-METHYL-1H-PYRAZOL-3-YL ESTER (OR) DIMETILAN

Waste Code: P192
Waste Description: ISOLAN (OR) CARBAMIC ACID, DIMETHYL-, 3-METHY-L-(1-METHYLETHYL)-1H-PYRAZOL-5-YL ESTER

Waste Code: P194
Waste Description: ETHANIMIDOTHIOC ACID, 2-(DIMETHYLAMINO)-N-[[(METHYLAMINO) CARBONYL]OXY]-2-OXO-, METHYL ESTER (OR) OXAMYL

Waste Code: P196
Waste Description: MANGANESE DIMETHYLDITHIOCARBAMATE (OR) MANGANESE, BIS(DIMETHYLCARBAMODITHIOATO-S,S')-,

Waste Code: P197
Waste Description: FORMPARANATE (OR) METHANIMIDAMIDE, N,N-DIMETHYL-N'-[2-METHYL-4-[[(METHYLAMINO)CARBONYL]OXY]PHENYL]

Waste Code: P198
Waste Description: METHANIMIDAMIDE, N,N-DIMETHYL-N'-[3-[[(METHYLAMINO)-CARBONYL]OXY]PHENYL]-, MONOHYDROCHLORIDE (OR) FORMETANATE HYDROCHLORIDE

Waste Code: P199
Waste Description: P199

Waste Code: P201
Waste Description: PHENOL, 3-METHYL-5-(1-METHYLETHYL)-, METHYL CARBAMATE (OR) PROMECARB

Waste Code: P202
Waste Description: M-CUMENYL METHYLCARBAMATE (OR) 3-ISOPROPYLPHENYL N-METHYLCARBAMATE (OR) PHENOL, 3-(1-METHYLETHYL)-, METHYL CARBAMATE

Waste Code: P203
Waste Description: ALDICARB SULFONE (OR) PROPANAL, 2-METHYL-2-(METHYL-SULFONYL)-, O-[(METHYLAMINO)CARBONYL] OXIME

Waste Code: P204
Waste Description: PHYSOSTIGMINE (OR) PYRROLO[2,3-B]INDOL-5-OL, 1,2,3,3A,8,8A-HEXAHYDRO-1,3A,8-TRIMETHYL-METHYLCARBAMATE (ESTER), (3AS-CIS)-

Waste Code: P205

GREEN COMPASS ENVIRONMENTAL SOLUTIONS LLC (Continued) **1016148125**

Waste Description: ZINC, BIS(DIMETHYLCARBAMODITHIOATO-S,S')-, (OR) ZIRAM

Waste Code: U001
Waste Description: ACETALDEHYDE (I) (OR) ETHANAL (I)

Waste Code: U002
Waste Description: 2-PROPANONE (I) (OR) ACETONE (I)

Waste Code: U003
Waste Description: ACETONITRILE (I,T)

Waste Code: U004
Waste Description: ACETOPHENONE (OR) ETHANONE, 1-PHENYL-

Waste Code: U005
Waste Description: 2-ACETYLAMINOFLUORENE (OR) ACETAMIDE, N-9H-FLUOREN-2-YL

Waste Code: U006
Waste Description: ACETYL CHLORIDE (C,R,T)

Waste Code: U007
Waste Description: 2-PROPENAMIDE (OR) ACRYLAMIDE

Waste Code: U008
Waste Description: 2-PROPENOIC ACID (I) (OR) ACRYLIC ACID (I)

Waste Code: U009
Waste Description: 2-PROPENENITRILE (OR) ACRYLONITRILE

Waste Code: U010
Waste Description: AZIRINO [2',3':3,4]PYRROLO[1,2-A]INDOLE-4,7-DIONE, 6-AMINO-8-[[(AMINOCARBONYL)OXY]METHYL]-1,1A,2,8,8A,8B-HEXAHYDRO-8A-METHOXY-5-METHYL-, [1AS-(1AALPHA, 8BETA, 8AALPHA, 8BALPHA)]- (OR) MITOMYCIN C

Waste Code: U011
Waste Description: 1H-1,2,4-TRIAZOL-3-AMINE (OR) AMITROLE

Waste Code: U012
Waste Description: ANILINE (I,T) (OR) BENZENAMINE (I,T)

Waste Code: U014
Waste Description: AURAMINE (OR) BENZENAMINE, 4,4'-CARBONIMIDOYLBIS[N,N-DIMETHYL-

Waste Code: U015
Waste Description: AZASERINE (OR) L-SERINE, DIAZOACETATE (ESTER)

Waste Code: U016
Waste Description: BENZ[C]ACRIDINE

Waste Code: U017
Waste Description: BENZAL CHLORIDE (OR) BENZENE, (DICHLOROMETHYL)-

Waste Code: U018
Waste Description: BENZ[A]ANTHRACENE

Waste Code: U019

GREEN COMPASS ENVIRONMENTAL SOLUTIONS LLC (Continued) **1016148125**

Waste Description: BENZENE (I,T)

Waste Code: U020
Waste Description: BENZENESULFONIC ACID CHLORIDE (C,R) (OR) BENZENESULFONYL CHLORIDE (C,R)

Waste Code: U021
Waste Description: [1,1'-BIPHENYL]-4,4'-DIAMINE (OR) BENZIDINE

Waste Code: U022
Waste Description: BENZO[A]PYRENE

Waste Code: U023
Waste Description: BENZENE, (TRICHLOROMETHYL)- (OR) BENZOTRICHLORIDE (C,R,T)

Waste Code: U024
Waste Description: DICHLOROMETHOXY ETHANE (OR) ETHANE, 1,1'-[METHYLENEBIS(OXY)]BIS[2-CHLORO-

Waste Code: U025
Waste Description: DICHLOROETHYL ETHER (OR) ETHANE, 1,1'-OXYBIS[2-CHLORO-

Waste Code: U026
Waste Description: CHLORNAPHAZIN (OR) NAPHTHALENAMINE, N,N'-BIS(2-CHLOROETHYL)-

Waste Code: U027
Waste Description: DICHLOROISOPROPYL ETHER (OR) PROPANE, 2,2'-OXYBIS[2-CHLORO-

Waste Code: U028
Waste Description: 1,2-BENZENEDICARBOXYLIC ACID, BIS(2-ETHYLHEXYL) ESTER (OR) DIETHYLHEXYL PHTHALATE

Waste Code: U029
Waste Description: METHANE, BROMO- (OR) METHYL BROMIDE

Waste Code: U030
Waste Description: 4-BROMOPHENYL PHENYL ETHER (OR) BENZENE, 1-BROMO-4-PHENOXY-

Waste Code: U031
Waste Description: 1-BUTANOL (I) (OR) N-BUTYL ALCOHOL (I)

Waste Code: U032
Waste Description: CALCIUM CHROMATE (OR) CHROMIC ACID H2CRO4, CALCIUM SALT

Waste Code: U033
Waste Description: CARBON OXYFLUORIDE (R,T) (OR) CARBONIC DIFLUORIDE

Waste Code: U034
Waste Description: ACETALDEHYDE, TRICHLORO- (OR) CHLORAL

Waste Code: U035
Waste Description: BENZENEBUTANOIC ACID, 4-[BIS(2-CHLOROETHYL)AMINO]- (OR) CHLORAMBUCIL

Waste Code: U036
Waste Description: 4,7-METHANO-1H-INDENE, 1,2,4,5,6,7,8,8-OCTACHLORO-2,3,3A,4,7,7A-HEXAHYDRO- (OR) CHLORDANE, ALPHA & GAMMA ISOMERS

GREEN COMPASS ENVIRONMENTAL SOLUTIONS LLC (Continued) **1016148125**

Waste Code: U037
Waste Description: BENZENE, CHLORO- (OR) CHLOROBENZENE

Waste Code: U038
Waste Description: BENZENEACETIC ACID, 4-CHLORO-ALPHA-(4-CHLOROPHENYL)-ALPHA-HYDROXY-, ETHYL ESTER (OR) CHLOROBENZILATE

Waste Code: U039
Waste Description: P-CHLORO-M-CRESOL (OR) PHENOL, 4-CHLORO-3-METHYL-

Waste Code: U041
Waste Description: EPICHLOROHYDRIN (OR) OXIRANE, (CHLOROMETHYL)-

Waste Code: U042
Waste Description: 2-CHLOROETHYL VINYL ETHER (OR) ETHENE, (2-CHLOROETHOXY)-

Waste Code: U043
Waste Description: ETHENE, CHLORO- (OR) VINYL CHLORIDE

Waste Code: U044
Waste Description: CHLOROFORM (OR) METHANE, TRICHLORO-

Waste Code: U045
Waste Description: METHANE, CHLORO- (I,T) (OR) METHYL CHLORIDE (I,T)

Waste Code: U046
Waste Description: CHLOROMETHYL METHYL ETHER (OR) METHANE, CHLOROMETHOXY-

Waste Code: U047
Waste Description: BETA-CHLORONAPHTHALENE (OR) NAPHTHALENE, 2-CHLORO-

Waste Code: U048
Waste Description: O-CHLOROPHENOL (OR) PHENOL, 2-CHLORO-

Waste Code: U049
Waste Description: 4-CHLORO-O-TOLUIDINE, HYDROCHLORIDE (OR) BENZENAMINE, 4-CHLORO-2-METHYL-, HYDROCHLORIDE

Waste Code: U050
Waste Description: CHRYSENE

Waste Code: U051
Waste Description: CREOSOTE

Waste Code: U052
Waste Description: CRESOL (CRESYLIC ACID) (OR) PHENOL, METHYL-

Waste Code: U053
Waste Description: 2-BUTENAL (OR) CROTONALDEHYDE

Waste Code: U055
Waste Description: BENZENE, (1-METHYLETHYL)- (I) (OR) CUMENE (I)

Waste Code: U056
Waste Description: BENZENE, HEXAHYDRO- (I) (OR) CYCLOHEXANE (I)

Waste Code: U057

GREEN COMPASS ENVIRONMENTAL SOLUTIONS LLC (Continued) **1016148125**

Waste Description: CYCLOHEXANONE (I)

Waste Code: U058
Waste Description: 2H-1,3,2-OXAZAPHOSPHORIN-2-AMINE, N,N-BIS(2-CHLOROETHYL)TETRAHYDRO-, 2-OXIDE (OR) CYCLOPHOSPHAMIDE

Waste Code: U059
Waste Description: 5,12-NAPHTHACENEDIONE, 8-ACETYL-10-[(3-AMINO-2,3,6-TRIDEOXY)-ALPHA-L-LYXO-HEXOPYRANOSYL)OXY]-7,8,9,10-TETRAHYDRO-6,8,11-TRIHYDROXY-1-METHOXY-, (8S-CIS)- (OR) DAUNOMYCIN

Waste Code: U060
Waste Description: BENZENE, 1,1'-(2,2-DICHLOROETHYLIDENE)BIS[4-CHLORO- (OR) DDD

Waste Code: U061
Waste Description: BENZENE, 1,1'-(2,2,2-TRICHLOROETHYLIDENE)BIS[4-CHLORO- (OR) DDT

Waste Code: U062
Waste Description: CARBAMOTHIOIC ACID, BIS(1-METHYLETHYL)-, S-(2,3-DICHLORO-2-PROPENYL) ESTER (OR) DIALLATE

Waste Code: U063
Waste Description: DIBENZ[A,H]ANTHRACENE

Waste Code: U064
Waste Description: BENZO[RST]PENTAPHENE (OR) DIBENZO[A,I]PYRENE

Waste Code: U066
Waste Description: 1,2-DIBROMO-3-CHLOROPROPANE (OR) PROPANE, 1,2-DIBROMO-3-CHLORO-

Waste Code: U067
Waste Description: ETHANE, 1,2-DIBROMO- (OR) ETHYLENE DIBROMIDE

Waste Code: U068
Waste Description: METHANE, DIBROMO- (OR) METHYLENE BROMIDE

Waste Code: U069
Waste Description: 1,2-BENZENEDICARBOXYLIC ACID, DIBUTYL ESTER (OR) DIBUTYL PHTHALATE

Waste Code: U070
Waste Description: BENZENE, 1,2-DICHLORO- (OR) O-DICHLOROBENZENE

Waste Code: U071
Waste Description: BENZENE, 1,3-DICHLORO- (OR) M-DICHLOROBENZENE

Waste Code: U072
Waste Description: BENZENE, 1,4-DICHLORO- (OR) P-DICHLOROBENZENE

Waste Code: U073
Waste Description: [1,1'-BIPHENYL]-4,4'-DIAMINE, 3,3'-DICHLORO- (OR) 3,3'-DICHLOROBENZIDINE

Waste Code: U074
Waste Description: 1,4-DICHLORO-2-BUTENE (I,T) (OR) 2-BUTENE, 1,4-DICHLORO- (I,T)

Waste Code: U075

GREEN COMPASS ENVIRONMENTAL SOLUTIONS LLC (Continued) **1016148125**

Waste Description: DICHLORODIFLUOROMETHANE (OR) METHANE, DICHLORODIFLUORO-

Waste Code: U076
Waste Description: ETHANE, 1,1-DICHLORO- (OR) ETHYLIDENE DICHLORIDE

Waste Code: U077
Waste Description: ETHANE, 1,2-DICHLORO- (OR) ETHYLENE DICHLORIDE

Waste Code: U078
Waste Description: 1,1-DICHLOROETHYLENE (OR) ETHENE, 1,1-DICHLORO-

Waste Code: U079
Waste Description: 1,2-DICHLOROETHYLENE (OR) ETHENE, 1,2-DICHLORO-,(E)-

Waste Code: U080
Waste Description: METHANE, DICHLORO- (OR) METHYLENE CHLORIDE

Waste Code: U081
Waste Description: 2,4-DICHLOROPHENOL (OR) PHENOL, 2,4-DICHLORO-

Waste Code: U082
Waste Description: 2,6-DICHLOROPHENOL (OR) PHENOL, 2,6-DICHLORO-

Waste Code: U083
Waste Description: PROPANE, 1,2-DICHLORO- (OR) PROPYLENE DICHLORIDE

Waste Code: U084
Waste Description: 1,3-DICHLOROPROPENE (OR) 1-PROPENE, 1,3-DICHLORO-

Waste Code: U085
Waste Description: 1,2:3,4-DIEPOXYBUTANE (I,T) (OR) 2,2'-BIOXIRANE

Waste Code: U086
Waste Description: HYDRAZINE, 1,2-DIETHYL- (OR) N,N'-DIETHYLHYDRAZINE

Waste Code: U087
Waste Description: O,O-DIETHYL S-METHYL DITHIOPHOSPHATE (OR) PHOSPHORODITHIOIC ACID, O,O-DIETHYL S-METHYL ESTER

Waste Code: U088
Waste Description: 1,2-BENZENEDICARBOXYLIC ACID, DIETHYL ESTER (OR) DIETHYL PHTHALATE

Waste Code: U089
Waste Description: DIETHYLSTILBESTEROL (OR) PHENOL, 4,4'-(1,2-DIETHYL-1,2-ETHENEDIYL)BIS, (E)-

Waste Code: U090
Waste Description: 1,3-BENZODIOXOLE, 5-PROPYL- (OR) DIHYDROSAFROLE

Waste Code: U091
Waste Description: [1,1'-BIPHENYL]-4,4'-DIAMINE, 3,3'-DIMETHOXY- (OR) 3,3'-DIMETHOXYBENZIDINE

Waste Code: U092
Waste Description: DIMETHYLAMINE (I) (OR) METHANAMINE, N-METHYL- (I)

Waste Code: U093

GREEN COMPASS ENVIRONMENTAL SOLUTIONS LLC (Continued) **1016148125**

Waste Description: BENZENAMINE, N,N-DIMETHYL-4-(PHENYLAZO)- (OR) P-DIMETHYLAMINOAZOBENZENE

Waste Code: U094
Waste Description: 7,12-DIMETHYLBENZ[A]ANTHRACENE (OR) BENZ[A]ANTHRACENE, 7,12-DIMETHYL-

Waste Code: U095
Waste Description: [1,1'-BIPHENYL]-4,4'-DIAMINE, 3,3'-DIMETHYL- (OR) 3,3'-DIMETHYLBENZIDINE

Waste Code: U096
Waste Description: ALPHA,ALPHA-DIMETHYLBENZYLHYDROPEROXIDE (R) (OR) HYDROPEROXIDE, 1-METHYL-1-PHENYLETHYL- (R)

Waste Code: U097
Waste Description: CARBAMIC CHLORIDE, DIMETHYL- (OR) DIMETHYLCARBAMOYL CHLORIDE

Waste Code: U098
Waste Description: 1,1-DIMETHYLHYDRAZINE (OR) HYDRAZINE, 1,1-DIMETHYL-

Waste Code: U099
Waste Description: 1,2-DIMETHYLHYDRAZINE (OR) HYDRAZINE, 1,2-DIPHENYL-

Waste Code: U101
Waste Description: 2,4-DIMETHYLPHENOL (OR) PHENOL, 2,4-DIMETHYL-

Waste Code: U102
Waste Description: 1,2-BENZENEDICARBOXYLIC ACID, DIMETHYL ESTER (OR) DIMETHYL PHTHALATE

Waste Code: U103
Waste Description: DIMETHYL SULFATE (OR) SULFURIC ACID, DIMETHYL ESTER

Waste Code: U105
Waste Description: 2,4-DINITROTOLUENE (OR) BENZENE, 1-METHYL-2,4-DINITRO-

Waste Code: U106
Waste Description: 2,6-DINITROTOLUENE (OR) BENZENE, 2-METHYL-1,3-DINITRO-

Waste Code: U107
Waste Description: 1,2-BENZENEDICARBOXYLIC ACID, DIOCTYL ESTER (OR) DI-N-OCTYL PHTHALATE

Waste Code: U108
Waste Description: 1,4-DIETHYLENEOXIDE (OR) 1,4-DIOXANE

Waste Code: U109
Waste Description: 1,2-DIPHENYLHYDRAZINE (OR) HYDRAZINE, 1,2-DIPHENYL-

Waste Code: U110
Waste Description: 1-PROPANIMINE, N-PROPYL-(I) (OR) DIPROPYLAMINE (I)

Waste Code: U111
Waste Description: 1-PROPANAMINE, N-NITROSO-N-PROPYL- (OR) DI-N-PROPYLNITROSAMINE

Waste Code: U112
Waste Description: ACETIC ACID, ETHYL ESTER (I) (OR) ETHYL ACETATE (I)

Waste Code: U113

GREEN COMPASS ENVIRONMENTAL SOLUTIONS LLC (Continued) **1016148125**

Waste Description: 2-PROPENOIC ACID, ETHYL ESTER (I) (OR) ETHYL ACRYLATE (I)

Waste Code: U114
Waste Description: CARBAMODITHIOIC ACID, 1,2-ETHANEDIYLBIS-, SALTS & ESTERS (OR) ETHYLENEBISDITHIOCARBAMIC ACID, SALTS & ESTERS

Waste Code: U115
Waste Description: ETHYLENE OXIDE (I,T) (OR) OXIRANE (I,T)

Waste Code: U116
Waste Description: 2-IMIDAZOLIDINETHIONE (OR) ETHYLENETHIOUREA

Waste Code: U117
Waste Description: ETHANE, 1,1'-OXYBIS-(I) (OR) ETHYL ETHER (I)

Waste Code: U118
Waste Description: 2-PROPENOIC ACID, 2-METHYL-, ETHYL ESTER (OR) ETHYL METHACRYLATE

Waste Code: U119
Waste Description: ETHYL METHANESULFONATE (OR) METHANESULFONIC ACID, ETHYL ESTER

Waste Code: U120
Waste Description: FLUORANTHENE

Waste Code: U121
Waste Description: METHANE, TRICHLOROFLUORO- (OR) TRICHLOROMONOFLUOROMETHANE

Waste Code: U122
Waste Description: FORMALDEHYDE

Waste Code: U123
Waste Description: FORMIC ACID (C,T)

Waste Code: U124
Waste Description: FURAN (I) (OR) FURFURAN (I)

Waste Code: U125
Waste Description: 2-FURANCARBOXALDEHYDE (I) (OR) FURFURAL (I)

Waste Code: U126
Waste Description: GLYCIDYLALDEHYDE (OR) OXIRANECARBOXYALDEHYDE

Waste Code: U127
Waste Description: BENZENE, HEXACHLORO- (OR) HEXACHLOROBENZENE

Waste Code: U128
Waste Description: 1,3-BUTADIENE, 1,1,2,3,4,4-HEXACHLORO- (OR) HEXACHLOROBUTADIENE

Waste Code: U129
Waste Description: CYCLOHEXANE, 1,2,3,4,5,6-HEXACHLORO-, (1ALPHA, 2ALPHA, 3BETA, 4ALPHA, 5ALPHA, 6BETA)- (OR) LINDANE

Waste Code: U130
Waste Description: 1,3-CYCLOPENTADIENE, 1,2,3,4,5,5-HEXACHLORO- (OR) HEXACHLOROCYCLOPENTADIENE

Waste Code: U131

GREEN COMPASS ENVIRONMENTAL SOLUTIONS LLC (Continued) **1016148125**

Waste Description: ETHANE, HEXACHLORO- (OR) HEXACHLOROETHANE

Waste Code: U132
Waste Description: HEXACHLOROPHENE (OR) PHENOL, 2,2'-METHYLENEBIS[3,4,6-TRICHLORO-

Waste Code: U133
Waste Description: HYDRAZINE (R,T)

Waste Code: U134
Waste Description: HYDROFLUORIC ACID (C,T) (OR) HYDROGEN FLUORIDE (C,T)

Waste Code: U135
Waste Description: HYDROGEN SULFIDE (OR) HYDROGEN SULFIDE H2S

Waste Code: U136
Waste Description: ARSINIC ACID, DIMETHYL- (OR) CACODYLIC ACID

Waste Code: U137
Waste Description: INDENO[1,2,3-CD]PYRENE

Waste Code: U138
Waste Description: METHANE, IODO- (OR) METHYL IODIDE

Waste Code: U140
Waste Description: 1-PROPANOL, 2-METHYL- (I,T) (OR) ISOBUTYL ALCOHOL (I,T)

Waste Code: U141
Waste Description: 1,3-BENZODIOXOLE, 5-(1-PROPENYL)- (OR) ISOSAFROLE

Waste Code: U142
Waste Description: 1,3,4-METHENO-2H-CYCLOBUTA[CD]PENTALEN-2-ONE, 1,1A,3,3A,4,5,5,5A,5B,6-DECACHLOROOCTAHYDRO- (OR) KEPONE

Waste Code: U143
Waste Description: 2-BUTENOIC ACID, 2-METHYL-, 7-[[2,3-DIHYDROXY-2-(1-METHOXYETHYL)-3-METHYL-1-OXOBUTOXY]METHYL]-2,3,5,7A-TETRAHYDRO-1H-PYRROLIZIN-1-YL ESTER, [1S-[1ALPHA(Z), 7(2S*,3R*), 7AALPHA]]- (OR) LASIOCARPINE

Waste Code: U144
Waste Description: ACETIC ACID, LEAD(2+) SALT (OR) LEAD ACETATE

Waste Code: U145
Waste Description: LEAD PHOSPHATE (OR) PHOSPHORIC ACID, LEAD(2+) SALT (2:3)

Waste Code: U146
Waste Description: LEAD SUBACETATE (OR) LEAD, BIS(ACETATO-O)TETRAHYDROXYTRI-

Waste Code: U147
Waste Description: 2,5-FURANDIONE (OR) MALEIC ANHYDRIDE

Waste Code: U148
Waste Description: 3,6-PYRIDAZINEDIONE, 1,2-DIHYDRO- (OR) MALEIC HYDRAZIDE

Waste Code: U149
Waste Description: MALONONITRILE (OR) PROPANEDINITRILE

GREEN COMPASS ENVIRONMENTAL SOLUTIONS LLC (Continued) **1016148125**

Waste Code: U150
Waste Description: L-PHENYLALANINE, 4-[BIS(2-CHLOROETHYL)AMINO]- (OR) MELPHALAN

Waste Code: U151
Waste Description: MERCURY

Waste Code: U152
Waste Description: 2-PROPENENITRILE, 2-METHYL- (I,T) (OR) METHACRYLONITRILE (I,T)

Waste Code: U153
Waste Description: METHANETHIOL (I,T) (OR) THIOMETHANOL (I,T)

Waste Code: U154
Waste Description: METHANOL (I) (OR) METHYL ALCOHOL (I)

Waste Code: U155
Waste Description: 1,2-ETHANEDIAMINE, N,N-DIMETHYL-N'-2-PYRIDINYL-N'-(2-THIENYLMETHYL)- (OR) METHAPYRILENE

Waste Code: U156
Waste Description: CARBONOCHLORIDIC ACID, METHYL ESTER, (I,T) (OR) METHYL CHLOROCARBONATE (I,T)

Waste Code: U157
Waste Description: 3-METHYLCHOLANTHRENE (OR) BENZ[J]ACEANTHRYLENE, 1,2-DIHYDRO-3-METHYL-

Waste Code: U158
Waste Description: 4,4'-METHYLENEBIS(2-CHLOROANILINE) (OR) BENZENAMINE, 4,4'-METHYLENEBIS[2-CHLORO-

Waste Code: U159
Waste Description: 2-BUTANONE (I,T) (OR) METHYL ETHYL KETONE (MEK) (I,T)

Waste Code: U160
Waste Description: 2-BUTANONE, PEROXIDE (R,T) (OR) METHYL ETHYL KETONE PEROXIDE (R,T)

Waste Code: U161
Waste Description: 4-METHYL-2-PENTANONE (I) (OR) METHYL ISOBUTYL KETONE (I) (OR) PENTANOL, 4-METHYL-

Waste Code: U162
Waste Description: 2-PROPENOIC ACID, 2-METHYL-, METHYL ESTER (I,T) (OR) METHYL METHACRYLATE (I,T)

Waste Code: U163
Waste Description: GUANIDINE, N-METHYL-N'-NITRO-N-NITROSO- (OR) MNNG

Waste Code: U164
Waste Description: 4(1H)-PYRIMIDINONE, 2,3-DIHYDRO-6-METHYL-2-THIOXO- (OR) METHYLTHIOURACIL

Waste Code: U165
Waste Description: NAPHTHALENE

Waste Code: U166
Waste Description: 1,4-NAPHTHALENEDIONE (OR) 1,4-NAPHTHOQUINONE

GREEN COMPASS ENVIRONMENTAL SOLUTIONS LLC (Continued) **1016148125**

Waste Code: U167
Waste Description: 1-NAPTHALENAMINE (OR) ALPHA-NAPHTHYLAMINE

Waste Code: U168
Waste Description: 2-NAPTHALENAMINE (OR) BETA-NAPHTHYLAMINE

Waste Code: U169
Waste Description: BENZENE, NITRO- (OR) NITROBENZENE (I,T)

Waste Code: U170
Waste Description: P-NITROPHENOL (I,T) (OR) PHENOL, 4-NITRO-

Waste Code: U171
Waste Description: 2-NITROPROPANE (I,T) (OR) PROPANE, 2-NITRO- (I,T)

Waste Code: U172
Waste Description: 1-BUTANAMINE, N-BUTYL-N-NITROSO- (OR) N-NITROSODI-N-BUTYLAMINE

Waste Code: U173
Waste Description: ETHANOL, 2,2'-(NITROSOIMINO)BIS- (OR) N-NITROSODIETHANOLAMINE

Waste Code: U174
Waste Description: ETHANAMINE, N-ETHYL-N-NITROSO- (OR) N-NITROSODIETHYLAMINE

Waste Code: U176
Waste Description: N-NITROSO-N-ETHYLUREA (OR) UREA, N-ETHYL-N-NITROSO-

Waste Code: U177
Waste Description: N-NITROSO-N-METHYLUREA (OR) UREA, N-METHYL-N-NITROSO-

Waste Code: U178
Waste Description: CARBAMIC ACID, METHYLNITROSO-, ETHYL ESTER (OR) N-NITROSO-N-METHYLURETHANE

Waste Code: U179
Waste Description: N-NITROSOPIPERIDINE (OR) PIPERIDINE, 1-NITROSO-

Waste Code: U180
Waste Description: N-NITROSOPYRROLIDINE (OR) PYRROLIDINE, 1-NITROSO-

Waste Code: U181
Waste Description: 5-NITRO-O-TOLUIDINE (OR) BENZENAMINE, 2-METHYL-5-NITRO

Waste Code: U182
Waste Description: 1,3,5-TRIOXANE, 2,4,6-TRIMETHYL- (OR) PARALDEHYDE

Waste Code: U183
Waste Description: BENZENE, PENTACHLORO- (OR) PENTACHLOROBENZENE

Waste Code: U184
Waste Description: ETHANE, PENTACHLORO- (OR) PENTACHLOROETHANE

Waste Code: U185
Waste Description: BENZENE, PENTACHLORONITRO- (OR) PENTACHLORONITROBENZENE (PCNB)

Waste Code: U186
Waste Description: 1,3-PENTADIENE (I) (OR) 1-METHYLBUTADIENE (I)

GREEN COMPASS ENVIRONMENTAL SOLUTIONS LLC (Continued) **1016148125**

Waste Code: U187
Waste Description: ACETAMIDE, N-(4-ETHOXYPHENYL)- (OR) PHENACETIN

Waste Code: U188
Waste Description: PHENOL

Waste Code: U189
Waste Description: PHOSPHORUS SULFIDE (R) (OR) SULFUR PHOSPHIDE (R)

Waste Code: U190
Waste Description: 1,3-ISOBENZOFURANDIONE (OR) PHTHALIC ANHYDRIDE

Waste Code: U191
Waste Description: 2-PICOLINE (OR) PYRIDINE, 2-METHYL-

Waste Code: U192
Waste Description: BENZAMIDE, 3,5-DICHLORO-N-(1,1-DIMETHYL-2-PROPYNYL)- (OR) PRONAMIDE

Waste Code: U193
Waste Description: 1,2-OXATHIOLANE, 2,2-DIOXIDE (OR) 1,3-PROPANE SULTONE

Waste Code: U194
Waste Description: 1-PROPANAMINE (I,T) (OR) N-PROPYLAMINE (I,T)

Waste Code: U196
Waste Description: PYRIDINE

Waste Code: U197
Waste Description: 2,5-CYCLOHEXADIENE-1,4-DIONE (OR) P-BENZOQUINONE

Waste Code: U200
Waste Description: RESERPINE (OR) YOHIMBAN-16-CARBOXYLIC ACID, 11,17-DIMETHOXY-18-[(3,4,5-TRIMETHOXYBENZOYL)OXY]-, METHYL ESTER, (3BETA, 16BETA, 17ALPHA, 18BETA, 20ALPHA)-

Waste Code: U201
Waste Description: 1,3-BENZENEDIOL (OR) RESORCINOL

Waste Code: U202
Waste Description: 1,2-BENZISOTHIAZOL-3(2H)-ONE, 1,1-DIOXIDE, & SALTS (OR) SACCHARIN, & SALTS

Waste Code: U203
Waste Description: 1,3-BENZODIOXOLE, 5-(2-PROPENYL)- (OR) SAFROLE

Waste Code: U204
Waste Description: SELENIOUS ACID (OR) SELENIUM DIOXIDE

Waste Code: U205
Waste Description: SELENIUM SULFIDE (OR) SELENIUM SULFIDE SES2 (R,T)

Waste Code: U206
Waste Description: D-GLUCOSE, 2-DEOXY-2-[[(METHYLNITROSOAMINO)-CARBONYL]AMINO]- (OR) GLUCOPYRANOSE, 2-DEOXY-2-(3-METHYL-3-NITROSOUREIDO)-,D- (OR) STREPTOZOTOCIN

Waste Code: U207

GREEN COMPASS ENVIRONMENTAL SOLUTIONS LLC (Continued) **1016148125**

Waste Description: 1,2,4,5-TETRACHLOROBENZENE (OR) BENZENE, 1,2,4,5-TETRACHLORO-

Waste Code: U208
Waste Description: 1,1,1,2-TETRACHLOROETHANE (OR) ETHANE, 1,1,1,2-TETRACHLORO-

Waste Code: U209
Waste Description: 1,1,2,2-TETRACHLOROETHANE (OR) ETHANE, 1,1,2,2-TETRACHLORO-

Waste Code: U210
Waste Description: ETHENE, TETRACHLORO- (OR) TETRACHLOROETHYLENE

Waste Code: U211
Waste Description: CARBON TETRACHLORIDE (OR) METHANE, TETRACHLORO-

Waste Code: U213
Waste Description: FURAN, TETRAHYDRO-(I) (OR) TETRAHYDROFURAN (I)

Waste Code: U214
Waste Description: ACETIC ACID, THALLIUM(1+) SALT (OR) THALLIUM(I) ACETATE

Waste Code: U215
Waste Description: CARBONIC ACID, DITHALLIUM(1+) SALT (OR) THALLIUM(I) CARBONATE

Waste Code: U216
Waste Description: THALLIUM CHLORIDE TLCL (OR) THALLIUM(I) CHLORIDE

Waste Code: U217
Waste Description: NITRIC ACID, THALLIUM(1+) SALT (OR) THALLIUM(I) NITRATE

Waste Code: U218
Waste Description: ETHANETHIOAMIDE (OR) THIOACETAMIDE

Waste Code: U219
Waste Description: THIOUREA

Waste Code: U220
Waste Description: BENZENE, METHYL- (OR) TOLUENE

Waste Code: U221
Waste Description: BENZENEDIAMINE, AR-METHYL- (OR) TOLUENEDIAMINE

Waste Code: U222
Waste Description: BENZENAMINE, 2-METHYL-, HYDROCHLORIDE (OR) O-TOLUIDINE HYDROCHLORIDE

Waste Code: U223
Waste Description: BENZENE, 1,3-DIISOCYANATOMETHYL- (R,T) (OR) TOLUENE DIISOCYANATE (R,T)

Waste Code: U225
Waste Description: BROMOFORM (OR) METHANE, TRIBROMO-

Waste Code: U226
Waste Description: ETHANE, 1,1,1-TRICHLORO- (OR) METHYL CHLOROFORM

Waste Code: U227
Waste Description: 1,1,2-TRICHLOROETHANE (OR) ETHANE, 1,1,2-TRICHLORO-

Waste Code: U228

GREEN COMPASS ENVIRONMENTAL SOLUTIONS LLC (Continued) **1016148125**

Waste Description: ETHENE, TRICHLORO- (OR) TRICHLOROETHYLENE

Waste Code: U234
Waste Description: 1,3,5-TRINITROBENZENE (R,T) (OR) BENZENE, 1,3,5-TRINITRO-

Waste Code: U235
Waste Description: 1-PROPANOL, 2,3-DIBROMO-, PHOSPHATE (3:1) (OR) TRIS(2,3,-DIBROMOPROPYL) PHOSPHATE

Waste Code: U236
Waste Description: 2,7-NAPHTHALENEDISULFONIC ACID,3,3'-[(3,3'-DIMETHYL[1,1'-BIPHENYL]-4,4'-DIYL)BIS(AZO)BIS[5-AMINO -4-HYDROXY]-, TETRASODIUM SALT (OR) TRYPAN BLUE

Waste Code: U237
Waste Description: 2,4-(1H,3H)-PYRIMIDINEDIONE, 5-[BIS(2-CHLOROETHYL)AMINO]- (OR) URACIL MUSTARD

Waste Code: U238
Waste Description: CARBAMIC ACID, ETHYL ESTER (OR) ETHYL CARBAMATE (URETHANE)

Waste Code: U239
Waste Description: BENZENE, DIMETHYL- (I,T) (OR) XYLENE (I)

Waste Code: U240
Waste Description: 2,4-D, SALTS & ESTERS (OR) ACETIC ACID, (2,4-DICHLOROPHENOXY)-, SALTS & ESTERS (OR) DICHLOROPHENOXYACETIC ACID 2,4-D

Waste Code: U243
Waste Description: 1-PROPENE, 1,1,2,3,3,3-HEXACHLORO- (OR) HEXACHLOROPROPENE

Waste Code: U244
Waste Description: THIOPEROXYDICARBONIC DIAMIDE [(H2N)C(S)]2S2, TETRAMETHYL- (OR) THIRAM

Waste Code: U246
Waste Description: CYANOGEN BROMIDE (CN)BR

Waste Code: U247
Waste Description: BENZENE, 1,1'-(2,2,2-TRICHLOROETHYLIDENE)BIS[4-METHOXY- (OR) METHOXYCHLOR

Waste Code: U248
Waste Description: 2H-1-BENZOPYRAN-2-ONE, 4-HYDROXY-3-(3-OXO-1-PHENYL-BUTYL)-, & SALTS, WHEN PRESENT AT CONCENTRATIONS OF 0.3% OR LESS (OR) WARFARIN, & SALTS, WHEN PRESENT AT CONCENTRATIONS OF 0.3% OR LESS

Waste Code: U249
Waste Description: ZINC PHOSPHIDE ZN3P2, WHEN PRESENT AT CONCENTRATIONS OF 10% OR LESS

Waste Code: U271
Waste Description: BENOMYL (OR) CARBAMIC ACID, [1-[(BUTYLAMINO)CARBONYL]-1H-BENZIMIDAZOL-2-YL]-, METHYL ESTER

Waste Code: U277
Waste Description: SULFALLATE (OR) CARBAMODITHIOIC ACID, DIETHYL-, 2-CHLORO-2-PROPENYL ESTER

GREEN COMPASS ENVIRONMENTAL SOLUTIONS LLC (Continued) **1016148125**

Waste Code: U278
Waste Description: BENDIOCARB (OR) 1,3-BENZODIOXOL-4-OL, 2,2-DIMETHYL-, METHYL CARBAMATE

Waste Code: U279
Waste Description: U279

Waste Code: U280
Waste Description: BARBAN (OR) CARBAMIC ACID, (3-CHLOROPHENYL)-, 4-CHLORO-2-BUTYNYL ESTER

Waste Code: U328
Waste Description: BENZENAMINE, 2-METHYL- (OR) O-TOLUIDINE

Waste Code: U353
Waste Description: BENZENAMINE, 4-METHYL- (OR) P-TOLUIDINE

Waste Code: U359
Waste Description: ETHANOL, 2-ETHOXY- (OR) ETHYLENE GLYCOL MONOETHYL ETHER

Waste Code: U364
Waste Description: BENDIOCARB PHENOL (OR) 1,3-BENZODIOXOL-4-OL, 2,2-DIMETHYL-

Waste Code: U365
Waste Description: H-AZEPINE-1-CARBOTHIOIC ACID, HEXAHYDRO-, S-ETHYL ESTER (OR) MOLINATE

Waste Code: U366
Waste Description: DAZOMET (OR) 2H-1,3,5-THIADIAZINE- 2-THIONE, TETRAHYDRO-3,5-DIMETHYL-

Waste Code: U367
Waste Description: 7-BENZOFURANOL, 2,3-DIHYDRO-2,2-DIMETHYL- (OR) CARBOFURAN PHENOL

Waste Code: U372
Waste Description: CARBAMIC ACID, 1H-BENZIMIDAZOL-2-YL, METHYL ESTER (OR) CARBENDAZIM

Waste Code: U373
Waste Description: CARBAMIC ACID, PHENYL-, 1-METHYLETHYL ESTER (OR) PROPHAM

Waste Code: U375
Waste Description: CARBAMIC ACID, BUTYL-, 3-IODO-2-PROPYNYL ESTER (OR) 3-IODO-2-PROPYNYL N-BUTYLCARBAMATE

Waste Code: U376
Waste Description: CARBAMODITHIOIC ACID, DIMETHYL-, TETRAANHYDROSULFIDE WITH ORTHOTHIOSETENIOUS ACID (OR) SELENIUM, TETRAKIS (DIMETHYLDITHIOCARBAMATE)

Waste Code: U377
Waste Description: CARBAMODITHIOIC ACID, METHYL-, MONOPOTASSIUM SALT (OR) POTASSIUM N-METHYLDITHIOCARBAMATE

Waste Code: U378
Waste Description: CARBAMODITHIOIC ACID, (HYDROXYMETHYL) METHYL-, MONOPOTASSIUM SALT (OR) POTASSIUM N-HYDROXYMETHYL- N-METHYLDI-THIOCARBAMATE

Waste Code: U379
Waste Description: SODIUM DIBUTYLDITHIOCARBAMATE (OR) CARBAMODITHIOIC ACID, DIBUTYL, SODIUM SALT

GREEN COMPASS ENVIRONMENTAL SOLUTIONS LLC (Continued) **1016148125**

Waste Code: U381
Waste Description: CARBAMODITHIOIC ACID, DIETHYL-, SODIUM SALT (OR) SODIUM DIETHYLDITHIOCARBAMATE

Waste Code: U382
Waste Description: CARBAMODITHIOIC ACID, DIMETHYL-, SODIUM SALT (OR) SODIUM DIMETHYLDITHIOCARBAMATE

Waste Code: U383
Waste Description: CARBAMODITHIOIC ACID, DIMETHYL, POTASSIUM SALT (OR) POTASSIUM DIMETHYLDITHIOCARBAMATE

Waste Code: U384
Waste Description: CARBAMODITHIOIC ACID, METHYL-, MONOSODIUM SALT (OR) METAM SODIUM

Waste Code: U385
Waste Description: CARBAMOTHIOIC ACID, DIPROPYL-, S-PROPYL ESTER

Waste Code: U386
Waste Description: CARBAMOTHIOIC ACID, CYCLOHEXYLETHYL-, S-ETHYL ESTER (OR) CYCLOATE

Waste Code: U387
Waste Description: CARBAMOTHIOIC ACID, DIPROPYL-, S-(PHENYLMETHYL) ESTER (OR) PROSULFOCARB

Waste Code: U389
Waste Description: CARBAMOTHIOIC ACID, BIS(1-METHYLETHYL)-, S-(2,3,3-TRICHLORO-2-PROPENYL) ESTER (OR) TRIALLATE

Waste Code: U390
Waste Description: CARBAMOTHIOIC ACID, DIPROPYL-, S-ETHYL ESTER (OR) EPTC

Waste Code: U391
Waste Description: CARBAMOTHIOIC ACID, BUTYLETHYL-, S-PROPYL ESTER (OR) PEBULATE

Waste Code: U392
Waste Description: BUTYLATE (OR) CARBAMOTHIOIC ACID, BIS(2-METHYLPROPYL)-, S-ETHYL ESTER

Waste Code: U393
Waste Description: COPPER, BIS(DIMETHYLCARBAMODITHIOATO-S,S')- (OR) COPPER DIMETHYLDITHIOCARBAMATE

Waste Code: U394
Waste Description: A2213 (OR) ETHANIMIDOTHIOIC ACID, 2-(DIMETHYLAMINO)-N-HYDROXY-2-OXO-, METHYL ESTER

Waste Code: U395
Waste Description: DIETHYLENE GLYCOL, DICARBAMATE (OR) ETHANOL, 2,2'-OXYBIS-, DICARBAMATE

Waste Code: U396
Waste Description: FERBAM (OR) IRON, TRIS(DIMETHYLCARBAMODITHIOATO-S,S')-,

Waste Code: U400
Waste Description: BIS(PENTAMETHYLENE)THIURAM TETRASULFIDE (OR) PIPERIDINE, 1,1'-(TETRATHIODICARBONOTHIOYL)-BIS-

Waste Code: U401

GREEN COMPASS ENVIRONMENTAL SOLUTIONS LLC (Continued) **1016148125**

Waste Description: BIS(DIMETHYLTHIOCARBAMOYL) SULFIDE (OR) TETRAMETHYLTHIURAM MONOSULFIDE

Waste Code: U402
Waste Description: TETRABUTYLTHIURAM DISULFIDE (OR) THIOPEROXYDICARBONIC DIAMIDE, TETRABUTYL

Waste Code: U403
Waste Description: DISULFIRAM (OR) THIOPEROXYDICARBONIC DIAMIDE, TETRAETHYL

Waste Code: U404
Waste Description: U404

Waste Code: U407
Waste Description: ETHYL ZIRAM

Waste Code: U408
Waste Description: Not Defined

Waste Code: U409
Waste Description: CARBAMIC ACID, [1,2-PHENYLENEBIS (IMINOCARBONOTHIOYL)]BIS-, DIMETHYL ESTER (OR) THIOPHANATE-METHYL

Waste Code: U410
Waste Description: ETHANIMIDOTHIOIC ACID, N,N'-[THIOBIS[(METHYLIMINO)CARBONYLOXY]]BIS-, DIMETHYL ESTER (OR) THIODICARB

Waste Code: U411
Waste Description: U411

Handler - Owner Operator:
Owner/Operator Indicator: Operator
Owner/Operator Name: BRYAN BURNES
Legal Status: Private
Date Became Current: 20070101
Date Ended Current: Not reported
Owner/Operator Address: Not reported
Owner/Operator City,State,Zip: Not reported
Owner/Operator Telephone: Not reported
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Owner
Owner/Operator Name: BRYAN BURNES
Legal Status: Private
Date Became Current: 20070101
Date Ended Current: Not reported
Owner/Operator Address: 1069 W IONA AVE
Owner/Operator City,State,Zip: LEMOORE, CA 93245
Owner/Operator Telephone: 559-924-3447
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Historic Generators:
Receive Date: 20130618

GREEN COMPASS ENVIRONMENTAL SOLUTIONS LLC (Continued) **1016148125**

Handler Name: GREEN COMPASS ENVIRONMENTAL SOLUTIONS LLC
Federal Waste Generator Description: Not a generator, verified
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: Yes
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

List of NAICS Codes and Descriptions:
NAICS Code: 562112
NAICS Description: HAZARDOUS WASTE COLLECTION

Facility Has Received Notices of Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

FINDS:
Registry ID: 110055439958

Click Here for FRS Facility Detail Report:

Environmental Interest/Information System:
RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

ECHO:
Envid: 1016148125
Registry ID: 110055439958
DFR URL: http://echo.epa.gov/detailed-facility-report?fid=110055439958
Name: GREEN COMPASS ENVIRONMENTAL SOLUTIONS LLC
Address: 1069 W IONA AVE
City,State,Zip: LEMOORE, CA 93245

A8
West
< 1/8
0.045 mi.
238 ft.

LEMOORE CROSSINGS, LLC — **UST** — **U004352486**
1225 SIERRA CIR — **N/A**
LEMOORE, CA 93245

Site 3 of 6 in cluster A

Relative:
Higher

Actual:
222 ft.

UST:

Name:	LEMOORE CROSSINGS, LLC
Address:	1225 SIERRA CIR
City,State,Zip:	LEMOORE, CA 93245
Facility ID:	FA0003172
Permitting Agency:	Kings County Environmental Health
CERSID:	10483858
Latitude:	36.2840700
Longitude:	-119.7994800
Owner type:	Non-Government
Facility type:	Motor Vehicle Fueling
Num of inuse ust:	Not reported
Num of closed ust:	0
Num of oos ust:	0
Epa region:	9
Tribal lands:	No
Tank owner name:	Pankaj & Daksha 2010 Trust
Tank owner mailing address:	10752 rockhurst ave
Tank owner mailing city:	North Tustin
Tank owner mailing zip:	92705
Tank owner mailing state:	Ca
Tank operator name:	Lemoore Crossings
Tank operator mailing address:	10752 Rockhurst Ave
Tank operator mailing city:	North Tustin
Tank operator mailing zip:	92705
Tank operator mailing state:	Ca
Tankidnumber:	246002
Tank status:	Confirmed/Updated Information
Tank configuration:	One in a Compartmented Unit
Tank closure date:	Not reported
Tank installation date:	6/18/2007 12:00:00 AM
Tank num of compartments:	2
Tank contents:	Premium Unleaded
Tank capacity gallons:	10000
Tank type:	Double Wall
Tank pc construction:	Steel
Tank pwpiping construction:	Fiberglass
Tank piping type:	Pressure
Tank piping construction:	Double Walled
Tank sacrificial anode:	No
Tank cp impressed current:	No
Tank cp shutoff:	No
Tank alarms:	Yes
Tank ball float:	Yes
Tank spill bucket:	Yes

Name:	LEMOORE CROSSINGS, LLC
Address:	1225 SIERRA CIR
City,State,Zip:	LEMOORE, CA 93245
Facility ID:	FA0003172
Permitting Agency:	Kings County Environmental Health
CERSID:	10483858
Latitude:	36.2840700

LEMOORE CROSSINGS, LLC (Continued) **U004352486**

Longitude:	-119.7994800
Owner type:	Non-Government
Facility type:	Motor Vehicle Fueling
Num of inuse ust:	Not reported
Num of closed ust:	0
Num of oos ust:	0
Epa region:	9
Tribal lands:	No
Tank owner name:	Pankaj & Daksha 2010 Trust
Tank owner mailing address:	10752 rockhurst ave
Tank owner mailing city:	North Tustin
Tank owner mailing zip:	92705
Tank owner mailing state:	Ca
Tank operator name:	Lemoore Crossings
Tank operator mailing address:	10752 Rockhurst Ave
Tank operator mailing city:	North Tustin
Tank operator mailing zip:	92705
Tank operator mailing state:	Ca
Tankidnumber:	246003
Tank status:	Confirmed/Updated Information
Tank configuration:	One in a Compartmented Unit
Tank closure date:	Not reported
Tank installation date:	6/18/2007 12:00:00 AM
Tank num of compartments:	2
Tank contents:	Diesel
Tank capacity gallons:	10000
Tank type:	Double Wall
Tank pc construction:	Steel
Tank pwpiping construction:	Fiberglass
Tank piping type:	Pressure
Tank piping construction:	Double Walled
Tank sacrificial anode:	No
Tank cp impressed current:	No
Tank cp shutoff:	No
Tank alarms:	Yes
Tank ball float:	Yes
Tank spill bucket:	Yes

Name:	LEMOORE CROSSINGS, LLC
Address:	1225 SIERRA CIR
City,State,Zip:	LEMOORE, CA 93245
Facility ID:	FA0003172
Permitting Agency:	Kings County Environmental Health
CERSID:	10483858
Latitude:	36.2840700
Longitude:	-119.7994800
Owner type:	Non-Government
Facility type:	Motor Vehicle Fueling
Num of inuse ust:	Not reported
Num of closed ust:	0
Num of oos ust:	0
Epa region:	9
Tribal lands:	No
Tank owner name:	Pankaj & Daksha 2010 Trust
Tank owner mailing address:	10752 rockhurst ave
Tank owner mailing city:	North Tustin
Tank owner mailing zip:	92705

LEMOORE CROSSINGS, LLC (Continued) **U004352486**

Tank owner mailing state: Ca
Tank operator name: Lemoore Crossings
Tank operator mailing address: 10752 Rockhurst Ave
Tank operator mailing city: North Tustin
Tank operator mailing zip: 92705
Tank operator mailing state: Ca
Tankidnumber: 246001
Tank status: Confirmed/Updated Information
Tank configuration: Stand Alone Tank
Tank closure date: Not reported
Tank installation date: 6/18/2007 12:00:00 AM
Tank num of compartments: 1
Tank contents: Regular Unleaded
Tank capacity gallons: 20000
Tank type: Double Wall
Tank pc construction: Steel
Tank pwpiping construction: Fiberglass
Tank piping type: Pressure
Tank piping construction: Double Walled
Tank sacrificial anode: No
Tank cp impressed current: No
Tank cp shutoff: No
Tank alarms: Yes
Tank ball float: Yes
Tank spill bucket: Yes

A9 **LEMOOR CROSSING** **EDR Hist Auto** **1022090909**
West **1225 SIERRA CIR** **N/A**
< 1/8 **LEMOORE, CA 93245**
0.045 mi.
238 ft. **Site 4 of 6 in cluster A**

Relative: EDR Hist Auto
Higher

Actual: Year: Name: Type:
222 ft. 2011 LEMOOR CROSSING Gasoline Service Stations
2012 LEMOOR CROSSING Gasoline Service Stations

A10 **LEMOORE CROSSINGS, LLC** **CERS TANKS** **S121785690**
West **1225 SIERRA CIR** **CUPA Listings** **N/A**
< 1/8 **LEMOORE, CA 93245** **CERS**
0.045 mi.
238 ft. **Site 5 of 6 in cluster A**

Relative: CERS TANKS:
Higher
Name: LEMOORE CROSSINGS, LLC
Actual: Address: 1225 SIERRA CIR
222 ft. City,State,Zip: LEMOORE, CA 93245
Site ID: 43986
CERS ID: 10483858
CERS Description: Underground Storage Tank

CUPA KINGS:
Name: LEMOORE CROSSINGS
Address: 1225 SIERRA CIR
City,State,Zip: CA 93245

LEMOORE CROSSINGS, LLC (Continued) **S121785690**

Region: KING
Facility Id: FA0003172
Status: I
PE: 2113
Mailing Address 1: 10752 ROCKHURST AVE
Mailing State: CA
Mailing Zip: 92705
Decode of Fstatus: InActive
Mailing Name: AMAR MOWJI

Name: LEMOORE CROSSINGS
Address: 1225 SIERRA CIR
City,State,Zip: CA 93245
Region: KING
Facility Id: FA0003172
Status: A
PE: 2233
Mailing Address 1: 10752 ROCKHURST AVE
Mailing State: CA
Mailing Zip: 92705
Decode of Fstatus: Active
Mailing Name: AMAR MOWJI

Name: LEMOORE CROSSINGS
Address: 1225 SIERRA CIR
City,State,Zip: CA 93245
Region: KING
Facility Id: FA0003172
Status: A
PE: 2300
Mailing Address 1: 10752 ROCKHURST AVE
Mailing State: CA
Mailing Zip: 92705
Decode of Fstatus: Active
Mailing Name: AMAR MOWJI

CERS:
Name: LEMOORE CROSSINGS, LLC
Address: 1225 SIERRA CIR
City,State,Zip: LEMOORE, CA 93245
Site ID: 43986
CERS ID: 10483858
CERS Description: Chemical Storage Facilities

Violations:
Site ID: 43986
Site Name: Lemoore Crossings, LLC
Violation Date: 01-28-2021
Citation: 23 CCR 16 2641(j) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2641(j)
Violation Description: Failure of the leak detection equipment to be installed, calibrated, operated, and/or maintained properly.
Violation Notes: Returned to compliance on 01/27/2022. S12 (Diesel Sumps) was in alarm upon technician's arrival. The technician was unable to clear vacuum on S12. Based on the alarm history and designated operator reports, S12 has been in alarm on multiple monthly D.O inspection reports from January of 2020-present. Provide a corrective action plan within 30

LEMOORE CROSSINGS, LLC (Continued) **S121785690**

days to ensure proper steps are being taken to resolve this issue. 1-27-2022 TH: As of 1-6-2022 this issue is ongoing and is noted on the the current inspection report. The previous inspector has separated from county employment at this time. The current inspector is working with the operator to resolve the issue.

Violation Division: Kings County Environmental Health
Violation Program: UST
Violation Source: CERS,

Site ID: 43986
Site Name: Lemoore Crossings, LLC
Violation Date: 03-01-2017
Citation: 23 CCR 16 2665 - California Code of Regulations, Title 23, Chapter 16, Section(s) 2665
Violation Description: Failure of the overfill prevention system to meet one of the following requirements: Alert the transfer operator when the tank is 90 percent full by restricting the flow into the tank or triggering an audible and visual alarm; or Restrict delivery of flow to the tank at least 30 minutes before the tank overfills, provided the restriction occurs when the tank is filled to no more than 95 percent of capacity; and activate an audible alarm at least five minutes before the tank overfills; or Provide positive shut-off of flow to the tank when the tank is filled to no more than 95 percent of capacity; or Provide positive shut-off of flow to the tank so that none of the fittings located on the top of the tank are exposed to product due to overfilling.
Violation Notes: Returned to compliance on 04/21/2017. The exterior over fill audio/visual alarm did not function when an overfill simulation test was performed for the 91 grade tank.
Violation Division: Kings County Environmental Health
Violation Program: UST
Violation Source: CERS,

Site ID: 43986
Site Name: Lemoore Crossings, LLC
Violation Date: 01-02-2020
Citation: 23 CCR 16 2641(h) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2641(h)
Violation Description: Failure to have an approved UST Monitoring Plan.
Violation Notes: Returned to compliance on 01/08/2020. The existing UST monitoring plan does not include the plumbing layout for product supply lines, vapor return lines, and tank vent lines. The plan also does not show the location of the tank system's exterior overfill alarm. Update the site map to include all required information.
Violation Division: Kings County Environmental Health
Violation Program: UST
Violation Source: CERS,

Site ID: 43986
Site Name: Lemoore Crossings, LLC
Violation Date: 01-20-2016
Citation: 23 CCR 16 2632, 2634, 2636, 2666 - California Code of Regulations, Title 23, Chapter 16, Section(s) 2632, 2634, 2636, 2666
Violation Description: Failure of the leak detection equipment to be properly programmed or properly operated.
Violation Notes: Returned to compliance on 01/20/2016. The 91 STP sensor did not provide positive shut-down. As a result, please replace and/or replace

LEMOORE CROSSINGS, LLC (Continued) **S121785690**

	the sensor and retest it to ensure it provides positive shut-down.
Violation Division:	Kings County Environmental Health
Violation Program:	UST
Violation Source:	CERS,
Site ID:	43986
Site Name:	Lemoore Crossings, LLC
Violation Date:	01-07-2019
Citation:	23 CCR 16 2641(j) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2641(j)
Violation Description:	Failure of the leak detection equipment to be installed, calibrated, operated, and/or maintained properly.
Violation Notes:	Returned to compliance on 12/28/2019. Per UST monitoring system certification report, S4 (87 sump Fill-STP) was tested; however, the technician was unable to restore vacuum to S4. Ensure this is corrected within 90 days.
Violation Division:	Kings County Environmental Health
Violation Program:	UST
Violation Source:	CERS,
Site ID:	43986
Site Name:	Lemoore Crossings, LLC
Violation Date:	01-28-2021
Citation:	23 CCR 16 2641(j) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2641(j)
Violation Description:	Failure of the leak detection equipment to be installed, calibrated, operated, and/or maintained properly.
Violation Notes:	S9 (91 Sump Fill-STP)was in alarm upon technician's arrival. The technician was unable to clear vacuum on S9. Based on the alarm history and designated operator reports, S9 has been in alarm on multiple monthly D.O inspection reports from January of 2020-present. Provide a corrective action plan within 30 days to ensure proper steps are being taken to resolve this issue. 1-27-2022 TH: As of the 1-6-2022 this issue is ongoing and is noted on the the current inspection report. The previous inspector has separated from county employment at this time. The current inspector is working with the operator to resolve the issue.
Violation Division:	Kings County Environmental Health
Violation Program:	UST
Violation Source:	CERS,
Site ID:	43986
Site Name:	Lemoore Crossings, LLC
Violation Date:	01-02-2020
Citation:	HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Description:	Failure to complete and electronically submit a site map with all required content.
Violation Notes:	Returned to compliance on 01/08/2020. The site map for this facility requires an update to include the locations of storm drains and shut-off locations for electrical supply and water. Of note, this facility is not supplied with natural gas. Update the existing site map to include the required information within the next 30 days.
Violation Division:	Kings County Environmental Health
Violation Program:	HMRRP
Violation Source:	CERS,

LEMOORE CROSSINGS, LLC (Continued) **S121785690**

Site ID:	43986
Site Name:	Lemoore Crossings, LLC
Violation Date:	03-01-2017
Citation:	HSC 6.7 Multiple - California Health and Safety Code, Chapter 6.7, Section(s) Multiple
Violation Description:	UST Program - Administration/Documentation - General - Must include violation description, proper statute and regulation citation in the "comment" section.
Violation Notes:	Returned to compliance on 03/01/2017. UDC 1/2: The VR 208 sensor did not shut-down either 87 nor 91 grade tank turbine pumps when hydro-tested as required although a monitoring panel A/V alarm was activated. The monitoring panel was re-programmed by the service technician and the proper functionality was established along with product supply turbine shut-down. Previous original violation changed from "Primary and secondary containment passed post installation testing per manufacturers guidelines" to match current Cal EPA violation library 10/13/2017.
Violation Division:	Kings County Environmental Health
Violation Program:	UST
Violation Source:	CERS,

Site ID:	43986
Site Name:	Lemoore Crossings, LLC
Violation Date:	01-06-2022
Citation:	23 CCR 16 2712 - California Code of Regulations, Title 23, Chapter 16, Section(s) 2712
Violation Description:	Failure to comply with any of the applicable requirements of the permit issued for the operation of the UST system.
Violation Notes:	Returned to compliance on 01/06/2022. Water was present in the diesel fill sump. The water was removed by the technician.
Violation Division:	Kings County Environmental Health
Violation Program:	UST
Violation Source:	CERS,

Site ID:	43986
Site Name:	Lemoore Crossings, LLC
Violation Date:	01-28-2021
Citation:	23 CCR 16 2641(j) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2641(j)
Violation Description:	Failure of the leak detection equipment to be installed, calibrated, operated, and/or maintained properly.
Violation Notes:	S4 (87 Sump-Manifold) was in alarm upon technician’s arrival. After running a diagnostic, the technician was able clear the S4 vacuum alarm. Violation corrected on-site.
Violation Division:	Kings County Environmental Health
Violation Program:	UST
Violation Source:	CERS,

Site ID:	43986
Site Name:	Lemoore Crossings, LLC
Violation Date:	01-06-2022
Citation:	23 CCR 16 2712 - California Code of Regulations, Title 23, Chapter 16, Section(s) 2712
Violation Description:	Failure to comply with any of the applicable requirements of the permit issued for the operation of the UST system.
Violation Notes:	Smart sensor S12 has been in alarm for the past 12 months. The sensor monitors the diesel tank turbine sump.

LEMOORE CROSSINGS, LLC (Continued) **S121785690**

Violation Division:	Kings County Environmental Health
Violation Program:	UST
Violation Source:	CERS,
Site ID:	43986
Site Name:	Lemoore Crossings, LLC
Violation Date:	01-28-2021
Citation:	23 CCR 16 2641(j) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2641(j)
Violation Description:	Failure of the leak detection equipment to be installed, calibrated, operated, and/or maintained properly.
Violation Notes:	Returned to compliance on 01/28/2021. 208 sensor in the 87 STP did not shut- down the turbine pump. VR 208 sensor was replaced and retested. The updated 208 sensor did shut- down the turbine pump in the 87 STP. Violation corrected on-site.
Violation Division:	Kings County Environmental Health
Violation Program:	UST
Violation Source:	CERS,
Site ID:	43986
Site Name:	Lemoore Crossings, LLC
Violation Date:	03-01-2017
Citation:	23 CCR 16 2631(g), 2632(c)(2)(A) & (B) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2631(g), 2632(c)(2)(A) & (B)
Violation Description:	Failure of the double-walled interstitial space of the tank to be continuously monitored with an audible and visual alarm.
Violation Notes:	Returned to compliance on 03/01/2017. The 87 grade tank's VR420 sensor did not activate an A/V alarm upon hydro-testing. The sensor was replaced and properly functioned upon replacement.
Violation Division:	Kings County Environmental Health
Violation Program:	UST
Violation Source:	CERS,
Site ID:	43986
Site Name:	Lemoore Crossings, LLC
Violation Date:	03-01-2017
Citation:	HSC 6.7 Multiple - California Health and Safety Code, Chapter 6.7, Section(s) Multiple
Violation Description:	UST Program - Administration/Documentation - General - Must include violation description, proper statute and regulation citation in the "comment" section.
Violation Notes:	Returned to compliance on 03/01/2017. UDC 3/4: The VR 208 sensor did not shut-down either the diesel, 87, nor 91 grade tank turbine pumps when hydro-tested as required although a monitoring panel A/V alarm was activated. The monitoring panel was re-programmed by the service technician and the proper functionality was established along with product supply turbine shut-down.
Violation Division:	Kings County Environmental Health
Violation Program:	UST
Violation Source:	CERS,
Site ID:	43986
Site Name:	Lemoore Crossings, LLC
Violation Date:	01-07-2019
Citation:	HSC 6.7 25284.2 - California Health and Safety Code, Chapter 6.7, Section(s) 25284.2

LEMOORE CROSSINGS, LLC (Continued) **S121785690**

Violation Description:	"Failure to meet one or more of the following requirements: Install or maintain a liquid-tight spill container. Have a minimum capacity of five gallons. Have a functional drain valve or other method for the removal of liquid from the spill container. Be resistant to galvanic corrosion. Perform a tightness test at installation, every 12 months thereafter, or within 30 days after a repair to the spill container. Tested using applicable manufacturer guidelines, industry codes, engineering standards, or a method approved by a professional engineer. Tested by a certified UST service technician. Maintain records of spill containment testing for 36 months. "
Violation Notes:	Returned to compliance on 01/07/2019. Per UST monitoring system certification report, the 91 spill bucket failed initial test. Technician discovered drain assembly and O-ring were damaged. Technician replaced drain assembly and O-ring on-site and retested. 91 spill bucket passed during retest.
Violation Division:	Kings County Environmental Health
Violation Program:	UST
Violation Source:	CERS,
Site ID:	43986
Site Name:	Lemoore Crossings, LLC
Violation Date:	01-28-2021
Citation:	HSC 6.7 25284.2 - California Health and Safety Code, Chapter 6.7, Section(s) 25284.2
Violation Description:	"Failure to meet one or more of the following requirements: Install or maintain a liquid-tight spill container. Have a minimum capacity of five gallons. Have a functional drain valve or other method for the removal of liquid from the spill container. Be resistant to galvanic corrosion. Perform a tightness test at installation, every 12 months thereafter, or within 30 days after a repair to the spill container. Tested using applicable manufacturer guidelines, industry codes, engineering standards, or a method approved by a professional engineer. Tested by a certified UST service technician. Maintain records of spill containment testing for 36 months. "
Violation Notes:	Returned to compliance on 03/27/2021. During the site inspection, the 87 spill bucket failed initial test. Technician discovered drain assembly and O-ring were damaged. Technician replaced drain assembly and O-ring on-site and retested. The 87 spill bucket passed during retest. Violation corrected on-site.
Violation Division:	Kings County Environmental Health
Violation Program:	UST
Violation Source:	CERS,
Site ID:	43986
Site Name:	Lemoore Crossings, LLC
Violation Date:	01-06-2022
Citation:	HSC 6.7 25290.2(c) - California Health and Safety Code, Chapter 6.7, Section(s) 25290.2(c)
Violation Description:	Failure to maintain secondary containment (e.g., failure of secondary containment testing).
Violation Notes:	Smart sensor S4 has been in alarm for the past 12 months. This sensor monitors vacuum on the manifolded ’87 tank fill and turbine sumps.
Violation Division:	Kings County Environmental Health
Violation Program:	UST
Violation Source:	CERS,
Site ID:	43986

LEMOORE CROSSINGS, LLC (Continued) **S121785690**

Site Name:	Lemoore Crossings, LLC
Violation Date:	01-06-2022
Citation:	HSC 6.7 25290.2(c) - California Health and Safety Code, Chapter 6.7, Section(s) 25290.2(c)
Violation Description:	Failure to maintain secondary containment (e.g., failure of secondary containment testing).
Violation Notes:	Smart sensor S3 has been in alarm for the past 12 months. This sensor monitors vacuum on the '87 tank vent and vapor return lines.
Violation Division:	Kings County Environmental Health
Violation Program:	UST
Violation Source:	CERS,
Site ID:	43986
Site Name:	Lemoore Crossings, LLC
Violation Date:	02-25-2014
Citation:	HSC 6.7 Multiple Sections - California Health and Safety Code, Chapter 6.7, Section(s) Multiple Sections
Violation Description:	UST Program - Administration/Documentation - General
Violation Notes:	Returned to compliance on 03/22/2014. Please create an account on the CERS website to input the facility's tank information. Should you need assistance, please feel free to contact our Department.
Violation Division:	Kings County Environmental Health
Violation Program:	UST
Violation Source:	CERS,
Site ID:	43986
Site Name:	Lemoore Crossings, LLC
Violation Date:	01-02-2020
Citation:	HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Description:	Failure to annually review and electronically certify that the business plan is complete and accurate on or before the annual due date.
Violation Notes:	Returned to compliance on 01/08/2020. The hazardous materials business plan information filed on CERS is due annually for this facility by the end of July. The facility is required to file all elements of the program onto CERS by then. Failure to comply with this requirement is subject to $500.00 per day penalty fees. The last CERS filing for this facility was April 9, 2018. However that filing did not include all required program elements as the UST program information was not included. The last UST program information was filed on March 8, 2017. You are hereby notified to update or re-certify the CERS business information by no later than January 31, 2019. The department will assess the business owner a penalty fee for the existing violation within the next 60 days for violation of this requirement.
Violation Division:	Kings County Environmental Health
Violation Program:	HMRRP
Violation Source:	CERS,
Site ID:	43986
Site Name:	Lemoore Crossings, LLC
Violation Date:	01-07-2019
Citation:	23 CCR 16 2641(j) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2641(j)
Violation Description:	Failure of the leak detection equipment to be installed, calibrated, operated, and/or maintained properly.
Violation Notes:	Returned to compliance on 12/28/2019. Per UST monitoring system

LEMOORE CROSSINGS, LLC (Continued) **S121785690**

certification report, S9 (91 sump Fill-STP) was in alarm upon technician's arrival. Technician was unable to clear vacuum to S9 due to interstitial failed to hold vacuum. Based on the alarm history and designated operator reports, S9 alarm has been in alarm since February 23,2018. Ensure this is corrected within 90 days.

Violation Division: Kings County Environmental Health
Violation Program: UST
Violation Source: CERS,

Site ID: 43986
Site Name: Lemoore Crossings, LLC
Violation Date: 01-07-2019
Citation: 23 CCR 16 2641(j) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2641(j)
Violation Description: Failure of the leak detection equipment to be installed, calibrated, operated, and/or maintained properly.
Violation Notes: Returned to compliance on 12/30/2019. Per UST monitoring system certification report, S1 (87 annular) was tested; however, the technician was unable to restore vacuum to S1. Ensure this is corrected within 90 days.
Violation Division: Kings County Environmental Health
Violation Program: UST
Violation Source: CERS,

Site ID: 43986
Site Name: Lemoore Crossings, LLC
Violation Date: 01-07-2019
Citation: 23 CCR 16 2641(j) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2641(j)
Violation Description: Failure of the leak detection equipment to be installed, calibrated, operated, and/or maintained properly.
Violation Notes: Returned to compliance on 01/08/2020. Per UST monitoring system certification report, S3 (87 vapor vent-sump) was in alarm upon technician's arrival. Technician was unable to clear vacuum to S3 due to interstitial failed to hold vacuum. Based on the alarm history and designated operator reports, S3 alarm has been in alarm since February 23,2018. Ensure this is corrected within 90 days.
Violation Division: Kings County Environmental Health
Violation Program: UST
Violation Source: CERS,

Site ID: 43986
Site Name: Lemoore Crossings, LLC
Violation Date: 01-06-2022
Citation: 23 CCR 16 2712 - California Code of Regulations, Title 23, Chapter 16, Section(s) 2712
Violation Description: Failure to comply with any of the applicable requirements of the permit issued for the operation of the UST system.
Violation Notes: Smart sensor S9 was in alarm today upon arrival. S9 monitors the '91 STP and fill sump.
Violation Division: Kings County Environmental Health
Violation Program: UST
Violation Source: CERS,

Site ID: 43986
Site Name: Lemoore Crossings, LLC
Violation Date: 03-01-2017

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Citation:	HSC 6.95 Multiple - California Health and Safety Code, Chapter 6.95, Section(s) Multiple
Violation Description:	Business Plan Program - Administration/Documentation - General
Violation Notes:	Returned to compliance on 03/08/2017. Original Violation stated was "Revisions to the HMBP submitted due to substantial changes in the handler's operations" - Changed the violation description to comply with current Cal EPA violation library. 10/13/2017 The facility now stores sixteen 5-gallon propane tanks in a cage along the front left-side of the store. This material must be included on the chemical listing as well as the submittal of a new site plan to show the storage locaton.
Violation Division:	Kings County Environmental Health
Violation Program:	HMRRP
Violation Source:	CERS,
Site ID:	43986
Site Name:	Lemoore Crossings, LLC
Violation Date:	01-20-2016
Citation:	23 CCR 16 2665 - California Code of Regulations, Title 23, Chapter 16, Section(s) 2665
Violation Description:	Failure of the spill bucket to have a minimum capacity of five gallons.
Violation Notes:	Returned to compliance on 01/20/2016. The 91 spill bucket failed. Please repair to function and retest it to verify the repair.
Violation Division:	Kings County Environmental Health
Violation Program:	UST
Violation Source:	CERS,
Site ID:	43986
Site Name:	Lemoore Crossings, LLC
Violation Date:	03-01-2017
Citation:	23 CCR 16 2665 - California Code of Regulations, Title 23, Chapter 16, Section(s) 2665
Violation Description:	Failure of the overfill prevention system to meet one of the following requirements: Alert the transfer operator when the tank is 90 percent full by restricting the flow into the tank or triggering an audible and visual alarm; or Restrict delivery of flow to the tank at least 30 minutes before the tank overfills, provided the restriction occurs when the tank is filled to no more than 95 percent of capacity; and activate an audible alarm at least five minutes before the tank overfills; or Provide positive shut-off of flow to the tank when the tank is filled to no more than 95 percent of capacity; or Provide positive shut-off of flow to the tank so that none of the fittings located on the top of the tank are exposed to product due to overfilling.
Violation Notes:	Returned to compliance on 04/10/2017. The exterior over fill audio/visual alarm did not function when an overfill simulation test was performed for the 87 grade tank.
Violation Division:	Kings County Environmental Health
Violation Program:	UST
Violation Source:	CERS,
Site ID:	43986
Site Name:	Lemoore Crossings, LLC
Violation Date:	01-28-2021
Citation:	23 CCR 16 2641(j) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2641(j)

LEMOORE CROSSINGS, LLC (Continued) **S121785690**

Violation Description:	Failure of the leak detection equipment to be installed, calibrated, operated, and/or maintained properly.
Violation Notes:	S3 (87 vapor vent-sump) was in alarm upon technician's arrival. The technician was unable to clear vacuum on S3. Based on the alarm history and designated operator reports, S3 has been in alarm on multiple monthly D.O inspection reports from January of 2020-present. Provide a corrective action plan within 30 days to ensure proper steps are being taken to resolve this issue. 1-27-2022 TH: As of 1-6-2022 this issue is ongoing and is noted on the the current inspection report. The previous inspector has separated from county employment at this time. The current inspector is working with the operator to resolve the issue.
Violation Division:	Kings County Environmental Health
Violation Program:	UST
Violation Source:	CERS,
Site ID:	43986
Site Name:	Lemoore Crossings, LLC
Violation Date:	01-06-2022
Citation:	23 CCR 16 2712 - California Code of Regulations, Title 23, Chapter 16, Section(s) 2712
Violation Description:	Failure to comply with any of the applicable requirements of the permit issued for the operation of the UST system.
Violation Notes:	Returned to compliance on 01/06/2022. Water was present in the '91 grade fill sump. Water was removed by the technician.
Violation Division:	Kings County Environmental Health
Violation Program:	UST
Violation Source:	CERS,
Site ID:	43986
Site Name:	Lemoore Crossings, LLC
Violation Date:	01-02-2020
Citation:	HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Description:	Failure to complete and electronically submit a site map with all required content.
Violation Notes:	Returned to compliance on 01/09/2020. The existing hazardous materials site map for this facility
Violation Division:	Kings County Environmental Health
Violation Program:	HMRRP
Violation Source:	CERS,
Site ID:	43986
Site Name:	Lemoore Crossings, LLC
Violation Date:	03-01-2017
Citation:	23 CCR 16 2715(i) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2715(i)
Violation Description:	Failure to have a properly qualified service technician test leak detection equipment as required every 12 months (vapor, pressure, hydrostatic (VPH) system, sensors, line-leak detectors (LLD), automatic tank gauge (ATG), etc.).
Violation Notes:	Returned to compliance on 03/01/2017. Annual monitoring certification testing has not been performed by the due date for the last few years. It shall be noted that the annual test date for this facility is June. The test date for this facility will be moved forward by a few months every year until such time as the testing is returned to June. Next year the test will be January 2018 followed by October 2019, August

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2020, and June 2021.
Violation Division: Kings County Environmental Health
Violation Program: UST
Violation Source: CERS,

Site ID: 43986
Site Name: Lemoore Crossings, LLC
Violation Date: 01-06-2022
Citation: HSC 6.7 25284.2 - California Health and Safety Code, Chapter 6.7, Section(s) 25284.2
Violation Description: "Failure to meet one or more of the following requirements: Install or maintain a liquid-tight spill container. Have a minimum capacity of five gallons. Have a functional drain valve or other method for the removal of liquid from the spill container. Be resistant to galvanic corrosion. Perform a tightness test at installation, every 12 months thereafter, or within 30 days after a repair to the spill container. Tested using applicable manufacturer guidelines, industry codes, engineering standards, or a method approved by a professional engineer. Tested by a certified UST service technician. Maintain records of spill containment testing for 36 months. "
Violation Notes: Returned to compliance on 01/06/2022. The ’87 grade overspill bucket failed initial testing due to a gasket leak. The gasket was replaced and passed follow-up hydrostatic testing.
Violation Division: Kings County Environmental Health
Violation Program: UST
Violation Source: CERS,

Site ID: 43986
Site Name: Lemoore Crossings, LLC
Violation Date: 03-01-2017
Citation: 23 CCR 16 2665 - California Code of Regulations, Title 23, Chapter 16, Section(s) 2665
Violation Description: Failure of the overfill prevention system to meet one of the following requirements: Alert the transfer operator when the tank is 90 percent full by restricting the flow into the tank or triggering an audible and visual alarm; or Restrict delivery of flow to the tank at least 30 minutes before the tank overfills, provided the restriction occurs when the tank is filled to no more than 95 percent of capacity; and activate an audible alarm at least five minutes before the tank overfills; or Provide positive shut-off of flow to the tank when the tank is filled to no more than 95 percent of capacity; or Provide positive shut-off of flow to the tank so that none of the fittings located on the top of the tank are exposed to product due to overfilling.
Violation Notes: Returned to compliance on 04/10/2017. The exterior over fill audio/visual alarm did not function when an overfill simulation test was performed for the diesel tank.
Violation Division: Kings County Environmental Health
Violation Program: UST
Violation Source: CERS,

Evaluation:
Eval General Type: Compliance Evaluation Inspection
Eval Date: 01-06-2022
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Annual UST monitoring Certification testing was performed today by Kao

LEMOORE CROSSINGS, LLC (Continued) **S121785690**

Chang w/ Banks & Co. The following observations were made: 1. All three turbine sumps as well as the four UDC's were observed in dry condition. 2. All three Veeder Root 208 sensors located in each tank turbine sump engaged turbine pump shut-down during hydro-testing. 3. Each of the four dispenser pan VR 208 sensors engaged tank turbine pump shut-down of all products supplied to those dispensers. Of note, dispensers 1/2 and 5/6 only dispense gasoline products while 3/4 and 7/8 also dispense diesel fuel. 4. Both gasoline product tank fill sump VR 208 sensors activated VR TLS 350 monitoring panel A/V alarms. The diesel fill sump VR 208 sensor required replacement and passed testing after re-installation. 5. The tank vent box VR 208 sensor registered a monitoring panel A/V alarm upon testing. 6. With the exception of S3, S4, S9 and S12, all other secondary containment smart sensors activated A/V [Truncated]

Eval Division: Kings County Environmental Health
Eval Program: UST
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 03-01-2017
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Annual UST monitoring Certification testing was performed today by Mark Anderson and Randy Allen w/ Banks & Co. The following observations were made: 1. All four UDC's were observed in dry condition. Veeder Root 208 sensors in dispenser pans 5/6 and 7/8 engaged all product supply shut-off. 2. All turbine sumps were in dry condition along with fill sumps with the exception of the 91 product fill sump. 3. All three Veeder-Root PLLD electronic line leak detectors passed 3.0 GPH line leak detection testing and shut-down turbines during leak threshold simulation testing. 4. The vent box VR 208 sensor activated a monitoring panel A/V alarm. 5. Fail Safe and sensor out was performed and deactivated the UST operational system when tested. 6. The facility's emergency stop button inactivated all dispensers and shut-down turbines when tested. 7. Monthly D.O. inspection reports are being documented and properly completed. Make all required repairs within the next 30 days [Truncated]

Eval Division: Kings County Environmental Health
Eval Program: UST
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 01-02-2020
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Annual UST monitoring Certification testing was performed today by Robert Jacobo w/ Banks & Co. The following observations were made: 1. All turbine sumps, fill sumps, and the four UDC's were observed in dry condition. 2. Each Veeder Root 208 sensor located in each of the four dispenser pans engaged fuel tank shut-off of each product supplied to a dispenser. Note: Only dispensers 3/4 and 7/8 provide diesel fuel supply in additional to gasoline grades. 3. Secondary containment vacuum loss testing triggered monitoring panel A/V alarms for product supply, vent and vapor lines along with the vent box with the sole exception of S-3 which has been in no vacuum alarm for a year. This sensor is programmed to continuously monitor the '87 vapor return secondary containment pipe along with the tank vent line. 4. All

LEMOORE CROSSINGS, LLC (Continued) **S121785690**

overspill buckets passed 1.0 hr. hydro-testing. 5. All three Veeder-Root PLLD electronic line leak detectors passed 3.0 GPH line leak detection testing and [Truncated]

Eval Division: Kings County Environmental Health
Eval Program: UST
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 01-28-2021
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: An annual monitor certification was conducted today by Kao Chang from Banks & CO. During the annual monitor certification, all release detection devices (i.e., sump sensors, interstitial sensors, udc sensors, line leak detectors, etc) associated with the system were checked. -All tank sumps, udc dispensers and vent box were free of debris. UST system was observed to be in fairly good condition. -Overfill alarms in each tank were properly set at 90% of each tank capacity. -Spill buckets passed the 5-gallon hydrostatic testing. -LLD passed the 3.0 gph leak detection testing. -Other than the five sensors noted above, the remaining sensors performed satisfactorily. -Monthly designated operator reports and annual employee training are up-to-date. -Other Comments: In response to the COVID-19 pandemic, please implement the State (CDPH) guidelines (i.e., maintain a physical distance of 6 feet between individuals, use EPA-approved disinfectants, etc.) with your In order [Truncated]

Eval Division: Kings County Environmental Health
Eval Program: UST
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 02-20-2019
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Today's site inspection is to conduct the annual inspection of the UST monitoring system. The UST annual monitoring system was performed on January 7, 2019 by Mark Anderson with Banks and Co. The following were noted: -Our Department has received test results of the annual monitoring certification. -Spill buckets passed the 5 gal hydrostatic testing. -LLD passed the 3.0 gph leak detection testing. -Other than the four sensors noted above, the remaining sensors performed satisfactorily. -Several violations were noted on the report. Please ensure these items are corrected within 90 days. -Monthly designated operator reports and annual employee training are up-to-date. As a reminder, the UST permit will be expired on July 23, 2019. Please ensure the UST portion in CERS is updated and submitted at least 30 days prior to the permit expiration date to allow our office time to process the new permit.

Eval Division: Kings County Environmental Health
Eval Program: UST
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 02-25-2014
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: The facility's inventory was up to date and employee training was

LEMOORE CROSSINGS, LLC (Continued) **S121785690**

observed current. However, this facility needs to create a CERS account and input all the facility's information in CERS. Should assistance be needed, please feel free to contact our Department.

Eval Division: Kings County Environmental Health
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 06-13-2022
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Today's inspection is a follow-up primary line test of the two identified failed components from June 10th. Both the '87 vapor return line and '87 vent line inside the vent box were retested with soap and observed passing. The pressure gauge was observed at 52 PSI and said to be holding pressure since Saturday, June 11th. All primary piping has passed the soap test. Adam Taylor with Precision Environmental has scheduled the secondary vent line testing for Tuesday, June 14, 2022 at 1:00pm. Please contact our office if you need to cancel or to reschedule the appointment. A copy of this report will be sent to the operator and Adam Taylor for record keeping. Reach out to our department by calling 559-584-1411 if you have any questions. Thank you!

Eval Division: Kings County Environmental Health
Eval Program: UST
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 01-02-2020
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Not reported

Eval Division: Kings County Environmental Health
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 03-01-2017
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: A CERS facility submittal recently submitted to our office on 2/28/2017. However, prior to this submittal, no update or re-certification of information had been submitted to this Department as of Feb. 28, 2014. It shall be noted that your facility informational update on CERS is due annually by no later than Aug. 1. Update CERS as required within the nex 30 days.

Eval Division: Kings County Environmental Health
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 05-17-2022
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: The facility UST operation is currently out of service at this time due to repair work being performed on the secondary containment system due to multiple failures that have been consistent for no less then

LEMOORE CROSSINGS, LLC (Continued) **S121785690**

two years. Repair work is being performed by Adam Taylor of Precision Environmental of Tulare CA. The tank tops are exposed at this time along with product supply lines and vapor return lines between the tanks and the first connected dispensers.

Eval Division: Kings County Environmental Health
Eval Program: UST
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 06-14-2022
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Today's inspection was to conduct a secondary line inspection test for the vapor return lines. The secondary piping connections passed the soap test and no leaks were observed. Gauges were observed holding vacuum between 4.5" and 5.0" and were said to be under vacuum for over 24 hours. Adam Taylor with Precision Environmental Services has scheduled a hydro test for the turbine and fill sumps on Friday, June 17, 2022 at 1:00PM. Contact our office if you need to reschedule this inspection or if you have any questions.

Eval Division: Kings County Environmental Health
Eval Program: UST
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 01-20-2016
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Randy Allen and Mark Anderson with Banks & Co. were onsite today to perform an annual certification of the leak monitoring system. Line leak detectors, leak monitoring sensors, and spill buckets were tested. The electronic line leak detectors (3) were tested and functioned properly. STP sensors for the diesel and 87 provided positive shut-off. The dispenser sensors (4) also provided positive shut-off. The fill sump sensors (3), vent sump sensor (1), and all vacuum sensors (12 functioned properly. The S5 sensor and S1 need to be reprogrammed on the monitoring system; currently S5 states it is the annular sensor for 91 but it is actually the annular sensor for 87. Overfill (3) provided audio visual alarm. Fail safe and sensor out were tested and functioned properly. The designated operator log was reviewed and noted to be maintained. Employee training was noted up-to-date. Please forward copies of all test reports to our office within 30 days.

Eval Division: Kings County Environmental Health
Eval Program: UST
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 01-28-2015
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Annual monitoring certification testing was performed today of the UST system by Randy Allen with Banks and Company. The following was noted: 1. All programmed liquid and smart sensors were checked today and determined to properly engage the TLS 350 Plus monitoring panel. 2. With the exception of a small amount of water in both the 91 and diesel turbine sump sensors, all other turbine sumps, fill sumps, and

LEMOORE CROSSINGS, LLC (Continued) **S121785690**

UDC pans were observed in dry condition. 3. Both turbine sump and UDC liquid sensors deactivated respective product supply turbines when engaged. 4. Annular vacuum for both was functional (87 and 91/diesel). 5. All three electronic line leak detectors properly functioned upon testing and shutdown each turbine when a 3.0 GPH leak rate was simulated. 6. Fail safe and sensor out were tested and shut down the UST monitoring panel power and turbine sumps as required. 7. Monthly D.O. inspections are being performed and maintained. Submit a copy of today's inspection [Truncated]

Eval Division: Kings County Environmental Health
Eval Program: UST
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 02-23-2018
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Annual UST monitoring Certification testing was performed today by Mark Anderson w/ Banks & Co. The following observations were made: 1. All four UDC's were observed in dry condition. Veeder Root 208 sensors in all four dispenser pans engaged all product supply shut-off. 2. All turbine and fill sumps were in dry condition. Turbine sump VR208 sensors shut-down respective tank turbines upon hydro-testing. 3. Each UDC dispenser VR 208 sensor engaged all tank turbine shut-down for supplied products to those dispensers. 4. Secondary containment vacuum loss testing triggered monitoring panel A/V alarms for product supply, vent and vapor lines along with the vent box. 4. All overspill buckets passed 1.0 hr. hydro-testing. 5. All three Veeder-Root PLLD electronic line leak detectors passed 3.0 GPH line leak detection testing and shut-down turbines during leak threshold simulation testing. 6. The vent box VR 208 sensor activated a monitoring panel A/V alarm. 7. Fail Safe [Truncated]

Eval Division: Kings County Environmental Health
Eval Program: UST
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 02-25-2014
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Charles Allen (ICC# 8022806 exp. 3-25-15) and Mark from Banks & Co. were on site to perform an annual certification of the leak monitoring system. Typically, the annual monitoring certification must be completed in July; however, the monitoring certification was not performed in July 2013 due to repairs needed to be made to the system. A grant was received and just recently were the required repairs made. As a result, any future monitoring certifications are to be done every February. The electronic line leak detectors (3) functioned properly. STP sensors (3) and dispenser sensors (4) provided positive shut-off. ...(see pdf on file for full comments)

Eval Division: Kings County Environmental Health
Eval Program: UST
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 06-10-2022
Violations Found: No

LEMOORE CROSSINGS, LLC (Continued) **S121785690**

Eval Type: Other, not routine, done by local agency
Eval Notes: Adam Taylor with Precision Environmental Services was on site to conduct a primary line inspection test for the vapor return lines and tank sumps that were replaced to address issues with secondary containment components loosing vacuum. Every fill and turbine sump was observed under vacuum between 25" and 30". These were installed on Wednesday, June 8th. The vapor return lines that were holding pressure were observed between 50 and 60 PSI, except for the one that failed the soap test: 1) A leak was detected at the connection of the vapor return line and the wall of UDC 1/2. Attempts to reseal the line and retest it will be made, and a tentative retest date has been set for Monday, June 13th at 1:00PM. Additional work outside the UDC will be required if the primary line continues to fail. This additional work will require a permit addendum authorization to make the needed repairs. 2) A leak was also detected at the end of the '87 vent line inside the vent box. No [Truncated]
Eval Division: Kings County Environmental Health
Eval Program: UST
Eval Source: CERS,

Enforcement Action:
Site ID: 43986
Site Name: Lemoore Crossings, LLC
Site Address: 1225 SIERRA CIR
Site City: LEMOORE
Site Zip: 93245
Enf Action Date: 01-02-2020
Enf Action Type: Notice of Violation (Unified Program)
Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes: Not reported
Enf Action Division: Kings County Environmental Health
Enf Action Program: HMRRP
Enf Action Source: CERS,

Site ID: 43986
Site Name: Lemoore Crossings, LLC
Site Address: 1225 SIERRA CIR
Site City: LEMOORE
Site Zip: 93245
Enf Action Date: 01-02-2020
Enf Action Type: Notice of Violation (Unified Program)
Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes: Not reported
Enf Action Division: Kings County Environmental Health
Enf Action Program: UST
Enf Action Source: CERS,

Site ID: 43986
Site Name: Lemoore Crossings, LLC
Site Address: 1225 SIERRA CIR
Site City: LEMOORE
Site Zip: 93245
Enf Action Date: 01-06-2022
Enf Action Type: Notice of Violation (Unified Program)
Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes: Not reported
Enf Action Division: Kings County Environmental Health

LEMOORE CROSSINGS, LLC (Continued) **S121785690**

Enf Action Program: UST
Enf Action Source: CERS,

Site ID: 43986
Site Name: Lemoore Crossings, LLC
Site Address: 1225 SIERRA CIR
Site City: LEMOORE
Site Zip: 93245
Enf Action Date: 01-20-2016
Enf Action Type: Notice of Violation (Unified Program)
Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes: Not reported
Enf Action Division: Kings County Environmental Health
Enf Action Program: UST
Enf Action Source: CERS,

Site ID: 43986
Site Name: Lemoore Crossings, LLC
Site Address: 1225 SIERRA CIR
Site City: LEMOORE
Site Zip: 93245
Enf Action Date: 01-28-2021
Enf Action Type: Notice of Violation (Unified Program)
Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes: Not reported
Enf Action Division: Kings County Environmental Health
Enf Action Program: UST
Enf Action Source: CERS,

Site ID: 43986
Site Name: Lemoore Crossings, LLC
Site Address: 1225 SIERRA CIR
Site City: LEMOORE
Site Zip: 93245
Enf Action Date: 02-20-2019
Enf Action Type: Notice of Violation (Unified Program)
Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes: Not reported
Enf Action Division: Kings County Environmental Health
Enf Action Program: UST
Enf Action Source: CERS,

Site ID: 43986
Site Name: Lemoore Crossings, LLC
Site Address: 1225 SIERRA CIR
Site City: LEMOORE
Site Zip: 93245
Enf Action Date: 02-25-2014
Enf Action Type: Notice of Violation (Unified Program)
Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes: Not reported
Enf Action Division: Kings County Environmental Health
Enf Action Program: UST
Enf Action Source: CERS,

Site ID: 43986
Site Name: Lemoore Crossings, LLC

LEMOORE CROSSINGS, LLC (Continued) **S121785690**

Site Address:	1225 SIERRA CIR
Site City:	LEMOORE
Site Zip:	93245
Enf Action Date:	03-01-2017
Enf Action Type:	Notice of Violation (Unified Program)
Enf Action Description:	Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes:	Not reported
Enf Action Division:	Kings County Environmental Health
Enf Action Program:	HMRRP
Enf Action Source:	CERS,

Site ID:	43986
Site Name:	Lemoore Crossings, LLC
Site Address:	1225 SIERRA CIR
Site City:	LEMOORE
Site Zip:	93245
Enf Action Date:	03-01-2017
Enf Action Type:	Notice of Violation (Unified Program)
Enf Action Description:	Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes:	Not reported
Enf Action Division:	Kings County Environmental Health
Enf Action Program:	UST
Enf Action Source:	CERS,

Affiliation:

Affiliation Type Desc:	CUPA District
Entity Name:	Kings County Env Health
Entity Title:	Not reported
Affiliation Address:	330 Campus Drive
Affiliation City:	Hanford
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	93230
Affiliation Phone:	(559) 584-1411,

Affiliation Type Desc:	Document Preparer
Entity Name:	amar mowji
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	,

Affiliation Type Desc:	Facility Mailing Address
Entity Name:	Mailing Address
Entity Title:	Not reported
Affiliation Address:	10752 Rockhurst Ave
Affiliation City:	North Tustin
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	92705
Affiliation Phone:	,

Affiliation Type Desc:	Identification Signer
Entity Name:	Amar Mowji

LEMOORE CROSSINGS, LLC (Continued) **S121785690**

Entity Title:	mg mbr
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	,
Affiliation Type Desc:	UST Permit Applicant
Entity Name:	Amar Mowji
Entity Title:	mg mbr
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	(714) 325-7056,
Affiliation Type Desc:	UST Tank Owner
Entity Name:	Pankaj & Daksha 2010 Trust
Entity Title:	Not reported
Affiliation Address:	10752 rockhurst ave
Affiliation City:	North Tustin
Affiliation State:	Ca
Affiliation Country:	United States
Affiliation Zip:	92705
Affiliation Phone:	(714) 325-7506,
Affiliation Type Desc:	Legal Owner
Entity Name:	Pankaj Mowji
Entity Title:	Not reported
Affiliation Address:	10752 rockhurst ave
Affiliation City:	North Tustin
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	92705
Affiliation Phone:	(714) 544-6326,
Affiliation Type Desc:	Parent Corporation
Entity Name:	Lemoore Crossings
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	,
Affiliation Type Desc:	UST Tank Operator
Entity Name:	Lemoore Crossings
Entity Title:	Not reported
Affiliation Address:	10752 Rockhurst Ave
Affiliation City:	North Tustin
Affiliation State:	Ca
Affiliation Country:	United States
Affiliation Zip:	92705
Affiliation Phone:	(949) 466-3556,

LEMOORE CROSSINGS, LLC (Continued) **S121785690**

Affiliation Type Desc:	Environmental Contact
Entity Name:	Amar Mowji
Entity Title:	Not reported
Affiliation Address:	10752 Rockhurst Ave
Affiliation City:	North Tustin
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	92705
Affiliation Phone:	,

Affiliation Type Desc:	Operator
Entity Name:	Amar Mowji
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	(714) 325-7056,

Affiliation Type Desc:	Property Owner
Entity Name:	Pankaj Mowji
Entity Title:	Not reported
Affiliation Address:	10752 rockhurst ave
Affiliation City:	North Tustin
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	92705
Affiliation Phone:	(714) 544-6326,

Affiliation Type Desc:	UST Property Owner Name
Entity Name:	Lemoore Crossings
Entity Title:	Not reported
Affiliation Address:	10752 Rockhurst Ave
Affiliation City:	North Tustin
Affiliation State:	Ca
Affiliation Country:	United States
Affiliation Zip:	92705
Affiliation Phone:	(714) 325-7056,

A11 **LEMOORE CROSSINGS FOODMART & GAS** **UST** **U004352487**
West **1225 SIERRA CIRCLE** **N/A**
< 1/8 **LEMOORE, CA 93245**
0.045 mi.
238 ft. **Site 6 of 6 in cluster A**

Relative: UST:
Higher

Actual: Name:	LEMOORE CROSSINGS FOODMART & GAS
222 ft. Address:	1225 SIERRA CIRCLE
City,State,Zip:	LEMOORE, CA 93245
Facility ID:	FA0003172
Permitting Agency:	KINGS COUNTY
CERSID:	Not reported
Latitude:	36.285602
Longitude:	-119.798053
Owner type:	Not reported
Facility type:	Not reported

LEMOORE CROSSINGS FOODMART & GAS (Continued) **U004352487**

Num of inuse ust:	Not reported
Num of closed ust:	Not reported
Num of oos ust:	Not reported
Epa region:	Not reported
Tribal lands:	Not reported
Tank owner name:	Not reported
Tank owner mailing address:	Not reported
Tank owner mailing city:	Not reported
Tank owner mailing zip:	Not reported
Tank owner mailing state:	Not reported
Tank operator name:	Not reported
Tank operator mailing address:	Not reported
Tank operator mailing city:	Not reported
Tank operator mailing zip:	Not reported
Tank operator mailing state:	Not reported
Tankidnumber:	Not reported
Tank status:	Not reported
Tank configuration:	Not reported
Tank closure date:	Not reported
Tank installation date:	Not reported
Tank num of compartments:	Not reported
Tank contents:	Not reported
Tank capacity gallons:	Not reported
Tank type:	Not reported
Tank pc construction:	Not reported
Tank pwpiping construction:	Not reported
Tank piping type:	Not reported
Tank piping construction:	Not reported
Tank sacrificial anode:	Not reported
Tank cp impressed current:	Not reported
Tank cp shutoff:	Not reported
Tank alarms:	Not reported
Tank ball float:	Not reported
Tank spill bucket:	Not reported

C12 **LEMOORE SERVICE CENTER** **RCRA-LQG** **1000197371**
SSW **980 19TH AVE** **FINDS** **CAD980886980**
< 1/8 **LEMOORE, CA 93245** **ECHO**
0.081 mi.
426 ft. **Site 1 of 7 in cluster C**

Relative: RCRA Listings:
Lower

Date Form Received by Agency:		20211215
Handler Name:	LEMOORE SERVICE CENTER	
Handler Address:		980 19TH AVE
Handler City,State,Zip:		LEMOORE, CA 93245
EPA ID:		CAD980886980
Contact Name:		ANNA FEEHAN
Contact Address:		PO BOX 7640
Contact City,State,Zip:		SAN FRANCISCO, CA 94120
Contact Telephone:		925-597-7321
Contact Fax:		Not reported
Contact Email:		AMGL@PGE.COM
Contact Title:		SENIOR TECHNICAL ASSISTANT
EPA Region:		09
Land Type:		Private
Federal Waste Generator Description:		Large Quantity Generator
Non-Notifier:		Not reported

Actual:
221 ft.

LEMOORE SERVICE CENTER (Continued) **1000197371**

Biennial Report Cycle:	Not reported
Accessibility:	Not reported
Active Site Indicator:	Handler Activities
State District Owner:	Not reported
State District:	Not reported
Mailing Address:	PO BOX 7640
Mailing City,State,Zip:	SAN FRANCISCO, CA 94120
Owner Name:	PACIFIC GAS & ELECTRIC COMPANY
Owner Type:	Private
Operator Name:	PACIFIC GAS & ELECTRIC COMPANY
Operator Type:	Private
Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	No
Universal Waste Destination Facility:	No
Federal Universal Waste:	No
Active Site Fed-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site Converter Treatment storage and Disposal Facility:	Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	N
Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported
Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No

LEMOORE SERVICE CENTER (Continued) **1000197371**

Financial Assurance Required:	Not reported
Handler Date of Last Change:	20211221
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Biennial: List of Years
Year: 2015

Click Here for Biennial Reporting System Data:

Hazardous Waste Summary:

Waste Code:	D000
Waste Description:	Not Defined
Waste Code:	D001
Waste Description:	IGNITABLE WASTE
Waste Code:	D002
Waste Description:	CORROSIVE WASTE
Waste Code:	D003
Waste Description:	REACTIVE WASTE
Waste Code:	D008
Waste Description:	LEAD
Waste Code:	D009
Waste Description:	MERCURY
Waste Code:	D018
Waste Description:	BENZENE

Handler - Owner Operator:

Owner/Operator Indicator:	Operator
Owner/Operator Name:	PACIFIC GAS & ELECTRIC COMPANY
Legal Status:	Private
Date Became Current:	19540101
Date Ended Current:	Not reported
Owner/Operator Address:	Not reported
Owner/Operator City,State,Zip:	Not reported
Owner/Operator Telephone:	Not reported
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported
Owner/Operator Indicator:	Owner
Owner/Operator Name:	P G AND E CO
Legal Status:	Private
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	77 BEALE ST

LEMOORE SERVICE CENTER (Continued) **1000197371**

Owner/Operator City,State,Zip: SAN FRANCISCO, CA 94105
Owner/Operator Telephone: 415-973-7095
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Operator
Owner/Operator Name: PACIFIC GAS & ELECTRIC COMPANY
Legal Status: Private
Date Became Current: 19540101
Date Ended Current: Not reported
Owner/Operator Address: PO BOX 7640
Owner/Operator City,State,Zip: SAN FRANCISCO, CA 94120
Owner/Operator Telephone: 925-597-7321
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: AMGL@PGE.COM

Owner/Operator Indicator: Operator
Owner/Operator Name: NOT REQUIRED
Legal Status: Private
Date Became Current: Not reported
Date Ended Current: Not reported
Owner/Operator Address: NOT REQUIRED
Owner/Operator City,State,Zip: NOT REQUIRED, ME 99999
Owner/Operator Telephone: 415-555-1212
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Owner
Owner/Operator Name: PACIFIC GAS & ELECTRIC COMPANY
Legal Status: Private
Date Became Current: 19540101
Date Ended Current: Not reported
Owner/Operator Address: PO BOX 7640
Owner/Operator City,State,Zip: SAN FRANCISCO, CA 94120
Owner/Operator Telephone: 925-597-7321
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: AMGL@PGE.COM

Owner/Operator Indicator: Owner
Owner/Operator Name: PACIFIC GAS & ELECTRIC COMPANY
Legal Status: Private
Date Became Current: 19540101
Date Ended Current: Not reported
Owner/Operator Address: 77 BEALE ST
Owner/Operator City,State,Zip: SAN FRANCISCO, CA 94105
Owner/Operator Telephone: 209-323-9617
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Historic Generators:
Receive Date: 20161003
Handler Name: LEMOORE SERVICE CENTER

LEMOORE SERVICE CENTER (Continued) **1000197371**

Federal Waste Generator Description: Not a generator, verified
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 19960901
Handler Name: P G AND E LEMOORE SERVICE CENTER
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 19980520
Handler Name: P G AND E LEMOORE SERVICE CENTER
Federal Waste Generator Description: Small Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 20211215
Handler Name: LEMOORE SERVICE CENTER
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: Yes
Non Storage Recycler Activity: No
Electronic Manifest Broker: No

Receive Date: 19900413
Handler Name: PG&E-LEMOORE
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No

LEMOORE SERVICE CENTER (Continued) **1000197371**

Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

List of NAICS Codes and Descriptions:
NAICS Code: 2211
NAICS Description: ELECTRIC POWER GENERATION, TRANSMISSION AND DISTRIBUTION

NAICS Code: 221122
NAICS Description: ELECTRIC POWER DISTRIBUTION

NAICS Code: 81131
NAICS Description: COMMERCIAL AND INDUSTRIAL MACHINERY AND EQUIPMENT (EXCEPT AUTOMOTIVE AND ELECTRONIC) REPAIR AND MAINTENANCE

Facility Has Received Notices of Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

FINDS:
Registry ID: 110002674259

Click Here for FRS Facility Detail Report:

Environmental Interest/Information System:
California Hazardous Waste Tracking System - Datamart (HWTS-DATAMART) provides California with information on hazardous waste shipments for generators, transporters, and treatment, storage, and disposal facilities.
RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.
HAZARDOUS WASTE BIENNIAL REPORTER

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

ECHO:
Envid: 1000197371
Registry ID: 110002674259
DFR URL: http://echo.epa.gov/detailed-facility-report?fid=110002674259
Name: LEMOORE SERVICE CENTER
Address: 980 19TH AVE
City,State,Zip: LEMOORE, CA 93245

C13 **LEMOORE AUXILIARY FIELD #4** **ENVIROSTOR** **S107736604**
SSW **AST** **N/A**
< 1/8 **LEMOORE, CA**
0.089 mi.
470 ft. **Site 2 of 7 in cluster C**

Relative:
Lower

Actual:
221 ft.

ENVIROSTOR:

Name:	LEMOORE AUXILIARY FIELD #4
Address:	Not reported
City,State,Zip:	LEMOORE, CA
Facility ID:	80000577
Status:	Inactive - Needs Evaluation
Status Date:	07/01/2005
Site Code:	Not reported
Site Type:	Military Evaluation
Site Type Detailed:	FUDS
Acres:	Not reported
NPL:	NO
Regulatory Agencies:	SMBRP
Lead Agency:	SMBRP
Program Manager:	Not reported
Supervisor:	Charles Ridenour
Division Branch:	Cleanup Sacramento
Assembly:	32
Senate:	14
Special Program:	Not reported
Restricted Use:	NO
Site Mgmt Req:	NONE SPECIFIED
Funding:	DERA
Latitude:	36.14194
Longitude:	-119.9494
APN:	NONE SPECIFIED
Past Use:	NONE SPECIFIED
Potential COC:	NONE SPECIFIED
Confirmed COC:	NONE SPECIFIED
Potential Description:	NONE SPECIFIED
Alias Name:	CA99799F577800
Alias Type:	Federal Facility ID
Alias Name:	SL0603111371
Alias Type:	GeoTracker Global ID
Alias Name:	T10000018624
Alias Type:	GeoTracker Global ID
Alias Name:	J09CA0848
Alias Type:	INPR
Alias Name:	80000577
Alias Type:	Envirostor ID Number

Completed Info:

Completed Area Name:	Not reported
Completed Sub Area Name:	Not reported
Completed Document Type:	Not reported
Completed Date:	Not reported
Comments:	Not reported
Future Area Name:	Not reported
Future Sub Area Name:	Not reported
Future Document Type:	Not reported
Future Due Date:	Not reported
Schedule Area Name:	Not reported
Schedule Sub Area Name:	Not reported

LEMOORE AUXILIARY FIELD #4 (Continued) **S107736604**

Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

AST:

Name:	LEMOORE
Address:	1000 SOUTH 19TH AVENUE
City/Zip:	LEMOORE,
Certified Unified Program Agencies:	Kings
Owner:	CEMEX
Total Gallons:	10,000
CERSID:	Not reported
Facility ID:	Not reported
Business Name:	Not reported
Phone:	Not reported
Fax:	Not reported
Mailing Address:	Not reported
Mailing Address City:	Not reported
Mailing Address State:	Not reported
Mailing Address Zip Code:	Not reported
Operator Name:	Not reported
Operator Phone:	Not reported
Owner Phone:	Not reported
Owner Mail Address:	Not reported
Owner State:	Not reported
Owner Zip Code:	Not reported
Owner Country:	Not reported
Property Owner Name:	Not reported
Property Owner Phone:	Not reported
Property Owner Mailing Address:	Not reported
Property Owner City:	Not reported
Property Owner Stat :	Not reported
Property Owner Zip Code:	Not reported
Property Owner Country:	Not reported
EPAID:	Not reported

C14 **CEMEX CONSTRUCTION MATERIALS PACIFIC LLC** **RCRA NonGen / NLR** **1024812955**
SSW **1000 S 19TH AVE** **CAL000301981**
< 1/8 **LEMOORE, CA 93245**
0.089 mi.
470 ft. **Site 3 of 7 in cluster C**

Relative: **Lower**
Actual: **221 ft.**

RCRA Listings:

Date Form Received by Agency:	20060105
Handler Name:	CEMEX CONSTRUCTION MATERIALS PACIFIC LLC
Handler Address:	1000 S 19TH AVE
Handler City,State,Zip:	LEMOORE, CA 93245
EPA ID:	CAL000301981
Contact Name:	PATRICIA CONTRERAS
Contact Address:	3990 CONCOURS, SUITE 200
Contact City,State,Zip:	ONTARIO, CA 91764
Contact Telephone:	909-974-5429
Contact Fax:	909-354-3611
Contact Email:	PATRICIA.CONTRERAS@CEMEX.COM
Contact Title:	Not reported
EPA Region:	09
Land Type:	Not reported

CEMEX CONSTRUCTION MATERIALS PACIFIC LLC (Continued) **1024812955**

Federal Waste Generator Description:		Not a generator, verified
Non-Notifier:		Not reported
Biennial Report Cycle:		Not reported
Accessibility:		Not reported
Active Site Indicator:		Handler Activities
State District Owner:		Not reported
State District:		Not reported
Mailing Address:		3990 CONCOURS STE 200
Mailing City,State,Zip:		ONTARIO, CA 91764-0000
Owner Name:	CEMEX CONSTRUCTION MAT PACIFIC LLC	
Owner Type:		Other
Operator Name:	PATRICIA CONTRERAS	
Operator Type:		Other
Short-Term Generator Activity:		No
Importer Activity:		No
Mixed Waste Generator:		No
Transporter Activity:		No
Transfer Facility Activity:		No
Recycler Activity with Storage:		No
Small Quantity On-Site Burner Exemption:		No
Smelting Melting and Refining Furnace Exemption:		No
Underground Injection Control:		No
Off-Site Waste Receipt:		No
Universal Waste Indicator:		Yes
Universal Waste Destination Facility:		Yes
Federal Universal Waste:		No
Active Site Fed-Reg Treatment Storage and Disposal Facility:		Not reported
Active Site Converter Treatment storage and Disposal Facility:		Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:		Not reported
Active Site State-Reg Handler:		---
Federal Facility Indicator:		Not reported
Hazardous Secondary Material Indicator:		N
Sub-Part K Indicator:		Not reported
Commercial TSD Indicator:		No
Treatment Storage and Disposal Type:		Not reported
2018 GPRA Permit Baseline:		Not on the Baseline
2018 GPRA Renewals Baseline:		Not on the Baseline
Permit Renewals Workload Universe:		Not reported
Permit Workload Universe:		Not reported
Permit Progress Universe:		Not reported
Post-Closure Workload Universe:		Not reported
Closure Workload Universe:		Not reported
202 GPRA Corrective Action Baseline:		No
Corrective Action Workload Universe:		No
Subject to Corrective Action Universe:		No
Non-TSDFs Where RCRA CA has Been Imposed Universe:		No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:		No
TSDFs Only Subject to CA under Discretionary Auth Universe:		No
Corrective Action Priority Ranking:		No NCAPS ranking
Environmental Control Indicator:		No
Institutional Control Indicator:		No
Human Exposure Controls Indicator:		N/A
Groundwater Controls Indicator:		N/A
Operating TSDF Universe:		Not reported
Full Enforcement Universe:		Not reported
Significant Non-Complier Universe:		No
Unaddressed Significant Non-Complier Universe:		No

CEMEX CONSTRUCTION MATERIALS PACIFIC LLC (Continued) **1024812955**

Addressed Significant Non-Complier Universe: No
Significant Non-Complier With a Compliance Schedule Universe: No
Financial Assurance Required: Not reported
Handler Date of Last Change: 20180905
Recognized Trader-Importer: No
Recognized Trader-Exporter: No
Importer of Spent Lead Acid Batteries: No
Exporter of Spent Lead Acid Batteries: No
Recycler Activity Without Storage: No
Manifest Broker: No
Sub-Part P Indicator: No

Handler - Owner Operator:
Owner/Operator Indicator: Operator
Owner/Operator Name: PATRICIA CONTRERAS
Legal Status: Other
Date Became Current: Not reported
Date Ended Current: Not reported
Owner/Operator Address: 3990 CONCOURS, SUITE 200
Owner/Operator City,State,Zip: ONTARIO, CA 91764
Owner/Operator Telephone: 909-974-5429
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Owner
Owner/Operator Name: CEMEX CONSTRUCTION MAT PACIFIC LLC
Legal Status: Other
Date Became Current: Not reported
Date Ended Current: Not reported
Owner/Operator Address: 3990 CONCOURS STE 200
Owner/Operator City,State,Zip: ONTARIO, CA 91764-0000
Owner/Operator Telephone: 909-974-5429
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Historic Generators:
Receive Date: 20060105
Handler Name: CEMEX CONSTRUCTION MATERIALS PACIFIC LLC
Federal Waste Generator Description: Not a generator, verified
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: Yes
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

List of NAICS Codes and Descriptions:
NAICS Code: 32732
NAICS Description: READY-MIX CONCRETE MANUFACTURING

CEMEX CONSTRUCTION MATERIALS PACIFIC LLC (Continued) **1024812955**

Facility Has Received Notices of Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

C15 **CEMEX CONSTRUCTION MATERIALS PACIFIC, LLC** **AST** **A100418595**
SSW **1000 S 19TH AVE** **N/A**
< 1/8 **LEMOORE, CA 93245**
0.089 mi.
470 ft. **Site 4 of 7 in cluster C**

Relative: AST:
Lower
Name: CEMEX CONSTRUCTION MATERIALS PACIFIC, LLC
Actual: Address: 1000 S 19TH AVE
221 ft. City/Zip: LEMOORE,93245
Certified Unified Program Agencies: Not reported
Owner: CEMEX CONSTRUCTION MATERIALS PACIFIC, LLC
Total Gallons: Not reported
CERSID: 10222582
Facility ID: FA0002876
Business Name: CEMEX Construction Materials Pacific, LLC
Phone: 559-925-8759
Fax: Not reported
Mailing Address: 1000 S. 19TH AVENUE
Mailing Address City: LEMOORE
Mailing Address State: CA
Mailing Address Zip Code: 93245
Operator Name: CEMEX CONSTRUCTION MATERIALS PACIFIC, LLC
Operator Phone: 909-974-5500
Owner Phone: 909-974-5500
Owner Mail Address: 3990 CONCOURS, SUITE 200
Owner State: CA
Owner Zip Code: 91764
Owner Country: United States
Property Owner Name: Cal Portland Cement Company
Property Owner Phone: 626852-6200
Property Owner Mailing Address: 2025 Financial Way
Property Owner City: Glendora
Property Owner Stat : CA
Property Owner Zip Code: 91741
Property Owner Country: United States
EPAID: CAL000301981

C16 **CEMEX LEMOORE PLANT** **CERS HAZ WASTE** **S121758975**
SSW **1000 S 19TH AVE** **CERS TANKS** **N/A**
< 1/8 **LEMOORE, CA 93245** **CERS**
0.089 mi.
470 ft. **Site 5 of 7 in cluster C**

Relative: CERS HAZ WASTE:
Lower
Name: CEMEX LEMOORE PLANT
Actual: Address: 1000 S 19TH AVE
221 ft. City,State,Zip: LEMOORE, CA 93245

CEMEX LEMOORE PLANT (Continued) **S121758975**

Site ID: 275234
CERS ID: 10222582
CERS Description: Hazardous Waste Generator

CERS TANKS:
Name: CEMEX LEMOORE PLANT
Address: 1000 S 19TH AVE
City,State,Zip: LEMOORE, CA 93245
Site ID: 275234
CERS ID: 10222582
CERS Description: Aboveground Petroleum Storage

CERS:
Name: CEMEX LEMOORE PLANT
Address: 1000 S 19TH AVE
City,State,Zip: LEMOORE, CA 93245
Site ID: 275234
CERS ID: 110025333529
CERS Description: US EPA Air Emission Inventory System (EIS)

Violations:
Site ID: 275234
Site Name: CEMEX LEMOORE PLANT
Violation Date: 04-23-2021
Citation: HSC 6.95 25508(a)(3) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(3)
Violation Description: Failure to establish and electronically submit an adequate emergency response plan and procedures for a release or threatened release of a hazardous material.
Violation Notes: Returned to compliance on 05/17/2021. In the emergency response contingency plan that was recently uploaded on CERS, the local unified program agency (UPA) phone number is inaccurate. The local CUPA phone number that needs to be inputted in this section is 559-584-1411. Please update this information and resubmit this section in CERS. Also, please remove any outdated emergency response contingency plans from CERS.
Violation Division: Kings County Environmental Health
Violation Program: HMRRP
Violation Source: CERS,

Site ID: 275234
Site Name: CEMEX LEMOORE PLANT
Violation Date: 04-23-2021
Citation: HSC 6.95 25508(a)(3) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(3)
Violation Description: Failure to complete and electronically submit hazardous material inventory information for all reportable hazardous materials on site at or above reportable quantities.
Violation Notes: Returned to compliance on 06/07/2021. Based on the inspection that took place, the following information must be changed in CERS: 1. Nitrogen maximum daily amount must be changed to 200 cubic feet. 2. Acetylene maximum daily amount must be changed to 372 cubic feet. 3. Oxygen maximum daily amount must be changed to 843 cubic feet. 4. Grease should be reported in pounds not gallons. 5. Used lubricating oils must be removed from the facility's hazardous materials inventory as the waste oil tank in the truck shop area was already accounted for in the inventory.

CEMEX LEMOORE PLANT (Continued) **S121758975**

Violation Division:	Kings County Environmental Health
Violation Program:	HMRRP
Violation Source:	CERS,
Site ID:	275234
Site Name:	CEMEX LEMOORE PLANT
Violation Date:	09-28-2015
Citation:	HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Description:	Failure to complete and electronically submit hazardous material inventory information for all reportable hazardous materials on site at or above reportable quantities.
Violation Notes:	Returned to compliance on 11/24/2015. During today's inspection, it was mentioned that the location of where the facility's hazardous waste and lubricants are stored need to be named the same on the hazardous materials location and site map. For example, the location for many of the hazardous materials indicate that they are stored at the truck shop but on the site map this area is addressed as maintenance area/shop. Please be consistent with the name for these locations; either call the location truck shop or maintenance area/shop. In the truck shop, please make sure to account for all motor oils, transmission fluids, gear oils, and hydraulic oils. The facility's HMBP accounted for such items by weight of the product but sense the facility carries different weights, it would make it much easier to classify them as mentioned above. Please make sure to account for all of the 5 gallon buckets of motor oils and transmission fluids the facility stores onsite. Universal waste must be added to the facility's [Truncated]
Violation Division:	Kings County Environmental Health
Violation Program:	HMRRP
Violation Source:	CERS,
Site ID:	275234
Site Name:	CEMEX LEMOORE PLANT
Violation Date:	07-02-2008
Citation:	2014-0057-DWQ - Industrial General Permit
Violation Description:	SW - Late Report
Violation Notes:	2007-2008 Annual Report delinquent as of 9/4/08
Violation Division:	Water Boards
Violation Program:	INDSTW
Violation Source:	SMARTS,
Site ID:	275234
Site Name:	CEMEX LEMOORE PLANT
Violation Date:	04-23-2021
Citation:	HSC 6.95 25508(a)(3) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(3)
Violation Description:	Failure to complete and electronically submit a site map with all required content.
Violation Notes:	Returned to compliance on 05/17/2021. The site map that was recently uploaded onto CERS must also include the following: 1. Identify the location of the eye wash stations. 2. Identify the locations of fire extinguishers. 3. Identify the location of first aid kits.
Violation Division:	Kings County Environmental Health
Violation Program:	HMRRP
Violation Source:	CERS,

CEMEX LEMOORE PLANT (Continued) **S121758975**

Site ID: 275234
Site Name: CEMEX LEMOORE PLANT
Violation Date: 04-23-2021
Citation: HSC 6.95 25508(a)(3) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(3)
Violation Description: Failure to complete and electronically submit the Business Activities Page and/or Business Owner Operator Identification Page.
Violation Notes: Returned to compliance on 05/17/2021. On the business owner/operator identification section that was submitted on CERS, the facility's environmental contact email was inputted incorrectly. Also, the number of employees for the facility has changed from 4 to 9. Please make these two changes in CERS.
Violation Division: Kings County Environmental Health
Violation Program: HMRRP
Violation Source: CERS,

Evaluation:
Eval General Type: Compliance Evaluation Inspection
Eval Date: 09-28-2015
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: The facility's hazardous waste area was observed properly maintained. All of the facility's hazardous waste manifest were available onsite and observed properly organized. Currently, the facility's hazardous waste hauler is Asburry Environmental. This hazardous waste hauler, hauls the facility's universal waste, waste oil, and waste oil filters.
Eval Division: Kings County Environmental Health
Eval Program: HW
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 09-28-2015
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: The facility's hazardous materials were observed properly contained and labeled. Some minor changes need to be completed on CERS, see the violation noted above. Employees last received employee training in December of 2014.
Eval Division: Kings County Environmental Health
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 04-23-2021
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: The facility's SPCC plan was last updated and signed by a professional engineer in 2018. Monthly aboveground tank inspections were verified onsite during the inspection. Petroleum aboveground tanks were observed in satisfactory condition as no seepage of contents were observed at the time of the inspection. Due to COVID-19, no signature was obtained for this inspection report. However, an exit interview was conducted with Richard Schmaling who is the facility's primary emergency contact.
Eval Division: Kings County Environmental Health
Eval Program: APSA

CEMEX LEMOORE PLANT (Continued) **S121758975**

Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 04-23-2021
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: The facility's hazardous materials were observed properly labeled and contained. Employee training was last conducted on April 13, 2021 and before then was conducted on August 17, 2020. Due to COVID-19, no signature was obtained for this inspection report. However, an exit interview was conducted with Richard Schmaling who is the facility's primary emergency contact.
Eval Division: Kings County Environmental Health
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 04-23-2021
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: The facility's generated hazardous waste is currently being hauled off by World Oil. Waste oil is currently being hauled off every 90 days; used oil filters and waste absorbent is hauled off every 180 days. Proof of manifests were made available and reviewed during the inspection. At the time of the inspection, the facility's generated hazardous waste was observed properly contained, labeled, and had accumulation dates. Due to COVID-19, no signature was obtained for this inspection report. However, an exit interview was conducted with Richard Schmaling who is the facility's primary emergency contact.
Eval Division: Kings County Environmental Health
Eval Program: HW
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 09-28-2015
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: The facility's SPCC plan was available for review. This plan was written and signed by a professional engineer on June 2013; however, minor changes (contact information) was modified by the facility's Environmental Staff in September 2015. The facility's petroleum based products were observed properly contained.
Eval Division: Kings County Environmental Health
Eval Program: APSA
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 05-27-2004
Violations Found: No
Eval Type: Industrial Storm Water Compliance Evaluation
Eval Notes: Not reported
Eval Division: Water Boards
Eval Program: INDSTW
Eval Source: SMARTS,

Enforcement Action:
Site ID: 275234

CEMEX LEMOORE PLANT (Continued) **S121758975**

Site Name: CEMEX LEMOORE PLANT
Site Address: 1000 S 19TH AVE
Site City: LEMOORE
Site Zip: 93245
Enf Action Date: 04-23-2021
Enf Action Type: Notice of Violation (Unified Program)
Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes: Not reported
Enf Action Division: Kings County Environmental Health
Enf Action Program: HMRRP
Enf Action Source: CERS,

Site ID: 275234
Site Name: CEMEX LEMOORE PLANT
Site Address: 1000 S 19TH AVE
Site City: LEMOORE
Site Zip: 93245
Enf Action Date: 09-04-2008
Enf Action Type: Notice of Non-Compliance for Non-Filers
Enf Action Description: Notice of Non-Compliance for Non-Filers
Enf Action Notes: 1st notice, respond by 10/6/08
Enf Action Division: Water Boards
Enf Action Program: INDSTW
Enf Action Source: SMARTS,

Site ID: 275234
Site Name: CEMEX LEMOORE PLANT
Site Address: 1000 S 19TH AVE
Site City: LEMOORE
Site Zip: 93245
Enf Action Date: 09-28-2015
Enf Action Type: Notice of Violation (Unified Program)
Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes: Not reported
Enf Action Division: Kings County Environmental Health
Enf Action Program: HMRRP
Enf Action Source: CERS,

Coordinates:
Site ID: 275234
Facility Name: CEMEX LEMOORE PLANT
Env Int Type Code: APSA
Program ID: 10222582
Coord Name: Not reported
Ref Point Type Desc: Center of a facility or station.,
Latitude: 36.282440
Longitude: -119.798090

Affiliation:
Affiliation Type Desc: Environmental Contact
Entity Name: BRIAN R MASTIN
Entity Title: ENVIRONMENTAL CONTACT
Affiliation Address: 3990 CONCOURS SUITE 200
Affiliation City: ONTARIO
Affiliation State: CA
Affiliation Country: Not reported

CEMEX LEMOORE PLANT (Continued) **S121758975**

Affiliation Zip:	Not reported
Affiliation Phone:	,
Affiliation Type Desc:	Environmental Contact
Entity Name:	Christine Jones
Entity Title:	Not reported
Affiliation Address:	4335 N GOLDEN STATE BLVD
Affiliation City:	FRESNO
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	,
Affiliation Type Desc:	Environmental Contact
Entity Name:	Shelley Huskey
Entity Title:	Not reported
Affiliation Address:	3990 CONCOURSNA SUITE 200
Affiliation City:	ONTARIO
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	,
Affiliation Type Desc:	Facility Mailing Address
Entity Name:	Mailing Address
Entity Title:	Not reported
Affiliation Address:	2365 Iron Point Road, Suite 120
Affiliation City:	Folsom
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	95630
Affiliation Phone:	,
Affiliation Type Desc:	Operator
Entity Name:	CEMEX Construction Materials Pacific, LLC.
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	(909) 974-5500,
Affiliation Type Desc:	Environmental Contact
Entity Name:	HARRY AMBROSINI
Entity Title:	DISTRICT MANAGER
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	,
Affiliation Type Desc:	Legal Owner
Entity Name:	CEMEX Construction Materials Pacific, LLC.
Entity Title:	Not reported
Affiliation Address:	2365 Iron Point Road, Suite 120

CEMEX LEMOORE PLANT (Continued) **S121758975**

Affiliation City:	Folsom
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	95630
Affiliation Phone:	(916) 941-2920,
Affiliation Type Desc:	Owner/Operator
Entity Name:	Cemex Construction Materials Pacific LLC
Entity Title:	Operator
Affiliation Address:	4120 E Jurupa StSte 202
Affiliation City:	Ontario
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	91761
Affiliation Phone:	,
Affiliation Type Desc:	Property Owner
Entity Name:	Cal Portland Cement Company
Entity Title:	Not reported
Affiliation Address:	2025 Fianancial Way
Affiliation City:	Glendora
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	91741
Affiliation Phone:	(626) 852-6200,
Affiliation Type Desc:	Public Contact
Entity Name:	Christine Jones
Entity Title:	Not reported
Affiliation Address:	4335 N GOLDEN STATE BLVD
Affiliation City:	FRESNO
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	,
Affiliation Type Desc:	Document Preparer
Entity Name:	Erin Loza
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	,
Affiliation Type Desc:	Environmental Contact
Entity Name:	Erin Loza
Entity Title:	Not reported
Affiliation Address:	2365 Iron Point Road, Suite 120
Affiliation City:	Folsom
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	95630
Affiliation Phone:	,
Affiliation Type Desc:	Facility Owner

CEMEX LEMOORE PLANT (Continued) **S121758975**

Entity Name: CEMEX CONSTRCTN MATL PACIFIC LLC
Entity Title: OWNER
Affiliation Address: 3990 CONCOURS SUITE 200
Affiliation City: ONTARIO
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: ,

Affiliation Type Desc: Identification Signer
Entity Name: Erin Loza
Entity Title: Environmental Director
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: ,

Affiliation Type Desc: Parent Company
Entity Name: CEMEX INC
Entity Title: Not reported
Affiliation Address: 2365 IRON POINT ROAD SUITE 120
Affiliation City: FOLSOM
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 93245
Affiliation Phone: ,

Affiliation Type Desc: Parent Corporation
Entity Name: Cemex Construction Materials Pacific, LLC
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: ,

Affiliation Type Desc: Property Owner
Entity Name: CAL PORTLAND CEM
Entity Title: Not reported
Affiliation Address: 2025 FINANCIAL WAY
Affiliation City: GLENDORA
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: ,

Affiliation Type Desc: Public Contact
Entity Name: Jesse White
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported

CEMEX LEMOORE PLANT (Continued) **S121758975**

Affiliation Phone: ,

Affiliation Type Desc: Company Official
Entity Name: Erin Loza
Entity Title: Environmental Manager
Affiliation Address: 2365 IRON POINT ROAD SUITE 120
Affiliation City: FOLSOM
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 93245
Affiliation Phone: ,

Affiliation Type Desc: CUPA District
Entity Name: Kings County Env Health
Entity Title: Not reported
Affiliation Address: 330 Campus Drive
Affiliation City: Hanford
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 93230
Affiliation Phone: (559) 584-1411,

Affiliation Type Desc: Environmental Contact
Entity Name: BRIAN MASTIN
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: ,

Affiliation Type Desc: Environmental Contact
Entity Name: MICHAEL DUNNAGAN
Entity Title: AREA MANAGER
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: ,

Affiliation Type Desc: Operator
Entity Name: CEMEX CONSTRCTN MATL PACIFIC LLC
Entity Title: OPERATOR
Affiliation Address: 1000 S 19TH AVENUE
Affiliation City: LEMOORE
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: ,

Affiliation Type Desc: Public Contact
Entity Name: Erin Loza
Entity Title: Not reported
Affiliation Address: 2365 IRON POINT ROAD SUITE 120
Affiliation City: FOLSOM

CEMEX LEMOORE PLANT (Continued) **S121758975**

Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 93245
Affiliation Phone: 8312279099,

Affiliation Type Desc: Technical Contact
Entity Name: Erin Loza
Entity Title: Not reported
Affiliation Address: 2365 IRON POINT ROAD SUITE 120
Affiliation City: FOLSOM
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 93245
Affiliation Phone: 8312279099,

Name: CEMEX LEMOORE PLANT
Address: 1000 S 19TH AVE
City,State,Zip: LEMOORE, CA 93245
Site ID: 275234
CERS ID: 10222582
CERS Description: Chemical Storage Facilities

Violations:
Site ID: 275234
Site Name: CEMEX LEMOORE PLANT
Violation Date: 04-23-2021
Citation: HSC 6.95 25508(a)(3) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(3)
Violation Description: Failure to establish and electronically submit an adequate emergency response plan and procedures for a release or threatened release of a hazardous material.
Violation Notes: Returned to compliance on 05/17/2021. In the emergency response contingency plan that was recently uploaded on CERS, the local unified program agency (UPA) phone number is inaccurate. The local CUPA phone number that needs to be inputted in this section is 559-584-1411. Please update this information and resubmit this section in CERS. Also, please remove any outdated emergency response contingency plans from CERS.
Violation Division: Kings County Environmental Health
Violation Program: HMRRP
Violation Source: CERS,

Site ID: 275234
Site Name: CEMEX LEMOORE PLANT
Violation Date: 04-23-2021
Citation: HSC 6.95 25508(a)(3) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(3)
Violation Description: Failure to complete and electronically submit hazardous material inventory information for all reportable hazardous materials on site at or above reportable quantities.
Violation Notes: Returned to compliance on 06/07/2021. Based on the inspection that took place, the following information must be changed in CERS: 1. Nitrogen maximum daily amount must be changed to 200 cubic feet. 2. Acetylene maximum daily amount must be changed to 372 cubic feet. 3. Oxygen maximum daily amount must be changed to 843 cubic feet. 4. Grease should be reported in pounds not gallons. 5. Used lubricating oils must be removed from the facility's hazardous materials inventory

CEMEX LEMOORE PLANT (Continued) **S121758975**

as the waste oil tank in the truck shop area was already accounted for in the inventory.
Violation Division: Kings County Environmental Health
Violation Program: HMRRP
Violation Source: CERS,

Site ID: 275234
Site Name: CEMEX LEMOORE PLANT
Violation Date: 09-28-2015
Citation: HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Description: Failure to complete and electronically submit hazardous material inventory information for all reportable hazardous materials on site at or above reportable quantities.
Violation Notes: Returned to compliance on 11/24/2015. During today's inspection, it was mentioned that the location of where the facility's hazardous waste and lubricants are stored need to be named the same on the hazardous materials location and site map. For example, the location for many of the hazardous materials indicate that they are stored at the truck shop but on the site map this area is addressed as maintenance area/shop. Please be consistent with the name for these locations; either call the location truck shop or maintenance area/shop. In the truck shop, please make sure to account for all motor oils, transmission fluids, gear oils, and hydraulic oils. The facility's HMBP accounted for such items by weight of the product but sense the facility carries different weights, it would make it much easier to classify them as mentioned above. Please make sure to account for all of the 5 gallon buckets of motor oils and transmission fluids the facility stores onsite. Universal waste must be added to the facility's [Truncated]
Violation Division: Kings County Environmental Health
Violation Program: HMRRP
Violation Source: CERS,

Site ID: 275234
Site Name: CEMEX LEMOORE PLANT
Violation Date: 07-02-2008
Citation: 2014-0057-DWQ - Industrial General Permit
Violation Description: SW - Late Report
Violation Notes: 2007-2008 Annual Report delinquent as of 9/4/08
Violation Division: Water Boards
Violation Program: INDSTW
Violation Source: SMARTS,

Site ID: 275234
Site Name: CEMEX LEMOORE PLANT
Violation Date: 04-23-2021
Citation: HSC 6.95 25508(a)(3) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(3)
Violation Description: Failure to complete and electronically submit a site map with all required content.
Violation Notes: Returned to compliance on 05/17/2021. The site map that was recently uploaded onto CERS must also include the following: 1. Identify the location of the eye wash stations. 2. Identify the locations of fire extinguishers. 3. Identify the location of first aid kits.
Violation Division: Kings County Environmental Health
Violation Program: HMRRP

CEMEX LEMOORE PLANT (Continued) **S121758975**

Violation Source: CERS,

Site ID: 275234
Site Name: CEMEX LEMOORE PLANT
Violation Date: 04-23-2021
Citation: HSC 6.95 25508(a)(3) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(3)
Violation Description: Failure to complete and electronically submit the Business Activities Page and/or Business Owner Operator Identification Page.
Violation Notes: Returned to compliance on 05/17/2021. On the business owner/operator identification section that was submitted on CERS, the facility's environmental contact email was inputted incorrectly. Also, the number of employees for the facility has changed from 4 to 9. Please make these two changes in CERS.
Violation Division: Kings County Environmental Health
Violation Program: HMRRP
Violation Source: CERS,

Evaluation:
Eval General Type: Compliance Evaluation Inspection
Eval Date: 09-28-2015
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: The facility's hazardous waste area was observed properly maintained. All of the facility's hazardous waste manifest were available onsite and observed properly organized. Currently, the facility's hazardous waste hauler is Asburry Environmental. This hazardous waste hauler, hauls the facility's universal waste, waste oil, and waste oil filters.
Eval Division: Kings County Environmental Health
Eval Program: HW
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 09-28-2015
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: The facility's hazardous materials were observed properly contained and labeled. Some minor changes need to be completed on CERS, see the violation noted above. Employees last received employee training in December of 2014.
Eval Division: Kings County Environmental Health
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 04-23-2021
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: The facility's SPCC plan was last updated and signed by a professional engineer in 2018. Monthly aboveground tank inspections were verified onsite during the inspection. Petroleum aboveground tanks were observed in satisfactory condition as no seepage of contents were observed at the time of the inspection. Due to COVID-19, no signature was obtained for this inspection report. However, an exit interview was conducted with Richard Schmaling who is the facility's primary emergency contact.

CEMEX LEMOORE PLANT (Continued) **S121758975**

Eval Division: Kings County Environmental Health
Eval Program: APSA
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 04-23-2021
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: The facility's hazardous materials were observed properly labeled and contained. Employee training was last conducted on April 13, 2021 and before then was conducted on August 17, 2020. Due to COVID-19, no signature was obtained for this inspection report. However, an exit interview was conducted with Richard Schmaling who is the facility's primary emergency contact.
Eval Division: Kings County Environmental Health
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 04-23-2021
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: The facility's generated hazardous waste is currently being hauled off by World Oil. Waste oil is currently being hauled off every 90 days; used oil filters and waste absorbent is hauled off every 180 days. Proof of manifests were made available and reviewed during the inspection. At the time of the inspection, the facility's generated hazardous waste was observed properly contained, labeled, and had accumulation dates. Due to COVID-19, no signature was obtained for this inspection report. However, an exit interview was conducted with Richard Schmaling who is the facility's primary emergency contact.
Eval Division: Kings County Environmental Health
Eval Program: HW
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 09-28-2015
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: The facility's SPCC plan was available for review. This plan was written and signed by a professional engineer on June 2013; however, minor changes (contact information) was modified by the facility's Environmental Staff in September 2015. The facility's petroleum based products were observed properly contained.
Eval Division: Kings County Environmental Health
Eval Program: APSA
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 05-27-2004
Violations Found: No
Eval Type: Industrial Storm Water Compliance Evaluation
Eval Notes: Not reported
Eval Division: Water Boards
Eval Program: INDSTW
Eval Source: SMARTS,

CEMEX LEMOORE PLANT (Continued) **S121758975**

Enforcement Action:

Site ID:	275234
Site Name:	CEMEX LEMOORE PLANT
Site Address:	1000 S 19TH AVE
Site City:	LEMOORE
Site Zip:	93245
Enf Action Date:	04-23-2021
Enf Action Type:	Notice of Violation (Unified Program)
Enf Action Description:	Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes:	Not reported
Enf Action Division:	Kings County Environmental Health
Enf Action Program:	HMRRP
Enf Action Source:	CERS,

Site ID:	275234
Site Name:	CEMEX LEMOORE PLANT
Site Address:	1000 S 19TH AVE
Site City:	LEMOORE
Site Zip:	93245
Enf Action Date:	09-04-2008
Enf Action Type:	Notice of Non-Compliance for Non-Filers
Enf Action Description:	Notice of Non-Compliance for Non-Filers
Enf Action Notes:	1st notice, respond by 10/6/08
Enf Action Division:	Water Boards
Enf Action Program:	INDSTW
Enf Action Source:	SMARTS,

Site ID:	275234
Site Name:	CEMEX LEMOORE PLANT
Site Address:	1000 S 19TH AVE
Site City:	LEMOORE
Site Zip:	93245
Enf Action Date:	09-28-2015
Enf Action Type:	Notice of Violation (Unified Program)
Enf Action Description:	Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes:	Not reported
Enf Action Division:	Kings County Environmental Health
Enf Action Program:	HMRRP
Enf Action Source:	CERS,

Coordinates:

Site ID:	275234
Facility Name:	CEMEX LEMOORE PLANT
Env Int Type Code:	APSA
Program ID:	10222582
Coord Name:	Not reported
Ref Point Type Desc:	Center of a facility or station.,
Latitude:	36.282440
Longitude:	-119.798090

Affiliation:

Affiliation Type Desc:	Environmental Contact
Entity Name:	BRIAN R MASTIN
Entity Title:	ENVIRONMENTAL CONTACT
Affiliation Address:	3990 CONCOURS SUITE 200
Affiliation City:	ONTARIO

CEMEX LEMOORE PLANT (Continued) **S121758975**

Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	,
Affiliation Type Desc:	Environmental Contact
Entity Name:	Christine Jones
Entity Title:	Not reported
Affiliation Address:	4335 N GOLDEN STATE BLVD
Affiliation City:	FRESNO
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	,
Affiliation Type Desc:	Environmental Contact
Entity Name:	Shelley Huskey
Entity Title:	Not reported
Affiliation Address:	3990 CONCOURSNA SUITE 200
Affiliation City:	ONTARIO
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	,
Affiliation Type Desc:	Facility Mailing Address
Entity Name:	Mailing Address
Entity Title:	Not reported
Affiliation Address:	2365 Iron Point Road, Suite 120
Affiliation City:	Folsom
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	95630
Affiliation Phone:	,
Affiliation Type Desc:	Operator
Entity Name:	CEMEX Construction Materials Pacific, LLC.
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	(909) 974-5500,
Affiliation Type Desc:	Environmental Contact
Entity Name:	HARRY AMBROSINI
Entity Title:	DISTRICT MANAGER
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	,
Affiliation Type Desc:	Legal Owner
Entity Name:	CEMEX Construction Materials Pacific, LLC.

CEMEX LEMOORE PLANT (Continued) **S121758975**

Entity Title:	Not reported
Affiliation Address:	2365 Iron Point Road, Suite 120
Affiliation City:	Folsom
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	95630
Affiliation Phone:	(916) 941-2920,
Affiliation Type Desc:	Owner/Operator
Entity Name:	Cemex Construction Materials Pacific LLC
Entity Title:	Operator
Affiliation Address:	4120 E Jurupa StSte 202
Affiliation City:	Ontario
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	91761
Affiliation Phone:	,
Affiliation Type Desc:	Property Owner
Entity Name:	Cal Portland Cement Company
Entity Title:	Not reported
Affiliation Address:	2025 Fianancial Way
Affiliation City:	Glendora
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	91741
Affiliation Phone:	(626) 852-6200,
Affiliation Type Desc:	Public Contact
Entity Name:	Christine Jones
Entity Title:	Not reported
Affiliation Address:	4335 N GOLDEN STATE BLVD
Affiliation City:	FRESNO
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	,
Affiliation Type Desc:	Document Preparer
Entity Name:	Erin Loza
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	,
Affiliation Type Desc:	Environmental Contact
Entity Name:	Erin Loza
Entity Title:	Not reported
Affiliation Address:	2365 Iron Point Road, Suite 120
Affiliation City:	Folsom
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	95630
Affiliation Phone:	,

CEMEX LEMOORE PLANT (Continued) **S121758975**

Affiliation Type Desc:	Facility Owner
Entity Name:	CEMEX CONSTRCTN MATL PACIFIC LLC
Entity Title:	OWNER
Affiliation Address:	3990 CONCOURS SUITE 200
Affiliation City:	ONTARIO
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	,

Affiliation Type Desc:	Identification Signer
Entity Name:	Erin Loza
Entity Title:	Environmental Director
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	,

Affiliation Type Desc:	Parent Company
Entity Name:	CEMEX INC
Entity Title:	Not reported
Affiliation Address:	2365 IRON POINT ROAD SUITE 120
Affiliation City:	FOLSOM
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	93245
Affiliation Phone:	,

Affiliation Type Desc:	Parent Corporation
Entity Name:	Cemex Construction Materials Pacific, LLC
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	,

Affiliation Type Desc:	Property Owner
Entity Name:	CAL PORTLAND CEM
Entity Title:	Not reported
Affiliation Address:	2025 FINANCIAL WAY
Affiliation City:	GLENDORA
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	,

Affiliation Type Desc:	Public Contact
Entity Name:	Jesse White
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported

CEMEX LEMOORE PLANT (Continued) **S121758975**

Affiliation Zip: Not reported
Affiliation Phone: ,

Affiliation Type Desc: Company Official
Entity Name: Erin Loza
Entity Title: Environmental Manager
Affiliation Address: 2365 IRON POINT ROAD SUITE 120
Affiliation City: FOLSOM
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 93245
Affiliation Phone: ,

Affiliation Type Desc: CUPA District
Entity Name: Kings County Env Health
Entity Title: Not reported
Affiliation Address: 330 Campus Drive
Affiliation City: Hanford
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 93230
Affiliation Phone: (559) 584-1411,

Affiliation Type Desc: Environmental Contact
Entity Name: BRIAN MASTIN
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: ,

Affiliation Type Desc: Environmental Contact
Entity Name: MICHAEL DUNNAGAN
Entity Title: AREA MANAGER
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: ,

Affiliation Type Desc: Operator
Entity Name: CEMEX CONSTRCTN MATL PACIFIC LLC
Entity Title: OPERATOR
Affiliation Address: 1000 S 19TH AVENUE
Affiliation City: LEMOORE
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: ,

Affiliation Type Desc: Public Contact
Entity Name: Erin Loza
Entity Title: Not reported
Affiliation Address: 2365 IRON POINT ROAD SUITE 120

CEMEX LEMOORE PLANT (Continued) **S121758975**

Affiliation City: FOLSOM
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 93245
Affiliation Phone: 8312279099,

Affiliation Type Desc: Technical Contact
Entity Name: Erin Loza
Entity Title: Not reported
Affiliation Address: 2365 IRON POINT ROAD SUITE 120
Affiliation City: FOLSOM
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 93245
Affiliation Phone: 8312279099,

Name: CEMEX LEMOORE PLANT
Address: 1000 S 19TH AVE
City,State,Zip: LEMOORE, CA 93245
Site ID: 275234
CERS ID: 206697
CERS Description: Industrial Facility Storm Water

Violations:
Site ID: 275234
Site Name: CEMEX LEMOORE PLANT
Violation Date: 04-23-2021
Citation: HSC 6.95 25508(a)(3) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(3)
Violation Description: Failure to establish and electronically submit an adequate emergency response plan and procedures for a release or threatened release of a hazardous material.
Violation Notes: Returned to compliance on 05/17/2021. In the emergency response contingency plan that was recently uploaded on CERS, the local unified program agency (UPA) phone number is inaccurate. The local CUPA phone number that needs to be inputted in this section is 559-584-1411. Please update this information and resubmit this section in CERS. Also, please remove any outdated emergency response contingency plans from CERS.
Violation Division: Kings County Environmental Health
Violation Program: HMRRP
Violation Source: CERS,

Site ID: 275234
Site Name: CEMEX LEMOORE PLANT
Violation Date: 04-23-2021
Citation: HSC 6.95 25508(a)(3) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(3)
Violation Description: Failure to complete and electronically submit hazardous material inventory information for all reportable hazardous materials on site at or above reportable quantities.
Violation Notes: Returned to compliance on 06/07/2021. Based on the inspection that took place, the following information must be changed in CERS: 1. Nitrogen maximum daily amount must be changed to 200 cubic feet. 2. Acetylene maximum daily amount must be changed to 372 cubic feet. 3. Oxygen maximum daily amount must be changed to 843 cubic feet. 4. Grease should be reported in pounds not gallons. 5. Used lubricating

CEMEX LEMOORE PLANT (Continued) **S121758975**

	oils must be removed from the facility's hazardous materials inventory as the waste oil tank in the truck shop area was already accounted for in the inventory.
Violation Division:	Kings County Environmental Health
Violation Program:	HMRRP
Violation Source:	CERS,
Site ID:	275234
Site Name:	CEMEX LEMOORE PLANT
Violation Date:	09-28-2015
Citation:	HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Description:	Failure to complete and electronically submit hazardous material inventory information for all reportable hazardous materials on site at or above reportable quantities.
Violation Notes:	Returned to compliance on 11/24/2015. During today's inspection, it was mentioned that the location of where the facility's hazardous waste and lubricants are stored need to be named the same on the hazardous materials location and site map. For example, the location for many of the hazardous materials indicate that they are stored at the truck shop but on the site map this area is addressed as maintenance area/shop. Please be consistent with the name for these locations; either call the location truck shop or maintenance area/shop. In the truck shop, please make sure to account for all motor oils, transmission fluids, gear oils, and hydraulic oils. The facility's HMBP accounted for such items by weight of the product but sense the facility carries different weights, it would make it much easier to classify them as mentioned above. Please make sure to account for all of the 5 gallon buckets of motor oils and transmission fluids the facility stores onsite. Universal waste must be added to the facility's [Truncated]
Violation Division:	Kings County Environmental Health
Violation Program:	HMRRP
Violation Source:	CERS,
Site ID:	275234
Site Name:	CEMEX LEMOORE PLANT
Violation Date:	07-02-2008
Citation:	2014-0057-DWQ - Industrial General Permit
Violation Description:	SW - Late Report
Violation Notes:	2007-2008 Annual Report delinquent as of 9/4/08
Violation Division:	Water Boards
Violation Program:	INDSTW
Violation Source:	SMARTS,
Site ID:	275234
Site Name:	CEMEX LEMOORE PLANT
Violation Date:	04-23-2021
Citation:	HSC 6.95 25508(a)(3) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(3)
Violation Description:	Failure to complete and electronically submit a site map with all required content.
Violation Notes:	Returned to compliance on 05/17/2021. The site map that was recently uploaded onto CERS must also include the following: 1. Identify the location of the eye wash stations. 2. Identify the locations of fire extinguishers. 3. Identify the location of first aid kits.
Violation Division:	Kings County Environmental Health

CEMEX LEMOORE PLANT (Continued) **S121758975**

Violation Program: HMRRP
Violation Source: CERS,

Site ID: 275234
Site Name: CEMEX LEMOORE PLANT
Violation Date: 04-23-2021
Citation: HSC 6.95 25508(a)(3) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(3)
Violation Description: Failure to complete and electronically submit the Business Activities Page and/or Business Owner Operator Identification Page.
Violation Notes: Returned to compliance on 05/17/2021. On the business owner/operator identification section that was submitted on CERS, the facility's environmental contact email was inputted incorrectly. Also, the number of employees for the facility has changed from 4 to 9. Please make these two changes in CERS.
Violation Division: Kings County Environmental Health
Violation Program: HMRRP
Violation Source: CERS,

Evaluation:
Eval General Type: Compliance Evaluation Inspection
Eval Date: 09-28-2015
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: The facility's hazardous waste area was observed properly maintained. All of the facility's hazardous waste manifest were available onsite and observed properly organized. Currently, the facility's hazardous waste hauler is Asburry Environmental. This hazardous waste hauler, hauls the facility's universal waste, waste oil, and waste oil filters.
Eval Division: Kings County Environmental Health
Eval Program: HW
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 09-28-2015
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: The facility's hazardous materials were observed properly contained and labeled. Some minor changes need to be completed on CERS, see the violation noted above. Employees last received employee training in December of 2014.
Eval Division: Kings County Environmental Health
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 04-23-2021
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: The facility's SPCC plan was last updated and signed by a professional engineer in 2018. Monthly aboveground tank inspections were verified onsite during the inspection. Petroleum aboveground tanks were observed in satisfactory condition as no seepage of contents were observed at the time of the inspection. Due to COVID-19, no signature was obtained for this inspection report. However, an exit interview was conducted with Richard Schmaling who is the facility's primary

CEMEX LEMOORE PLANT (Continued) **S121758975**

emergency contact.
Eval Division: Kings County Environmental Health
Eval Program: APSA
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 04-23-2021
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: The facility's hazardous materials were observed properly labeled and contained. Employee training was last conducted on April 13, 2021 and before then was conducted on August 17, 2020. Due to COVID-19, no signature was obtained for this inspection report. However, an exit interview was conducted with Richard Schmaling who is the facility's primary emergency contact.
Eval Division: Kings County Environmental Health
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 04-23-2021
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: The facility's generated hazardous waste is currently being hauled off by World Oil. Waste oil is currently being hauled off every 90 days; used oil filters and waste absorbent is hauled off every 180 days. Proof of manifests were made available and reviewed during the inspection. At the time of the inspection, the facility's generated hazardous waste was observed properly contained, labeled, and had accumulation dates. Due to COVID-19, no signature was obtained for this inspection report. However, an exit interview was conducted with Richard Schmaling who is the facility's primary emergency contact.
Eval Division: Kings County Environmental Health
Eval Program: HW
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 09-28-2015
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: The facility's SPCC plan was available for review. This plan was written and signed by a professional engineer on June 2013; however, minor changes (contact information) was modified by the facility's Environmental Staff in September 2015. The facility's petroleum based products were observed properly contained.
Eval Division: Kings County Environmental Health
Eval Program: APSA
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 05-27-2004
Violations Found: No
Eval Type: Industrial Storm Water Compliance Evaluation
Eval Notes: Not reported
Eval Division: Water Boards
Eval Program: INDSTW
Eval Source: SMARTS,

CEMEX LEMOORE PLANT (Continued) **S121758975**

Enforcement Action:

Site ID:	275234
Site Name:	CEMEX LEMOORE PLANT
Site Address:	1000 S 19TH AVE
Site City:	LEMOORE
Site Zip:	93245
Enf Action Date:	04-23-2021
Enf Action Type:	Notice of Violation (Unified Program)
Enf Action Description:	Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes:	Not reported
Enf Action Division:	Kings County Environmental Health
Enf Action Program:	HMRRP
Enf Action Source:	CERS,

Site ID:	275234
Site Name:	CEMEX LEMOORE PLANT
Site Address:	1000 S 19TH AVE
Site City:	LEMOORE
Site Zip:	93245
Enf Action Date:	09-04-2008
Enf Action Type:	Notice of Non-Compliance for Non-Filers
Enf Action Description:	Notice of Non-Compliance for Non-Filers
Enf Action Notes:	1st notice, respond by 10/6/08
Enf Action Division:	Water Boards
Enf Action Program:	INDSTW
Enf Action Source:	SMARTS,

Site ID:	275234
Site Name:	CEMEX LEMOORE PLANT
Site Address:	1000 S 19TH AVE
Site City:	LEMOORE
Site Zip:	93245
Enf Action Date:	09-28-2015
Enf Action Type:	Notice of Violation (Unified Program)
Enf Action Description:	Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes:	Not reported
Enf Action Division:	Kings County Environmental Health
Enf Action Program:	HMRRP
Enf Action Source:	CERS,

Coordinates:

Site ID:	275234
Facility Name:	CEMEX LEMOORE PLANT
Env Int Type Code:	APSA
Program ID:	10222582
Coord Name:	Not reported
Ref Point Type Desc:	Center of a facility or station.,
Latitude:	36.282440
Longitude:	-119.798090

Affiliation:

Affiliation Type Desc:	Environmental Contact
Entity Name:	BRIAN R MASTIN
Entity Title:	ENVIRONMENTAL CONTACT
Affiliation Address:	3990 CONCOURS SUITE 200
Affiliation City:	ONTARIO

CEMEX LEMOORE PLANT (Continued) **S121758975**

Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	,
Affiliation Type Desc:	Environmental Contact
Entity Name:	Christine Jones
Entity Title:	Not reported
Affiliation Address:	4335 N GOLDEN STATE BLVD
Affiliation City:	FRESNO
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	,
Affiliation Type Desc:	Environmental Contact
Entity Name:	Shelley Huskey
Entity Title:	Not reported
Affiliation Address:	3990 CONCOURSNA SUITE 200
Affiliation City:	ONTARIO
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	,
Affiliation Type Desc:	Facility Mailing Address
Entity Name:	Mailing Address
Entity Title:	Not reported
Affiliation Address:	2365 Iron Point Road, Suite 120
Affiliation City:	Folsom
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	95630
Affiliation Phone:	,
Affiliation Type Desc:	Operator
Entity Name:	CEMEX Construction Materials Pacific, LLC.
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	(909) 974-5500,
Affiliation Type Desc:	Environmental Contact
Entity Name:	HARRY AMBROSINI
Entity Title:	DISTRICT MANAGER
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	,
Affiliation Type Desc:	Legal Owner
Entity Name:	CEMEX Construction Materials Pacific, LLC.

CEMEX LEMOORE PLANT (Continued) **S121758975**

Entity Title:	Not reported
Affiliation Address:	2365 Iron Point Road, Suite 120
Affiliation City:	Folsom
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	95630
Affiliation Phone:	(916) 941-2920,
Affiliation Type Desc:	Owner/Operator
Entity Name:	Cemex Construction Materials Pacific LLC
Entity Title:	Operator
Affiliation Address:	4120 E Jurupa StSte 202
Affiliation City:	Ontario
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	91761
Affiliation Phone:	,
Affiliation Type Desc:	Property Owner
Entity Name:	Cal Portland Cement Company
Entity Title:	Not reported
Affiliation Address:	2025 Fianancial Way
Affiliation City:	Glendora
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	91741
Affiliation Phone:	(626) 852-6200,
Affiliation Type Desc:	Public Contact
Entity Name:	Christine Jones
Entity Title:	Not reported
Affiliation Address:	4335 N GOLDEN STATE BLVD
Affiliation City:	FRESNO
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	,
Affiliation Type Desc:	Document Preparer
Entity Name:	Erin Loza
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	,
Affiliation Type Desc:	Environmental Contact
Entity Name:	Erin Loza
Entity Title:	Not reported
Affiliation Address:	2365 Iron Point Road, Suite 120
Affiliation City:	Folsom
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	95630
Affiliation Phone:	,

CEMEX LEMOORE PLANT (Continued) **S121758975**

Affiliation Type Desc:	Facility Owner
Entity Name:	CEMEX CONSTRCTN MATL PACIFIC LLC
Entity Title:	OWNER
Affiliation Address:	3990 CONCOURS SUITE 200
Affiliation City:	ONTARIO
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	,

Affiliation Type Desc:	Identification Signer
Entity Name:	Erin Loza
Entity Title:	Environmental Director
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	,

Affiliation Type Desc:	Parent Company
Entity Name:	CEMEX INC
Entity Title:	Not reported
Affiliation Address:	2365 IRON POINT ROAD SUITE 120
Affiliation City:	FOLSOM
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	93245
Affiliation Phone:	,

Affiliation Type Desc:	Parent Corporation
Entity Name:	Cemex Construction Materials Pacific, LLC
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	,

Affiliation Type Desc:	Property Owner
Entity Name:	CAL PORTLAND CEM
Entity Title:	Not reported
Affiliation Address:	2025 FINANCIAL WAY
Affiliation City:	GLENDORA
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	,

Affiliation Type Desc:	Public Contact
Entity Name:	Jesse White
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported

CEMEX LEMOORE PLANT (Continued) **S121758975**

Affiliation Zip: Not reported
Affiliation Phone: ,

Affiliation Type Desc: Company Official
Entity Name: Erin Loza
Entity Title: Environmental Manager
Affiliation Address: 2365 IRON POINT ROAD SUITE 120
Affiliation City: FOLSOM
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 93245
Affiliation Phone: ,

Affiliation Type Desc: CUPA District
Entity Name: Kings County Env Health
Entity Title: Not reported
Affiliation Address: 330 Campus Drive
Affiliation City: Hanford
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 93230
Affiliation Phone: (559) 584-1411,

Affiliation Type Desc: Environmental Contact
Entity Name: BRIAN MASTIN
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: ,

Affiliation Type Desc: Environmental Contact
Entity Name: MICHAEL DUNNAGAN
Entity Title: AREA MANAGER
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: ,

Affiliation Type Desc: Operator
Entity Name: CEMEX CONSTRCTN MATL PACIFIC LLC
Entity Title: OPERATOR
Affiliation Address: 1000 S 19TH AVENUE
Affiliation City: LEMOORE
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: ,

Affiliation Type Desc: Public Contact
Entity Name: Erin Loza
Entity Title: Not reported
Affiliation Address: 2365 IRON POINT ROAD SUITE 120

CEMEX LEMOORE PLANT (Continued) **S121758975**

Affiliation City: FOLSOM
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 93245
Affiliation Phone: 8312279099,

Affiliation Type Desc: Technical Contact
Entity Name: Erin Loza
Entity Title: Not reported
Affiliation Address: 2365 IRON POINT ROAD SUITE 120
Affiliation City: FOLSOM
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 93245
Affiliation Phone: 8312279099,

Name: CEMEX LEMOORE PLANT
Address: 1000 S 19TH AVE
City,State,Zip: LEMOORE, CA 93245
Site ID: 275234
CERS ID: 93245CMXRD1S19T
CERS Description: Toxic Release Inventory

Violations:
Site ID: 275234
Site Name: CEMEX LEMOORE PLANT
Violation Date: 04-23-2021
Citation: HSC 6.95 25508(a)(3) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(3)
Violation Description: Failure to establish and electronically submit an adequate emergency response plan and procedures for a release or threatened release of a hazardous material.
Violation Notes: Returned to compliance on 05/17/2021. In the emergency response contingency plan that was recently uploaded on CERS, the local unified program agency (UPA) phone number is inaccurate. The local CUPA phone number that needs to be inputted in this section is 559-584-1411. Please update this information and resubmit this section in CERS. Also, please remove any outdated emergency response contingency plans from CERS.
Violation Division: Kings County Environmental Health
Violation Program: HMRRP
Violation Source: CERS,

Site ID: 275234
Site Name: CEMEX LEMOORE PLANT
Violation Date: 04-23-2021
Citation: HSC 6.95 25508(a)(3) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(3)
Violation Description: Failure to complete and electronically submit hazardous material inventory information for all reportable hazardous materials on site at or above reportable quantities.
Violation Notes: Returned to compliance on 06/07/2021. Based on the inspection that took place, the following information must be changed in CERS: 1. Nitrogen maximum daily amount must be changed to 200 cubic feet. 2. Acetylene maximum daily amount must be changed to 372 cubic feet. 3. Oxygen maximum daily amount must be changed to 843 cubic feet. 4. Grease should be reported in pounds not gallons. 5. Used lubricating

CEMEX LEMOORE PLANT (Continued) **S121758975**

	oils must be removed from the facility's hazardous materials inventory as the waste oil tank in the truck shop area was already accounted for in the inventory.
Violation Division:	Kings County Environmental Health
Violation Program:	HMRRP
Violation Source:	CERS,
Site ID:	275234
Site Name:	CEMEX LEMOORE PLANT
Violation Date:	09-28-2015
Citation:	HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Description:	Failure to complete and electronically submit hazardous material inventory information for all reportable hazardous materials on site at or above reportable quantities.
Violation Notes:	Returned to compliance on 11/24/2015. During today's inspection, it was mentioned that the location of where the facility's hazardous waste and lubricants are stored need to be named the same on the hazardous materials location and site map. For example, the location for many of the hazardous materials indicate that they are stored at the truck shop but on the site map this area is addressed as maintenance area/shop. Please be consistent with the name for these locations; either call the location truck shop or maintenance area/shop. In the truck shop, please make sure to account for all motor oils, transmission fluids, gear oils, and hydraulic oils. The facility's HMBP accounted for such items by weight of the product but sense the facility carries different weights, it would make it much easier to classify them as mentioned above. Please make sure to account for all of the 5 gallon buckets of motor oils and transmission fluids the facility stores onsite. Universal waste must be added to the facility's [Truncated]
Violation Division:	Kings County Environmental Health
Violation Program:	HMRRP
Violation Source:	CERS,
Site ID:	275234
Site Name:	CEMEX LEMOORE PLANT
Violation Date:	07-02-2008
Citation:	2014-0057-DWQ - Industrial General Permit
Violation Description:	SW - Late Report
Violation Notes:	2007-2008 Annual Report delinquent as of 9/4/08
Violation Division:	Water Boards
Violation Program:	INDSTW
Violation Source:	SMARTS,
Site ID:	275234
Site Name:	CEMEX LEMOORE PLANT
Violation Date:	04-23-2021
Citation:	HSC 6.95 25508(a)(3) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(3)
Violation Description:	Failure to complete and electronically submit a site map with all required content.
Violation Notes:	Returned to compliance on 05/17/2021. The site map that was recently uploaded onto CERS must also include the following: 1. Identify the location of the eye wash stations. 2. Identify the locations of fire extinguishers. 3. Identify the location of first aid kits.
Violation Division:	Kings County Environmental Health

CEMEX LEMOORE PLANT (Continued) **S121758975**

Violation Program: HMRRP
Violation Source: CERS,

Site ID: 275234
Site Name: CEMEX LEMOORE PLANT
Violation Date: 04-23-2021
Citation: HSC 6.95 25508(a)(3) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(3)
Violation Description: Failure to complete and electronically submit the Business Activities Page and/or Business Owner Operator Identification Page.
Violation Notes: Returned to compliance on 05/17/2021. On the business owner/operator identification section that was submitted on CERS, the facility's environmental contact email was inputted incorrectly. Also, the number of employees for the facility has changed from 4 to 9. Please make these two changes in CERS.
Violation Division: Kings County Environmental Health
Violation Program: HMRRP
Violation Source: CERS,

Evaluation:
Eval General Type: Compliance Evaluation Inspection
Eval Date: 09-28-2015
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: The facility's hazardous waste area was observed properly maintained. All of the facility's hazardous waste manifest were available onsite and observed properly organized. Currently, the facility's hazardous waste hauler is Asburry Environmental. This hazardous waste hauler, hauls the facility's universal waste, waste oil, and waste oil filters.
Eval Division: Kings County Environmental Health
Eval Program: HW
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 09-28-2015
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: The facility's hazardous materials were observed properly contained and labeled. Some minor changes need to be completed on CERS, see the violation noted above. Employees last received employee training in December of 2014.
Eval Division: Kings County Environmental Health
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 04-23-2021
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: The facility's SPCC plan was last updated and signed by a professional engineer in 2018. Monthly aboveground tank inspections were verified onsite during the inspection. Petroleum aboveground tanks were observed in satisfactory condition as no seepage of contents were observed at the time of the inspection. Due to COVID-19, no signature was obtained for this inspection report. However, an exit interview was conducted with Richard Schmaling who is the facility's primary

CEMEX LEMOORE PLANT (Continued) **S121758975**

emergency contact.
Eval Division: Kings County Environmental Health
Eval Program: APSA
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 04-23-2021
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: The facility's hazardous materials were observed properly labeled and contained. Employee training was last conducted on April 13, 2021 and before then was conducted on August 17, 2020. Due to COVID-19, no signature was obtained for this inspection report. However, an exit interview was conducted with Richard Schmaling who is the facility's primary emergency contact.
Eval Division: Kings County Environmental Health
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 04-23-2021
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: The facility's generated hazardous waste is currently being hauled off by World Oil. Waste oil is currently being hauled off every 90 days; used oil filters and waste absorbent is hauled off every 180 days. Proof of manifests were made available and reviewed during the inspection. At the time of the inspection, the facility's generated hazardous waste was observed properly contained, labeled, and had accumulation dates. Due to COVID-19, no signature was obtained for this inspection report. However, an exit interview was conducted with Richard Schmaling who is the facility's primary emergency contact.
Eval Division: Kings County Environmental Health
Eval Program: HW
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 09-28-2015
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: The facility's SPCC plan was available for review. This plan was written and signed by a professional engineer on June 2013; however, minor changes (contact information) was modified by the facility's Environmental Staff in September 2015. The facility's petroleum based products were observed properly contained.
Eval Division: Kings County Environmental Health
Eval Program: APSA
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 05-27-2004
Violations Found: No
Eval Type: Industrial Storm Water Compliance Evaluation
Eval Notes: Not reported
Eval Division: Water Boards
Eval Program: INDSTW
Eval Source: SMARTS,

CEMEX LEMOORE PLANT (Continued) **S121758975**

Enforcement Action:

Site ID:	275234
Site Name:	CEMEX LEMOORE PLANT
Site Address:	1000 S 19TH AVE
Site City:	LEMOORE
Site Zip:	93245
Enf Action Date:	04-23-2021
Enf Action Type:	Notice of Violation (Unified Program)
Enf Action Description:	Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes:	Not reported
Enf Action Division:	Kings County Environmental Health
Enf Action Program:	HMRRP
Enf Action Source:	CERS,

Site ID:	275234
Site Name:	CEMEX LEMOORE PLANT
Site Address:	1000 S 19TH AVE
Site City:	LEMOORE
Site Zip:	93245
Enf Action Date:	09-04-2008
Enf Action Type:	Notice of Non-Compliance for Non-Filers
Enf Action Description:	Notice of Non-Compliance for Non-Filers
Enf Action Notes:	1st notice, respond by 10/6/08
Enf Action Division:	Water Boards
Enf Action Program:	INDSTW
Enf Action Source:	SMARTS,

Site ID:	275234
Site Name:	CEMEX LEMOORE PLANT
Site Address:	1000 S 19TH AVE
Site City:	LEMOORE
Site Zip:	93245
Enf Action Date:	09-28-2015
Enf Action Type:	Notice of Violation (Unified Program)
Enf Action Description:	Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes:	Not reported
Enf Action Division:	Kings County Environmental Health
Enf Action Program:	HMRRP
Enf Action Source:	CERS,

Coordinates:

Site ID:	275234
Facility Name:	CEMEX LEMOORE PLANT
Env Int Type Code:	APSA
Program ID:	10222582
Coord Name:	Not reported
Ref Point Type Desc:	Center of a facility or station.,
Latitude:	36.282440
Longitude:	-119.798090

Affiliation:

Affiliation Type Desc:	Environmental Contact
Entity Name:	BRIAN R MASTIN
Entity Title:	ENVIRONMENTAL CONTACT
Affiliation Address:	3990 CONCOURS SUITE 200
Affiliation City:	ONTARIO

CEMEX LEMOORE PLANT (Continued) **S121758975**

Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: ,

Affiliation Type Desc: Environmental Contact
Entity Name: Christine Jones
Entity Title: Not reported
Affiliation Address: 4335 N GOLDEN STATE BLVD
Affiliation City: FRESNO
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: ,

Affiliation Type Desc: Environmental Contact
Entity Name: Shelley Huskey
Entity Title: Not reported
Affiliation Address: 3990 CONCOURSNA SUITE 200
Affiliation City: ONTARIO
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: ,

Affiliation Type Desc: Facility Mailing Address
Entity Name: Mailing Address
Entity Title: Not reported
Affiliation Address: 2365 Iron Point Road, Suite 120
Affiliation City: Folsom
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 95630
Affiliation Phone: ,

Affiliation Type Desc: Operator
Entity Name: CEMEX Construction Materials Pacific, LLC.
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: (909) 974-5500,

Affiliation Type Desc: Environmental Contact
Entity Name: HARRY AMBROSINI
Entity Title: DISTRICT MANAGER
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: ,

Affiliation Type Desc: Legal Owner
Entity Name: CEMEX Construction Materials Pacific, LLC.

CEMEX LEMOORE PLANT (Continued) **S121758975**

Entity Title:	Not reported
Affiliation Address:	2365 Iron Point Road, Suite 120
Affiliation City:	Folsom
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	95630
Affiliation Phone:	(916) 941-2920,
Affiliation Type Desc:	Owner/Operator
Entity Name:	Cemex Construction Materials Pacific LLC
Entity Title:	Operator
Affiliation Address:	4120 E Jurupa StSte 202
Affiliation City:	Ontario
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	91761
Affiliation Phone:	,
Affiliation Type Desc:	Property Owner
Entity Name:	Cal Portland Cement Company
Entity Title:	Not reported
Affiliation Address:	2025 Fianancial Way
Affiliation City:	Glendora
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	91741
Affiliation Phone:	(626) 852-6200,
Affiliation Type Desc:	Public Contact
Entity Name:	Christine Jones
Entity Title:	Not reported
Affiliation Address:	4335 N GOLDEN STATE BLVD
Affiliation City:	FRESNO
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	,
Affiliation Type Desc:	Document Preparer
Entity Name:	Erin Loza
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	,
Affiliation Type Desc:	Environmental Contact
Entity Name:	Erin Loza
Entity Title:	Not reported
Affiliation Address:	2365 Iron Point Road, Suite 120
Affiliation City:	Folsom
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	95630
Affiliation Phone:	,

CEMEX LEMOORE PLANT (Continued) **S121758975**

Affiliation Type Desc:	Facility Owner
Entity Name:	CEMEX CONSTRCTN MATL PACIFIC LLC
Entity Title:	OWNER
Affiliation Address:	3990 CONCOURS SUITE 200
Affiliation City:	ONTARIO
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	,

Affiliation Type Desc:	Identification Signer
Entity Name:	Erin Loza
Entity Title:	Environmental Director
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	,

Affiliation Type Desc:	Parent Company
Entity Name:	CEMEX INC
Entity Title:	Not reported
Affiliation Address:	2365 IRON POINT ROAD SUITE 120
Affiliation City:	FOLSOM
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	93245
Affiliation Phone:	,

Affiliation Type Desc:	Parent Corporation
Entity Name:	Cemex Construction Materials Pacific, LLC
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	,

Affiliation Type Desc:	Property Owner
Entity Name:	CAL PORTLAND CEM
Entity Title:	Not reported
Affiliation Address:	2025 FINANCIAL WAY
Affiliation City:	GLENDORA
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	,

Affiliation Type Desc:	Public Contact
Entity Name:	Jesse White
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported

CEMEX LEMOORE PLANT (Continued) **S121758975**

Affiliation Zip: Not reported
Affiliation Phone: ,

Affiliation Type Desc: Company Official
Entity Name: Erin Loza
Entity Title: Environmental Manager
Affiliation Address: 2365 IRON POINT ROAD SUITE 120
Affiliation City: FOLSOM
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 93245
Affiliation Phone: ,

Affiliation Type Desc: CUPA District
Entity Name: Kings County Env Health
Entity Title: Not reported
Affiliation Address: 330 Campus Drive
Affiliation City: Hanford
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 93230
Affiliation Phone: (559) 584-1411,

Affiliation Type Desc: Environmental Contact
Entity Name: BRIAN MASTIN
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: ,

Affiliation Type Desc: Environmental Contact
Entity Name: MICHAEL DUNNAGAN
Entity Title: AREA MANAGER
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: ,

Affiliation Type Desc: Operator
Entity Name: CEMEX CONSTRCTN MATL PACIFIC LLC
Entity Title: OPERATOR
Affiliation Address: 1000 S 19TH AVENUE
Affiliation City: LEMOORE
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: ,

Affiliation Type Desc: Public Contact
Entity Name: Erin Loza
Entity Title: Not reported
Affiliation Address: 2365 IRON POINT ROAD SUITE 120

CEMEX LEMOORE PLANT (Continued) **S121758975**

Affiliation City:	FOLSOM
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	93245
Affiliation Phone:	8312279099,
Affiliation Type Desc:	Technical Contact
Entity Name:	Erin Loza
Entity Title:	Not reported
Affiliation Address:	2365 IRON POINT ROAD SUITE 120
Affiliation City:	FOLSOM
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	93245
Affiliation Phone:	8312279099,

C17 **CEMEX CONSTRUCTION MATERIALS PACIFIC LLC** **CUPA Listings** **S106103880**
SSW **1000 S 19TH AVE** **EMI** **N/A**
< 1/8 **LEMOORE, CA 93245** **NPDES**
0.089 mi. **WDS**
470 ft. **Site 6 of 7 in cluster C** **CIWQS**

Relative: **Lower**
Actual: **221 ft.**

CUPA KINGS:

Name:	CEMEX CONSTRUCTION MATERIALS PACIFIC, LLC
Address:	1000 S 19TH AVE
City,State,Zip:	CA 93245
Region:	KING
Facility Id:	FA0002876
Status:	I
PE:	2113
Mailing Address 1:	2365 IRON POINT ROAD, SUITE 120
Mailing State:	CA
Mailing Zip:	95630
Decode of Fstatus:	InActive
Mailing Name:	CEMEX CONSTRUCTION MATERIALS PACIFIC, LLC
Name:	CEMEX CONSTRUCTION MATERIALS PACIFIC, LLC
Address:	1000 S 19TH AVE
City,State,Zip:	CA 93245
Region:	KING
Facility Id:	FA0002876
Status:	A
PE:	2227
Mailing Address 1:	2365 IRON POINT ROAD, SUITE 120
Mailing State:	CA
Mailing Zip:	95630
Decode of Fstatus:	Active
Mailing Name:	CEMEX CONSTRUCTION MATERIALS PACIFIC, LLC

EMI:

Name:	CEMEX CONSTRUCTION MATERIALS LP
Address:	1000 S 19TH AVE
City,State,Zip:	LEMOORE, CA 932459773
Year:	2006
County Code:	16
Air Basin:	SJV

CEMEX CONSTRUCTION MATERIALS PACIFIC LLC (Continued) **S106103880**

Facility ID:	4170
Air District Name:	SJU
SIC Code:	3273
Air District Name:	SAN JOAQUIN VALLEY UNIFIED APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	0
Reactive Organic Gases Tons/Yr:	0
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	.0539239722449261739
Part. Matter 10 Micrometers and Smllr Tons/Yr:	.04961005446533208

Name:	CEMEX CONSTRUCTION MATERIALS LP
Address:	1000 S 19TH AVE
City,State,Zip:	LEMOORE, CA 932459773
Year:	2007
County Code:	16
Air Basin:	SJV
Facility ID:	4170
Air District Name:	SJU
SIC Code:	3273
Air District Name:	SAN JOAQUIN VALLEY UNIFIED APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	0
Reactive Organic Gases Tons/Yr:	0
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	.0539239722449261739
Part. Matter 10 Micrometers and Smllr Tons/Yr:	.04961005446533208

Name:	CEMEX CONSTRUCTION MATERIALS PACIFIC LLC
Address:	1000 S 19TH AVE
City,State,Zip:	LEMOORE, CA 93245
Year:	2008
County Code:	16
Air Basin:	SJV
Facility ID:	4170
Air District Name:	SJU
SIC Code:	3273
Air District Name:	SAN JOAQUIN VALLEY UNIFIED APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	0
Reactive Organic Gases Tons/Yr:	0
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	.309302
Part. Matter 10 Micrometers and Smllr Tons/Yr:	.28455784

Name:	CEMEX CONSTRUCTION MATERIALS PACIFIC LLC
Address:	1000 S 19TH AVE
City,State,Zip:	LEMOORE, CA 93245

CEMEX CONSTRUCTION MATERIALS PACIFIC LLC (Continued) **S106103880**

Year:	2009
County Code:	16
Air Basin:	SJV
Facility ID:	4170
Air District Name:	SJU
SIC Code:	3273
Air District Name:	SAN JOAQUIN VALLEY UNIFIED APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	0
Reactive Organic Gases Tons/Yr:	0
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0.169813228260869
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0.15622817

Name:	CEMEX CONSTRUCTION MATERIALS PACIFIC LLC
Address:	1000 S 19TH AVE
City,State,Zip:	LEMOORE, CA 93245
Year:	2010
County Code:	16
Air Basin:	SJV
Facility ID:	4170
Air District Name:	SJU
SIC Code:	3273
Air District Name:	SAN JOAQUIN VALLEY UNIFIED APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	0
Reactive Organic Gases Tons/Yr:	0
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0.18499672826086899
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0.17019698999999999

Name:	CEMEX CONSTRUCTION MATERIALS PACIFIC LLC
Address:	1000 S 19TH AVE
City,State,Zip:	LEMOORE, CA 93245
Year:	2011
County Code:	16
Air Basin:	SJV
Facility ID:	4170
Air District Name:	SJU
SIC Code:	3273
Air District Name:	SAN JOAQUIN VALLEY UNIFIED APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	0
Reactive Organic Gases Tons/Yr:	0
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0.19405163043
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0.1785275

CEMEX CONSTRUCTION MATERIALS PACIFIC LLC (Continued) **S106103880**

Name:	CEMEX CONSTRUCTION MATERIALS PACIFIC LLC
Address:	1000 S 19TH AVE
City,State,Zip:	LEMOORE, CA 93245
Year:	2012
County Code:	16
Air Basin:	SJV
Facility ID:	4170
Air District Name:	SJU
SIC Code:	3273
Air District Name:	SAN JOAQUIN VALLEY UNIFIED APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	0
Reactive Organic Gases Tons/Yr:	0
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0.24909467391
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0.2291671

Name:	CEMEX CONSTRUCTION MATERIALS PACIFIC LLC
Address:	1000 S 19TH AVE
City,State,Zip:	LEMOORE, CA 93245
Year:	2013
County Code:	16
Air Basin:	SJV
Facility ID:	4170
Air District Name:	SJU
SIC Code:	3273
Air District Name:	SAN JOAQUIN VALLEY UNIFIED APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	0
Reactive Organic Gases Tons/Yr:	0
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0.3612789
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0.14451156

Name:	CEMEX CONSTRUCTION MATERIALS PACIFIC LLC
Address:	1000 S 19TH AVE
City,State,Zip:	LEMOORE, CA 93245
Year:	2014
County Code:	16
Air Basin:	SJV
Facility ID:	4170
Air District Name:	SJU
SIC Code:	3273
Air District Name:	SAN JOAQUIN VALLEY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	0
Reactive Organic Gases Tons/Yr:	0
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0

CEMEX CONSTRUCTION MATERIALS PACIFIC LLC (Continued) **S106103880**

Particulate Matter Tons/Yr: 0.59349135
Part. Matter 10 Micrometers and Smllr Tons/Yr: 0.23739654

Name: CEMEX CONSTRUCTION MATERIALS PACIFIC LLC
Address: 1000 S 19TH AVE
City,State,Zip: LEMOORE, CA 93245
Year: 2015
County Code: 16
Air Basin: SJV
Facility ID: 4170
Air District Name: SJU
SIC Code: 3273
Air District Name: SAN JOAQUIN VALLEY APCD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 0
Reactive Organic Gases Tons/Yr: 0
Carbon Monoxide Emissions Tons/Yr: 0
NOX - Oxides of Nitrogen Tons/Yr: 0
SOX - Oxides of Sulphur Tons/Yr: 0
Particulate Matter Tons/Yr: 0.59349135
Part. Matter 10 Micrometers and Smllr Tons/Yr: 0.23739654

Name: CEMEX CONSTRUCTION MATERIALS PACIFIC LLC
Address: 1000 S 19TH AVE
City,State,Zip: LEMOORE, CA 93245
Year: 2016
County Code: 16
Air Basin: SJV
Facility ID: 4170
Air District Name: SJU
SIC Code: 3273
Air District Name: SAN JOAQUIN VALLEY APCD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: Not reported
Reactive Organic Gases Tons/Yr: Not reported
Carbon Monoxide Emissions Tons/Yr: Not reported
NOX - Oxides of Nitrogen Tons/Yr: Not reported
SOX - Oxides of Sulphur Tons/Yr: Not reported
Particulate Matter Tons/Yr: 0.6141235825
Part. Matter 10 Micrometers and Smllr Tons/Yr: 0.245649433

Name: CEMEX CONSTRUCTION MATERIALS PACIFIC LLC
Address: 1000 S 19TH AVE
City,State,Zip: LEMOORE, CA 93245
Year: 2017
County Code: 16
Air Basin: SJV
Facility ID: 4170
Air District Name: SJU
SIC Code: 3273
Air District Name: SAN JOAQUIN VALLEY APCD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: Not reported
Reactive Organic Gases Tons/Yr: Not reported

CEMEX CONSTRUCTION MATERIALS PACIFIC LLC (Continued) **S106103880**

Carbon Monoxide Emissions Tons/Yr: Not reported
NOX - Oxides of Nitrogen Tons/Yr: Not reported
SOX - Oxides of Sulphur Tons/Yr: Not reported
Particulate Matter Tons/Yr: 0.7945855275
Part. Matter 10 Micrometers and Smllr Tons/Yr: 0.317834211

Name: CEMEX CONSTRUCTION MATERIALS PACIFIC LLC
Address: 1000 S 19TH AVE
City,State,Zip: LEMOORE, CA 93245
Year: 2018
County Code: 16
Air Basin: SJV
Facility ID: 4170
Air District Name: SJU
SIC Code: 3273
Air District Name: SAN JOAQUIN VALLEY APCD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: Not reported
Reactive Organic Gases Tons/Yr: Not reported
Carbon Monoxide Emissions Tons/Yr: Not reported
NOX - Oxides of Nitrogen Tons/Yr: Not reported
SOX - Oxides of Sulphur Tons/Yr: Not reported
Particulate Matter Tons/Yr: 1.29962802
Part. Matter 10 Micrometers and Smllr Tons/Yr: 0.519851208

Name: CEMEX CONSTRUCTION MATERIALS PACIFIC LLC
Address: 1000 S 19TH AVE
City,State,Zip: LEMOORE, CA 93245
Year: 2019
County Code: 16
Air Basin: SJV
Facility ID: 4170
Air District Name: SJU
SIC Code: 3273
Air District Name: SAN JOAQUIN VALLEY APCD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: Not reported
Reactive Organic Gases Tons/Yr: Not reported
Carbon Monoxide Emissions Tons/Yr: Not reported
NOX - Oxides of Nitrogen Tons/Yr: Not reported
SOX - Oxides of Sulphur Tons/Yr: Not reported
Particulate Matter Tons/Yr: 1.7174198
Part. Matter 10 Micrometers and Smllr Tons/Yr: 0.68696792

Name: CEMEX CONSTRUCTION MATERIALS PACIFIC LLC
Address: 1000 S 19TH AVE
City,State,Zip: LEMOORE, CA 93245
Year: 2020
County Code: 16
Air Basin: SJV
Facility ID: 4170
Air District Name: SJU
SIC Code: 3273
Air District Name: SAN JOAQUIN VALLEY APCD
Community Health Air Pollution Info System: Not reported

CEMEX CONSTRUCTION MATERIALS PACIFIC LLC (Continued) **S106103880**

Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	Not reported
Reactive Organic Gases Tons/Yr:	Not reported
Carbon Monoxide Emissions Tons/Yr:	Not reported
NOX - Oxides of Nitrogen Tons/Yr:	Not reported
SOX - Oxides of Sulphur Tons/Yr:	Not reported
Particulate Matter Tons/Yr:	1.3223674875
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0.528946995

NPDES:

Name:	CEMEX CONSTRUCTION MATERIALS PACIFIC LLC
Address:	1000 S 19TH AVE
City,State,Zip:	LEMOORE, CA 93245
Facility Status:	Not reported
NPDES Number:	Not reported
Region:	Not reported
Agency Number:	Not reported
Regulatory Measure ID:	Not reported
Place ID:	Not reported
Order Number:	Not reported
WDID:	5F16I018194
Regulatory Measure Type:	Industrial
Program Type:	Not reported
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	Not reported
Expiration Date Of Regulatory Measure:	Not reported
Discharge Address:	Not reported
Discharge Name:	Not reported
Discharge City:	Not reported
Discharge State:	Not reported
Discharge Zip:	Not reported
Status:	Active
Status Date:	06/17/2003
Operator Name:	Cemex Construction Materials Pacific LLC
Operator Address:	4120 E Jurupa St
Operator City:	Ontario
Operator State:	California
Operator Zip:	91761

NPDES as of 03/2018:

NPDES Number:	CAS000001
Status:	Active
Agency Number:	0
Region:	5F
Regulatory Measure ID:	196344
Order Number:	97-03-DWQ
Regulatory Measure Type:	Enrollee
Place ID:	Not reported
WDID:	5F16I018194
Program Type:	Industrial
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	06/17/2003
Expiration Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	Not reported
Discharge Name:	Cemex Construction Materials Pacific LLC
Discharge Address:	3990 Concours Ste 200

CEMEX CONSTRUCTION MATERIALS PACIFIC LLC (Continued) **S106103880**

Discharge City:	Ontario
Discharge State:	California
Discharge Zip:	91764
Received Date:	Not reported
Processed Date:	Not reported
Status:	Not reported
Status Date:	Not reported
Place Size:	Not reported
Place Size Unit:	Not reported
Contact:	Not reported
Contact Title:	Not reported
Contact Phone:	Not reported
Contact Phone Ext:	Not reported
Contact Email:	Not reported
Operator Name:	Not reported
Operator Address:	Not reported
Operator City:	Not reported
Operator State:	Not reported
Operator Zip:	Not reported
Operator Contact:	Not reported
Operator Contact Title:	Not reported
Operator Contact Phone:	Not reported
Operator Contact Phone Ext:	Not reported
Operator Contact Email:	Not reported
Operator Type:	Not reported
Developer:	Not reported
Developer Address:	Not reported
Developer City:	Not reported
Developer State:	Not reported
Developer Zip:	Not reported
Developer Contact:	Not reported
Developer Contact Title:	Not reported
Constype Linear Utility Ind:	Not reported
Emergency Phone:	Not reported
Emergency Phone Ext:	Not reported
Constype Above Ground Ind:	Not reported
Constype Below Ground Ind:	Not reported
Constype Cable Line Ind:	Not reported
Constype Comm Line Ind:	Not reported
Constype Commertial Ind:	Not reported
Constype Electrical Line Ind:	Not reported
Constype Gas Line Ind:	Not reported
Constype Industrial Ind:	Not reported
Constype Other Description:	Not reported
Constype Other Ind:	Not reported
Constype Recons Ind:	Not reported
Constype Residential Ind:	Not reported
Constype Transport Ind:	Not reported
Constype Utility Description:	Not reported
Constype Utility Ind:	Not reported
Constype Water Sewer Ind:	Not reported
Dir Discharge Uswater Ind:	Not reported
Receiving Water Name:	Not reported
Certifier:	Not reported
Certifier Title:	Not reported
Certification Date:	Not reported
Primary Sic:	Not reported

CEMEX CONSTRUCTION MATERIALS PACIFIC LLC (Continued) **S106103880**

Secondary Sic:	Not reported
Tertiary Sic:	Not reported
NPDES Number:	Not reported
Status:	Not reported
Agency Number:	Not reported
Region:	5F
Regulatory Measure ID:	196344
Order Number:	Not reported
Regulatory Measure Type:	Industrial
Place ID:	Not reported
WDID:	5F16I018194
Program Type:	Not reported
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	Not reported
Expiration Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	Not reported
Discharge Name:	Not reported
Discharge Address:	Not reported
Discharge City:	Not reported
Discharge State:	Not reported
Discharge Zip:	Not reported
Received Date:	05/09/2008
Processed Date:	06/17/2003
Status:	Active
Status Date:	06/17/2003
Place Size:	8
Place Size Unit:	Acres
Contact:	Richard Schmaling
Contact Title:	Not reported
Contact Phone:	559-469-7804
Contact Phone Ext:	Not reported
Contact Email:	Richard.Schmaling@cemex.com
Operator Name:	Cemex Construction Materials Pacific LLC
Operator Address:	3990 Concours Ste 200
Operator City:	Ontario
Operator State:	California
Operator Zip:	91764
Operator Contact:	Shelley Huskey
Operator Contact Title:	Not reported
Operator Contact Phone:	217-454-3542
Operator Contact Phone Ext:	Not reported
Operator Contact Email:	shelleyk.huskey@cemex.com
Operator Type:	Private Business
Developer:	Not reported
Developer Address:	Not reported
Developer City:	Not reported
Developer State:	California
Developer Zip:	Not reported
Developer Contact:	Not reported
Developer Contact Title:	Not reported
Constype Linear Utility Ind:	Not reported
Emergency Phone:	559-469-7804
Emergency Phone Ext:	Not reported
Constype Above Ground Ind:	Not reported
Constype Below Ground Ind:	Not reported
Constype Cable Line Ind:	Not reported

CEMEX CONSTRUCTION MATERIALS PACIFIC LLC (Continued) **S106103880**

Constype Comm Line Ind:	Not reported
Constype Commertial Ind:	Not reported
Constype Electrical Line Ind:	Not reported
Constype Gas Line Ind:	Not reported
Constype Industrial Ind:	Not reported
Constype Other Description:	Not reported
Constype Other Ind:	Not reported
Constype Recons Ind:	Not reported
Constype Residential Ind:	Not reported
Constype Transport Ind:	Not reported
Constype Utility Description:	Not reported
Constype Utility Ind:	Not reported
Constype Water Sewer Ind:	Not reported
Dir Discharge Uswater Ind:	N
Receiving Water Name:	Tulare Lake Basin
Certifier:	Brian Mastin
Certifier Title:	VP OF OPERATIVE SUPPORT
Certification Date:	31-AUG-15
Primary Sic:	3273-Ready-Mixed Concrete
Secondary Sic:	Not reported
Tertiary Sic:	Not reported

Name:	CEMEX CONSTRUCTION MATERIALS PACIFIC LLC
Address:	1000 S 19TH AVE
City,State,Zip:	LEMOORE, CA 93245
Facility Status:	Active
NPDES Number:	CAS000001
Region:	5F
Agency Number:	0
Regulatory Measure ID:	196344
Place ID:	Not reported
Order Number:	97-03-DWQ
WDID:	5F16I018194
Regulatory Measure Type:	Enrollee
Program Type:	Industrial
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	06/17/2003
Termination Date Of Regulatory Measure:	Not reported
Expiration Date Of Regulatory Measure:	Not reported
Discharge Address:	4120 E Jurupa St
Discharge Name:	Cemex Construction Materials Pacific LLC
Discharge City:	Ontario
Discharge State:	California
Discharge Zip:	91761
Status:	Not reported
Status Date:	Not reported
Operator Name:	Not reported
Operator Address:	Not reported
Operator City:	Not reported
Operator State:	Not reported
Operator Zip:	Not reported

NPDES as of 03/2018:

NPDES Number:	CAS000001
Status:	Active
Agency Number:	0
Region:	5F

CEMEX CONSTRUCTION MATERIALS PACIFIC LLC (Continued) **S106103880**

Regulatory Measure ID:	196344
Order Number:	97-03-DWQ
Regulatory Measure Type:	Enrollee
Place ID:	Not reported
WDID:	5F16I018194
Program Type:	Industrial
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	06/17/2003
Expiration Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	Not reported
Discharge Name:	Cemex Construction Materials Pacific LLC
Discharge Address:	3990 Concours Ste 200
Discharge City:	Ontario
Discharge State:	California
Discharge Zip:	91764
Received Date:	Not reported
Processed Date:	Not reported
Status:	Not reported
Status Date:	Not reported
Place Size:	Not reported
Place Size Unit:	Not reported
Contact:	Not reported
Contact Title:	Not reported
Contact Phone:	Not reported
Contact Phone Ext:	Not reported
Contact Email:	Not reported
Operator Name:	Not reported
Operator Address:	Not reported
Operator City:	Not reported
Operator State:	Not reported
Operator Zip:	Not reported
Operator Contact:	Not reported
Operator Contact Title:	Not reported
Operator Contact Phone:	Not reported
Operator Contact Phone Ext:	Not reported
Operator Contact Email:	Not reported
Operator Type:	Not reported
Developer:	Not reported
Developer Address:	Not reported
Developer City:	Not reported
Developer State:	Not reported
Developer Zip:	Not reported
Developer Contact:	Not reported
Developer Contact Title:	Not reported
Constype Linear Utility Ind:	Not reported
Emergency Phone:	Not reported
Emergency Phone Ext:	Not reported
Constype Above Ground Ind:	Not reported
Constype Below Ground Ind:	Not reported
Constype Cable Line Ind:	Not reported
Constype Comm Line Ind:	Not reported
Constype Commertial Ind:	Not reported
Constype Electrical Line Ind:	Not reported
Constype Gas Line Ind:	Not reported
Constype Industrial Ind:	Not reported
Constype Other Description:	Not reported
Constype Other Ind:	Not reported

CEMEX CONSTRUCTION MATERIALS PACIFIC LLC (Continued) **S106103880**

Constype Recons Ind:	Not reported
Constype Residential Ind:	Not reported
Constype Transport Ind:	Not reported
Constype Utility Description:	Not reported
Constype Utility Ind:	Not reported
Constype Water Sewer Ind:	Not reported
Dir Discharge Uswater Ind:	Not reported
Receiving Water Name:	Not reported
Certifier:	Not reported
Certifier Title:	Not reported
Certification Date:	Not reported
Primary Sic:	Not reported
Secondary Sic:	Not reported
Tertiary Sic:	Not reported
NPDES Number:	Not reported
Status:	Not reported
Agency Number:	Not reported
Region:	5F
Regulatory Measure ID:	196344
Order Number:	Not reported
Regulatory Measure Type:	Industrial
Place ID:	Not reported
WDID:	5F16I018194
Program Type:	Not reported
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	Not reported
Expiration Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	Not reported
Discharge Name:	Not reported
Discharge Address:	Not reported
Discharge City:	Not reported
Discharge State:	Not reported
Discharge Zip:	Not reported
Received Date:	05/09/2008
Processed Date:	06/17/2003
Status:	Active
Status Date:	06/17/2003
Place Size:	8
Place Size Unit:	Acres
Contact:	Richard Schmaling
Contact Title:	Not reported
Contact Phone:	559-469-7804
Contact Phone Ext:	Not reported
Contact Email:	Richard.Schmaling@cemex.com
Operator Name:	Cemex Construction Materials Pacific LLC
Operator Address:	3990 Concours Ste 200
Operator City:	Ontario
Operator State:	California
Operator Zip:	91764
Operator Contact:	Shelley Huskey
Operator Contact Title:	Not reported
Operator Contact Phone:	217-454-3542
Operator Contact Phone Ext:	Not reported
Operator Contact Email:	shelleyk.huskey@cemex.com
Operator Type:	Private Business
Developer:	Not reported

CEMEX CONSTRUCTION MATERIALS PACIFIC LLC (Continued) **S106103880**

Developer Address:	Not reported
Developer City:	Not reported
Developer State:	California
Developer Zip:	Not reported
Developer Contact:	Not reported
Developer Contact Title:	Not reported
Constype Linear Utility Ind:	Not reported
Emergency Phone:	559-469-7804
Emergency Phone Ext:	Not reported
Constype Above Ground Ind:	Not reported
Constype Below Ground Ind:	Not reported
Constype Cable Line Ind:	Not reported
Constype Comm Line Ind:	Not reported
Constype Commertial Ind:	Not reported
Constype Electrical Line Ind:	Not reported
Constype Gas Line Ind:	Not reported
Constype Industrial Ind:	Not reported
Constype Other Description:	Not reported
Constype Other Ind:	Not reported
Constype Recons Ind:	Not reported
Constype Residential Ind:	Not reported
Constype Transport Ind:	Not reported
Constype Utility Description:	Not reported
Constype Utility Ind:	Not reported
Constype Water Sewer Ind:	Not reported
Dir Discharge Uswater Ind:	N
Receiving Water Name:	Tulare Lake Basin
Certifier:	Brian Mastin
Certifier Title:	VP OF OPERATIVE SUPPORT
Certification Date:	31-AUG-15
Primary Sic:	3273-Ready-Mixed Concrete
Secondary Sic:	Not reported
Tertiary Sic:	Not reported

WDS:

Name:	ATM LEMOORE PLANT NO 276
Address:	1000 S 19th Ave
City:	LEMOORE
Facility ID:	5F 16I018194
Facility Type:	Industrial - Facility that treats and/or disposes of liquid or semisolid wastes from any servicing, producing, manufacturing or processing operation of whatever nature, including mining, gravel washing, geothermal operations, air conditioning, ship building and repairing, oil production, storage and disposal operations, water pumping.
Facility Status:	Active - Any facility with a continuous or seasonal discharge that is under Waste Discharge Requirements.
NPDES Number:	CAS000001 The 1st 2 characters designate the state. The remaining 7 are assigned by the Regional Board
Subregion:	0
Facility Telephone:	2099937464
Facility Contact:	Mike Courtright
Agency Name:	AMERICAN TRANSIT MIX CO
Agency Address:	318 Beard Ave
Agency City,St,Zip:	Modesto 953544000
Agency Contact:	LARSEN JERRY

CEMEX CONSTRUCTION MATERIALS PACIFIC LLC (Continued) **S106103880**

Agency Telephone:	2095246322
Agency Type:	Private
SIC Code:	0
SIC Code 2:	Not reported
Primary Waste Type:	Not reported
Primary Waste:	Not reported
Waste Type2:	Not reported
Waste2:	Not reported
Primary Waste Type:	Not reported
Secondary Waste:	Not reported
Secondary Waste Type:	Not reported
Design Flow:	0
Baseline Flow:	0
Reclamation:	Not reported
POTW:	Not reported
Treat To Water:	Minor Threat to Water Quality. A violation of a regional board order should cause a relatively minor impairment of beneficial uses compared to a major or minor threat. Not: All nurds without a TTWQ will be considered a minor threat to water quality unless coded at a higher Level. A Zero (0) may be used to code those NURDS that are found to represent no threat to water quality.
Complexity:	Category C - Facilities having no waste treatment systems, such as cooling water dischargers or thosewho must comply through best management practices, facilities with passive waste treatment and disposal systems, such as septic systems with subsurface disposal, or dischargers having waste storage systems with land disposal such as dairy waste ponds.

CIWQS:

Name:	CEMEX CONSTRUCTION MATERIALS PACIFIC LLC
Address:	1000 S 19TH AVE
City,State,Zip:	LEMOORE, CA 93245
Agency:	Cemex Construction Materials Pacific LLC
Agency Address:	4120 E Jurupa St Ste 202, Ontario, CA 91761
Place/Project Type:	Industrial - Ready-Mixed Concrete
SIC/NAICS:	3273
Region:	5F
Program:	INDSTW
Regulatory Measure Status:	Active
Regulatory Measure Type:	Storm water industrial
Order Number:	2014-0057-DWQ
WDID:	5F16I018194
NPDES Number:	CAS000001
Adoption Date:	Not reported
Effective Date:	06/17/2003
Termination Date:	Not reported
Expiration/Review Date:	Not reported
Design Flow:	Not reported
Major/Minor:	Not reported
Complexity:	Not reported
TTWQ:	Not reported
Enforcement Actions within 5 years:	0
Violations within 5 years:	0
Latitude:	36.28434
Longitude:	-119.79892

D18
WSW
< 1/8
0.094 mi.
496 ft.

BENNETT ENVIRONMENTAL INC
955 S COMMERCE WAY
LEMOORE, CA 93245

Site 1 of 5 in cluster D

RCRA NonGen / NLR

1025873335
CAL000446461

Relative:
Lower

Actual:
221 ft.

RCRA Listings:

Date Form Received by Agency:		20190604
Handler Name:	BENNETT ENVIRONMENTAL	INC
Handler Address:		955 S COMMERCE WAY
Handler City,State,Zip:		LEMOORE, CA 93245
EPA ID:		CAL000446461
Contact Name:		GARTH IRONS
Contact Address:		955 S COMMERCE WAY
Contact City,State,Zip:		LEMOORE, CA 93245
Contact Telephone:		559-289-5800
Contact Fax:		559-372-8983
Contact Email:		GARTH.IRONS@BENNETTWATERSYSTEMS.COM
Contact Title:		Not reported
EPA Region:		09
Land Type:		Not reported
Federal Waste Generator Description:		Not a generator, verified
Non-Notifier:		Not reported
Biennial Report Cycle:		Not reported
Accessibility:		Not reported
Active Site Indicator:		Handler Activities
State District Owner:		Not reported
State District:		Not reported
Mailing Address:		955 S COMMERCE WAY
Mailing City,State,Zip:		LEMOORE, CA 93245
Owner Name:	BENNETT ENVIRONMENTAL	INC
Owner Type:		Other
Operator Name:	GARTH IRONS	
Operator Type:		Other
Short-Term Generator Activity:		No
Importer Activity:		No
Mixed Waste Generator:		No
Transporter Activity:		No
Transfer Facility Activity:		No
Recycler Activity with Storage:		Yes
Small Quantity On-Site Burner Exemption:		No
Smelting Melting and Refining Furnace Exemption:		No
Underground Injection Control:		No
Off-Site Waste Receipt:		No
Universal Waste Indicator:		Yes
Universal Waste Destination Facility:		Yes
Federal Universal Waste:		No
Active Site Fed-Reg Treatment Storage and Disposal Facility:		Not reported
Active Site Converter Treatment storage and Disposal Facility:		Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:		Not reported
Active Site State-Reg Handler:		---
Federal Facility Indicator:		Not reported
Hazardous Secondary Material Indicator:		N
Sub-Part K Indicator:		Not reported
Commercial TSD Indicator:		No
Treatment Storage and Disposal Type:		Not reported
2018 GPRA Permit Baseline:		Not on the Baseline
2018 GPRA Renewals Baseline:		Not on the Baseline
Permit Renewals Workload Universe:		Not reported

BENNETT ENVIRONMENTAL INC (Continued) **1025873335**

Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required: Not reported	
Handler Date of Last Change:	20190628
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Handler - Owner Operator:

Owner/Operator Indicator:	Owner
Owner/Operator Name: BENNETT ENVIRONMENTAL INC	
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	955 S COMMERCE WAY
Owner/Operator City,State,Zip:	LEMOORE, CA 93245
Owner/Operator Telephone:	559-582-9336
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Operator
Owner/Operator Name: GARTH IRONS	
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	955 S COMMERCE WAY
Owner/Operator City,State,Zip:	LEMOORE, CA 93245
Owner/Operator Telephone:	559-289-5800
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

BENNETT ENVIRONMENTAL INC (Continued) **1025873335**

Historic Generators:
Receive Date: 20190604
Handler Name: BENNETT ENVIRONMENTAL INC
Federal Waste Generator Description: Not a generator, verified
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: Yes
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

List of NAICS Codes and Descriptions:
NAICS Code: 711510
NAICS Description: INDEPENDENT ARTISTS, WRITERS, AND PERFORMERS

Facility Has Received Notices of Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

D19 **VALLEY CYCLE & MARINE** **CUPA Listings** **S118469501**
WSW **955 COMMERCE WY** **N/A**
< 1/8 **LEMOORE, CA 93245**
0.094 mi.
496 ft. **Site 2 of 5 in cluster D**

Relative: **Lower**
Actual: **221 ft.**

CUPA KINGS:
Name: VALLEY CYCLE & MARINE
Address: 955 COMMERCE WY
City,State,Zip: LEMOORE, CA 932459036
Region: KING
Facility Id: FA0001690
Status: I
PE: 2101
Mailing Address 1: P O BOX 857
Mailing State: CA
Mailing Zip: 93245-0857
Decode of Fstatus: InActive
Mailing Name: BILL ROYER

Name: VALLEY CYCLE & MARINE
Address: 955 COMMERCE WY
City,State,Zip: LEMOORE, CA 932459036
Region: KING
Facility Id: FA0001690
Status: I
PE: 2113
Mailing Address 1: P O BOX 857
Mailing State: CA
Mailing Zip: 93245-0857
Decode of Fstatus: InActive

VALLEY CYCLE & MARINE (Continued) **S118469501**

Mailing Name: BILL ROYER

D20
WSW
< 1/8
0.094 mi.
496 ft.

GAR BENNETT, LLC - LEMOORE BRANCH **CERS HAZ WASTE** **S124931888**
955 S COMMERCE WAY **HWTS** **N/A**
LEMOORE, CA 93245

Site 3 of 5 in cluster D

Relative:
Lower

Actual:
221 ft.

CERS HAZ WASTE:
Name: GAR BENNETT, LLC - LEMOORE BRANCH
Address: 955 S COMMERCE WAY
City,State,Zip: LEMOORE, CA 93245
Site ID: 417198
CERS ID: 10725088
CERS Description: Hazardous Waste Generator

Evaluation:
Eval General Type: Compliance Evaluation Inspection
Eval Date: 01-18-2017
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: The facility currently generates used oil as well as drained used oil filters. Currently, the facility has Gary Burrows out of Lemoore haul off the facility's hazardous waste; however, no receipts are left when the waste is picked up. During the inspection, it was determined that the facility currently does not have California EPA identification number for their hazardous waste to be properly hauled off. As a result, documentation to obtain a CAL EPA Identification number will be emailed to the facility's environmental contact so that a number can be obtained through DTSC. Anytime when either waste oil or used oil filters are hauled off, please make sure to obtain a receipt (manifest) and retain it for 3 years. The waste oil as well as the drained used oil filters were observed properly contained on concrete.
Eval Division: Kings County Environmental Health
Eval Program: HW
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 01-18-2017
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: During today's inspection the facility's contact information along with their hazardous materials inventory was noted. The facility's information that was noted today will have to be inputted/updated into CERS. The facility currently stores the following hazardous materials onsite: 1. Oxygen- max daily amount 310 cubic feet, largest container 155 cubic feet, average daily amount 155 cubic feet. Chemical location- Inside Shop. 2. Acetylene- max daily amount 242 cubic feet, largest container 121 cubic feet, average daily amount 121 cubic feet. Chemical location- Inside Shop. 3. Used Oil Filters- max daily amount 55 gallons, largest container 55 gallons, average daily amount 30 gallons. Chemical location- East of Shop. 4. Used Oil- max daily amount 250 gallons, largest container 250 gallons, average daily amount 125 gallons. Chemical location- East of Shop. 5. Motor Oil- max daily amount 500 gallons, largest container 500 gallons, average daily amount 250 [Truncated]
Eval Division: Kings County Environmental Health
Eval Program: HMRRP

GAR BENNETT, LLC - LEMOORE BRANCH (Continued) **S124931888**

Eval Source: CERS,

Affiliation:

Affiliation Type Desc: CUPA District
Entity Name: Kings County Env Health
Entity Title: Not reported
Affiliation Address: 330 Campus Drive
Affiliation City: Hanford
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 93230
Affiliation Phone: (559) 584-1411,

Affiliation Type Desc: Document Preparer
Entity Name: Garth Irons
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: ,

Affiliation Type Desc: Environmental Contact
Entity Name: Garth Irons
Entity Title: Not reported
Affiliation Address: 8246 S Crawford Ave
Affiliation City: Reedley
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 93654
Affiliation Phone: ,

Affiliation Type Desc: Facility Mailing Address
Entity Name: Mailing Address
Entity Title: Not reported
Affiliation Address: 8246 Crawford Ave
Affiliation City: Reedley
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 93654
Affiliation Phone: ,

Affiliation Type Desc: Identification Signer
Entity Name: Garth Irons
Entity Title: Regulatory and Security
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: ,

Affiliation Type Desc: Operator
Entity Name: GAR Bennett, LLC - Lemoore Branch
Entity Title: Not reported
Affiliation Address: Not reported

GAR BENNETT, LLC - LEMOORE BRANCH (Continued) **S124931888**

Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	(559) 582-9336,
Affiliation Type Desc:	Property Owner
Entity Name:	Bennett Family Trust
Entity Title:	Not reported
Affiliation Address:	229 E. Redwood St.
Affiliation City:	Hanford
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	93230
Affiliation Phone:	(559) 289-5806,
Affiliation Type Desc:	Legal Owner
Entity Name:	GAR Bennett, LLC
Entity Title:	Not reported
Affiliation Address:	8246 Crawford Ave
Affiliation City:	Reedley
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	93654
Affiliation Phone:	(559) 289-5800,
Affiliation Type Desc:	Parent Corporation
Entity Name:	GAR Bennett
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	,

HWTS:

Name:	GAR BENNETT LLC - LEMOORE
Address:	955 S COMMERCE WAY
Address 2:	Not reported
City,State,Zip:	LEMOORE, CA 93245
EPA ID:	CAL000455622
Inactive Date:	Not reported
Create Date:	07/15/2020
Last Act Date:	Not reported
Mailing Name:	Not reported
Mailing Address:	8246 S CRAWFORD AVE
Mailing Address 2:	Not reported
Mailing City,State,Zip:	REEDLEY, CA 93654
Owner Name:	GAR BENNETT LLC
Owner Address:	8246 S CRAWFORD AVE
Owner Address 2:	Not reported
Owner City,State,Zip:	REEDLEY, CA 93654
Contact Name:	GARTH IRONS
Contact Address:	8246 CRAWFORD AVE
Contact Address 2:	Not reported

GAR BENNETT, LLC - LEMOORE BRANCH (Continued) **S124931888**

City,State,Zip: REEDLEY, CA 93654
Facility Status: Active
Facility Type: PERMANENT
Category: STATE
Latitude: 36.28311999
Longitude: -119.8039

NAICS:
EPA ID: CAL000455622
Create Date: 2020-07-15 11:54:47.757
NAICS Code: 238910
NAICS Description: Site Preparation Contractors
Issued EPA ID Date: 2020-07-15 11:54:47.74000
Inactive Date: Not reported
Facility Name: GAR BENNETT, LLC
Facility Address: 955 s commerce way
Facility Address 2: Not reported
Facility City: LEMOORE
Facility County: Not reported
Facility State: CA
Facility Zip: 93245

EPA ID: CAL000455622
Create Date: 2020-07-15 11:54:47.757
NAICS Code: 238910
NAICS Description: Site Preparation Contractors
Issued EPA ID Date: 2020-07-15 11:54:47.74000
Inactive Date: Not reported
Facility Name: GAR BENNETT, LLC
Facility Address: 955 s commerce way
Facility Address 2: Not reported
Facility City: LEMOORE
Facility County: Not reported
Facility State: CA
Facility Zip: 93245

Name: BENNETT ENVIRONMENTAL INC
Address: 955 S COMMERCE WAY
Address 2: Not reported
City,State,Zip: LEMOORE, CA 93245
EPA ID: CAL000446461
Inactive Date: 06/30/2020
Create Date: 06/04/2019
Last Act Date: Not reported
Mailing Name: Not reported
Mailing Address: 955 S COMMERCE WAY
Mailing Address 2: Not reported
Mailing City,State,Zip: LEMOORE, CA 93245
Owner Name: TYLER BENNETT
Owner Address: 955 S COMMERCE WAY
Owner Address 2: Not reported
Owner City,State,Zip: LEMOORE, CA 93245
Contact Name: GARTH IRONS
Contact Address: 10538 14TH AVE
Contact Address 2: Not reported
City,State,Zip: ARMONA, CA 93202
Facility Status: Inactive

GAR BENNETT, LLC - LEMOORE BRANCH (Continued) **S124931888**

Facility Type:	PERMANENT
Category:	STATE
Latitude:	36.283122
Longitude:	-119.8039005
NAICS:	
EPA ID:	CAL000446461
Create Date:	2019-06-04 16:03:53.787
NAICS Code:	711510
NAICS Description:	Independent Artists, Writers, and Performers
Issued EPA ID Date:	2019-06-04 16:03:53.78700
Inactive Date:	2020-06-30 00:00:00
Facility Name:	BENNETT ENVIRONMENTAL INC
Facility Address:	955 S COMMERCE WAY
Facility Address 2:	Not reported
Facility City:	LEMOORE
Facility County:	Not reported
Facility State:	CA
Facility Zip:	93245

D21 **GAR BENNETT LLC** **RCRA NonGen / NLR** **1026490884**
WSW **955 S COMMERCE WAY** **CAL000455622**
< 1/8 **LEMOORE, CA 93245**
0.094 mi.
496 ft. **Site 4 of 5 in cluster D**

Relative: **Lower**

Actual: **221 ft.**

RCRA Listings:

Date Form Received by Agency:		20200715
Handler Name:	GAR BENNETT LLC	
Handler Address:		955 S COMMERCE WAY
Handler City,State,Zip:		LEMOORE, CA 93245
EPA ID:		CAL000455622
Contact Name:		GARTH IRONS
Contact Address:		8246 S CRAWFORD AVE
Contact City,State,Zip:		REEDLEY, CA 93654
Contact Telephone:		559-289-5800
Contact Fax:		Not reported
Contact Email:		GARTH.IRONS@BENNETTWATERSYSTEMS.COM
Contact Title:		Not reported
EPA Region:		09
Land Type:		Not reported
Federal Waste Generator Description:		Not a generator, verified
Non-Notifier:		Not reported
Biennial Report Cycle:		Not reported
Accessibility:		Not reported
Active Site Indicator:		Not reported
State District Owner:		Not reported
State District:		Not reported
Mailing Address:		8246 S CRAWFORD AVE
Mailing City,State,Zip:		REEDLEY, CA 93654
Owner Name:	GAR BENNETT LLC	
Owner Type:		Other
Operator Name:	GARTH IRONS	
Operator Type:		Other
Short-Term Generator Activity:		No
Importer Activity:		No
Mixed Waste Generator:		No

GAR BENNETT LLC (Continued) **1026490884**

Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	No
Universal Waste Destination Facility:	No
Federal Universal Waste:	No
Active Site Fed-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site Converter Treatment storage and Disposal Facility:	Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	N
Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported
Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required: Not reported	
Handler Date of Last Change:	20200814
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Handler - Owner Operator:
Owner/Operator Indicator: Operator
Owner/Operator Name: GARTH IRONS

GAR BENNETT LLC (Continued) **1026490884**

Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	8246 S CRAWFORD AVE
Owner/Operator City,State,Zip:	REEDLEY, CA 93654
Owner/Operator Telephone:	559-289-5800
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported
Owner/Operator Indicator:	Owner
Owner/Operator Name: GAR BENNETT LLC	
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	8246 S CRAWFORD AVE
Owner/Operator City,State,Zip:	REEDLEY, CA 93654
Owner/Operator Telephone:	559-638-6311
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Historic Generators:

Receive Date:	20200715
Handler Name: GAR BENNETT LLC	
Federal Waste Generator Description:	Not a generator, verified
State District Owner:	Not reported
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	Yes
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

List of NAICS Codes and Descriptions:

NAICS Code:	238910
NAICS Description:	SITE PREPARATION CONTRACTORS

Facility Has Received Notices of Violations:

Violations:	No Violations Found

Evaluation Action Summary:

Evaluations:	No Evaluations Found

C22
SSW
< 1/8
0.097 mi.
510 ft.

Relative: Lower

Actual: 221 ft.

ARTESIA READY MIX CONCRETE CO
1000 19TH AVE
LEMOORE, CA 93245

Site 7 of 7 in cluster C

RCRA-SQG **1000819097**
FINDS **CAD983650649**
ECHO
EMI
HAZNET
CERS
HWTS

RCRA Listings:

Date Form Received by Agency:		19921020
Handler Name:	ARTESIA READY MIX CONCRETE INC	
Handler Address:		1000 19TH AVE
Handler City,State,Zip:		LEMOORE, CA 93245
EPA ID:		CAD983650649
Contact Name:		AL OLIVER
Contact Address:		P O BOX 2823
Contact City,State,Zip:		SANTA FE SPRINGS, CA 93275
Contact Telephone:		310-404-4125
Contact Fax:		Not reported
Contact Email:		Not reported
Contact Title:		Not reported
EPA Region:		09
Land Type:		Private
Federal Waste Generator Description:		Small Quantity Generator
Non-Notifier:		Not reported
Biennial Report Cycle:		Not reported
Accessibility:		Not reported
Active Site Indicator:		Handler Activities
State District Owner:		Not reported
State District:		Not reported
Mailing Address:		P O BOX 1436
Mailing City,State,Zip:		TULARE, CA 93275
Owner Name:	OLIVER FAMILY TRUST	
Owner Type:		Private
Operator Name:	Not reported	
Operator Type:		Not reported
Short-Term Generator Activity:		No
Importer Activity:		No
Mixed Waste Generator:		No
Transporter Activity:		No
Transfer Facility Activity:		No
Recycler Activity with Storage:		No
Small Quantity On-Site Burner Exemption:		No
Smelting Melting and Refining Furnace Exemption:		No
Underground Injection Control:		No
Off-Site Waste Receipt:		No
Universal Waste Indicator:		No
Universal Waste Destination Facility:		No
Federal Universal Waste:		No
Active Site Fed-Reg Treatment Storage and Disposal Facility:		Not reported
Active Site Converter Treatment storage and Disposal Facility:		Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:		Not reported
Active Site State-Reg Handler:		---
Federal Facility Indicator:		Not reported
Hazardous Secondary Material Indicator:		NN
Sub-Part K Indicator:		Not reported
Commercial TSD Indicator:		No
Treatment Storage and Disposal Type:		Not reported
2018 GPRA Permit Baseline:		Not on the Baseline

ARTESIA READY MIX CONCRETE CO (Continued) **1000819097**

2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported
Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required: Not reported	
Handler Date of Last Change:	20020627
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	Not reported
Manifest Broker:	Not reported
Sub-Part P Indicator:	No

Handler - Owner Operator:

Owner/Operator Indicator:	Owner
Owner/Operator Name: OLIVER FAMILY TRUST	
Legal Status:	Private
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	P O BOX 2823
Owner/Operator City,State,Zip:	SANTA FE SPRINGS, CA 90670
Owner/Operator Telephone:	310-404-4125
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Historic Generators:

Receive Date:	19921020
Handler Name: ARTESIA READY MIX CONCRETE INC	
Federal Waste Generator Description:	Small Quantity Generator
State District Owner:	Not reported
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No

ARTESIA READY MIX CONCRETE CO (Continued) **1000819097**

Spent Lead Acid Battery Exporter: No
Current Record: Yes
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

List of NAICS Codes and Descriptions:
NAICS Codes: No NAICS Codes Found

Facility Has Received Notices of Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

FINDS:
Registry ID: 110002886182

Click Here for FRS Facility Detail Report:

Environmental Interest/Information System:
AIR EMISSIONS CLASSIFICATION UNKNOWN
RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

ECHO:
Envid: 1000819097
Registry ID: 110002886182
DFR URL: http://echo.epa.gov/detailed-facility-report?fid=110002886182
Name: ARTESIA READY MIX CONCRETE CO
Address: 1000 19TH AVE
City,State,Zip: LEMOORE, CA 93245

EMI:
Name: ARTESIA READY MIX
Address: 1000 19TH AVE.
City,State,Zip: LEMOORE, CA 932450000
Year: 1995
County Code: 16
Air Basin: SJV
Facility ID: 62
Air District Name: SJU
SIC Code: 1442
Air District Name: SAN JOAQUIN VALLEY UNIFIED APCD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 0
Reactive Organic Gases Tons/Yr: 0
Carbon Monoxide Emissions Tons/Yr: 0

ARTESIA READY MIX CONCRETE CO (Continued) **1000819097**

NOX - Oxides of Nitrogen Tons/Yr: 0
SOX - Oxides of Sulphur Tons/Yr: 0
Particulate Matter Tons/Yr: 0
Part. Matter 10 Micrometers and Smllr Tons/Yr: 0

Name: ARTESIA READY MIX CONCRETE CO.
Address: 1000 19TH AVE
City,State,Zip: LEMOORE, CA 932450000
Year: 1996
County Code: 16
Air Basin: SJV
Facility ID: 62
Air District Name: SJU
SIC Code: 1442
Air District Name: SAN JOAQUIN VALLEY UNIFIED APCD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 0
Reactive Organic Gases Tons/Yr: 0
Carbon Monoxide Emissions Tons/Yr: 0
NOX - Oxides of Nitrogen Tons/Yr: 0
SOX - Oxides of Sulphur Tons/Yr: 0
Particulate Matter Tons/Yr: 0
Part. Matter 10 Micrometers and Smllr Tons/Yr: 0

Name: ARTESIA READY MIX CONCRETE CO.
Address: 1000 19TH AVE
City,State,Zip: LEMOORE, CA 932450000
Year: 1997
County Code: 16
Air Basin: SJV
Facility ID: 62
Air District Name: SJU
SIC Code: 1442
Air District Name: SAN JOAQUIN VALLEY UNIFIED APCD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 0
Reactive Organic Gases Tons/Yr: 0
Carbon Monoxide Emissions Tons/Yr: 0
NOX - Oxides of Nitrogen Tons/Yr: 0
SOX - Oxides of Sulphur Tons/Yr: 0
Particulate Matter Tons/Yr: 0
Part. Matter 10 Micrometers and Smllr Tons/Yr: 0

Name: ARTESIA READY MIX CONCRETE CO.
Address: 1000 19TH AVE
City,State,Zip: LEMOORE, CA 932450000
Year: 1998
County Code: 16
Air Basin: SJV
Facility ID: 62
Air District Name: SJU
SIC Code: 3273
Air District Name: SAN JOAQUIN VALLEY UNIFIED APCD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported

ARTESIA READY MIX CONCRETE CO (Continued) **1000819097**

Total Organic Hydrocarbon Gases Tons/Yr: 0
Reactive Organic Gases Tons/Yr: 0
Carbon Monoxide Emissions Tons/Yr: 0
NOX - Oxides of Nitrogen Tons/Yr: 0
SOX - Oxides of Sulphur Tons/Yr: 0
Particulate Matter Tons/Yr: 0
Part. Matter 10 Micrometers and Smllr Tons/Yr: 0

Name: ARTESIA READY MIX CONCRETE CO.
Address: 1000 19TH AVE
City,State,Zip: LEMOORE, CA 932450000
Year: 1999
County Code: 16
Air Basin: SJV
Facility ID: 62
Air District Name: SJU
SIC Code: 3273
Air District Name: SAN JOAQUIN VALLEY UNIFIED APCD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 0
Reactive Organic Gases Tons/Yr: 0
Carbon Monoxide Emissions Tons/Yr: 0
NOX - Oxides of Nitrogen Tons/Yr: 0
SOX - Oxides of Sulphur Tons/Yr: 0
Particulate Matter Tons/Yr: 0
Part. Matter 10 Micrometers and Smllr Tons/Yr: 0

Name: ARTESIA READY MIX CONCRETE CO.
Address: 1000 19TH AVE
City,State,Zip: LEMOORE, CA 932450000
Year: 2000
County Code: 16
Air Basin: SJV
Facility ID: 62
Air District Name: SJU
SIC Code: 3273
Air District Name: SAN JOAQUIN VALLEY UNIFIED APCD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 0
Reactive Organic Gases Tons/Yr: 0
Carbon Monoxide Emissions Tons/Yr: 0
NOX - Oxides of Nitrogen Tons/Yr: 0
SOX - Oxides of Sulphur Tons/Yr: 0
Particulate Matter Tons/Yr: 11
Part. Matter 10 Micrometers and Smllr Tons/Yr: 10

HAZNET:
Name: ARTESIA READY MIX CONCRETE INC
Address: 1000 19TH AVE
Address 2: Not reported
City,State,Zip: LEMOORE, CA 932450000
Contact: VERLA OLIVER/SAFETY MANAGER
Telephone: 5596861596
Mailing Name: Not reported
Mailing Address: PO BOX 1436

ARTESIA READY MIX CONCRETE CO (Continued) **1000819097**

Year: 2003
Gepaid: CAD983650649
TSD EPA ID: CAD066113465
CA Waste Code: 134 - Aqueous solution with total organic residues less than 10 percent
Disposal Method: T01 - Treatment, Tank
Tons: 0.273

Year: 2002
Gepaid: CAD983650649
TSD EPA ID: CAT000613893
CA Waste Code: 134 - Aqueous solution with total organic residues less than 10 percent
Disposal Method: T01 - Treatment, Tank
Tons: 0.1512

Year: 2002
Gepaid: CAD983650649
TSD EPA ID: CAD093459485
CA Waste Code: 134 - Aqueous solution with total organic residues less than 10 percent
Disposal Method: T01 - Treatment, Tank
Tons: 0.126

Year: 2002
Gepaid: CAD983650649
TSD EPA ID: CAD066113465
CA Waste Code: 741 - Liquids with halogenated organic compounds >= 1,000 Mg./L
Disposal Method: H01 - Transfer Station
Tons: 0.26265

Year: 2002
Gepaid: CAD983650649
TSD EPA ID: CAD066113465
CA Waste Code: 134 - Aqueous solution with total organic residues less than 10 percent
Disposal Method: T01 - Treatment, Tank
Tons: 0.084

Year: 2001
Gepaid: CAD983650649
TSD EPA ID: CAD066113465
CA Waste Code: 741 - Liquids with halogenated organic compounds >= 1,000 Mg./L
Disposal Method: H01 - Transfer Station
Tons: 0.667

Additional Info:
Year: 2003
Gen EPA ID: CAD983650649

Shipment Date: 20030401
Creation Date: 6/21/2003 18:30:56
Receipt Date: 20030401
Manifest ID: 22445185
Trans EPA ID: TXR000050930
Trans Name: Not reported

ARTESIA READY MIX CONCRETE CO (Continued) **1000819097**

Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD066113465
Trans Name:	Not reported
TSDF Alt EPA ID:	CAD066113465
TSDF Alt Name:	Not reported
Waste Code Description:	134 - Aqueous solution with <10% total organic residues
RCRA Code:	Not reported
Meth Code:	T01 - Treatment, Tank
Quantity Tons:	0.189
Waste Quantity:	45
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20030128
Creation Date:	5/18/2003 14:28:17
Receipt Date:	20030128
Manifest ID:	22115890
Trans EPA ID:	TXR000050930
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD066113465
Trans Name:	Not reported
TSDF Alt EPA ID:	CAD066113465
TSDF Alt Name:	Not reported
Waste Code Description:	134 - Aqueous solution with <10% total organic residues
RCRA Code:	Not reported
Meth Code:	T01 - Treatment, Tank
Quantity Tons:	0.084
Waste Quantity:	20
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	2002
Gen EPA ID:	CAD983650649

Shipment Date:	20021204
Creation Date:	3/15/2003 18:31:28
Receipt Date:	20021204
Manifest ID:	22197694
Trans EPA ID:	SCR000075150
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD066113465
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported

ARTESIA READY MIX CONCRETE CO (Continued) **1000819097**

TSDF Alt Name:	Not reported
Waste Code Description:	134 - Aqueous solution with <10% total organic residues
RCRA Code:	Not reported
Meth Code:	T01 - Treatment, Tank
Quantity Tons:	0.084
Waste Quantity:	20
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20020819
Creation Date:	1/31/2003 15:02:08
Receipt Date:	20020823
Manifest ID:	21748724
Trans EPA ID:	SCR000075150
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD093459485
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	134 - Aqueous solution with <10% total organic residues
RCRA Code:	Not reported
Meth Code:	T01 - Treatment, Tank
Quantity Tons:	0.126
Waste Quantity:	30
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20020624
Creation Date:	1/14/2003 18:31:21
Receipt Date:	20020627
Manifest ID:	21730663
Trans EPA ID:	SCR000075150
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT000613893
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	134 - Aqueous solution with <10% total organic residues
RCRA Code:	Not reported
Meth Code:	T01 - Treatment, Tank
Quantity Tons:	0.1512
Waste Quantity:	36
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported

ARTESIA READY MIX CONCRETE CO (Continued) **1000819097**

Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20020503
Creation Date:	7/29/2002 18:40:54
Receipt Date:	20020503
Manifest ID:	21589297
Trans EPA ID:	SCR000075150
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD066113465
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	741 - Liquids with halogenated organic compounds > 1000 mg/l
RCRA Code:	D001
Meth Code:	H01 - Transfer Station
Quantity Tons:	0.14595
Waste Quantity:	35
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20020111
Creation Date:	2/26/2002 0:00:00
Receipt Date:	20020111
Manifest ID:	21328544
Trans EPA ID:	SCR000075150
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD066113465
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	741 - Liquids with halogenated organic compounds > 1000 mg/l
RCRA Code:	D001
Meth Code:	H01 - Transfer Station
Quantity Tons:	0.1167
Waste Quantity:	28
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	2001
Gen EPA ID:	CAD983650649
Shipment Date:	20010921

ARTESIA READY MIX CONCRETE CO (Continued) **1000819097**

Creation Date:	12/17/2001 0:00:00
Receipt Date:	20010921
Manifest ID:	21450580
Trans EPA ID:	SCR000075150
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD066113465
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	741 - Liquids with halogenated organic compounds > 1000 mg/l
RCRA Code:	D001
Meth Code:	H01 - Transfer Station
Quantity Tons:	0.1334
Waste Quantity:	32
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20010726
Creation Date:	10/1/2001 0:00:00
Receipt Date:	20010726
Manifest ID:	21103001
Trans EPA ID:	SCR000075150
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD066113465
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	741 - Liquids with halogenated organic compounds > 1000 mg/l
RCRA Code:	D001
Meth Code:	H01 - Transfer Station
Quantity Tons:	0.1334
Waste Quantity:	32
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20010531
Creation Date:	7/30/2001 0:00:00
Receipt Date:	20010531
Manifest ID:	20652457
Trans EPA ID:	SCR000075150
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD066113465
Trans Name:	Not reported

ARTESIA READY MIX CONCRETE CO (Continued) **1000819097**

TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	741 - Liquids with halogenated organic compounds > 1000 mg/l
RCRA Code:	D001
Meth Code:	H01 - Transfer Station
Quantity Tons:	0.1501
Waste Quantity:	36
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20010405
Creation Date:	5/31/2001 0:00:00
Receipt Date:	20010405
Manifest ID:	20618848
Trans EPA ID:	SCR000075150
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD066113465
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	741 - Liquids with halogenated organic compounds > 1000 mg/l
RCRA Code:	D001
Meth Code:	H01 - Transfer Station
Quantity Tons:	0.1334
Waste Quantity:	32
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20010206
Creation Date:	4/9/2001 0:00:00
Receipt Date:	20010206
Manifest ID:	99800098
Trans EPA ID:	SCR000075150
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD066113465
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	741 - Liquids with halogenated organic compounds > 1000 mg/l
RCRA Code:	D001
Meth Code:	H01 - Transfer Station
Quantity Tons:	0.1167
Waste Quantity:	28
Quantity Unit:	G
Additional Code 1:	Not reported

ARTESIA READY MIX CONCRETE CO (Continued) **1000819097**

Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

CERS:
Name: ARTESIA READY MIX CONCRETE CO
Address: 1000 19TH AVE
City,State,Zip: LEMOORE, CA 93245-9773
Site ID: 452369
CERS ID: 110002886182
CERS Description: US EPA Air Emission Inventory System (EIS)

Affiliation:
Affiliation Type Desc: Environmental Contact
Entity Name: AL OLIVER
Entity Title: Not reported
Affiliation Address: POBOX 2823
Affiliation City: SANTAFESPRING
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: ,

HWTS:
Name: ARTESIA READY MIX CONCRETE INC
Address: 1000 19TH AVE
Address 2: Not reported
City,State,Zip: LEMOORE, CA 93245
EPA ID: CAD983650649
Inactive Date: 06/30/2002
Create Date: 10/20/1992
Last Act Date: Not reported
Mailing Name: Not reported
Mailing Address: PO BOX 1436
Mailing Address 2: Not reported
Mailing City,State,Zip: TULARE, CA 932751436
Owner Name: OLIVER FAMILY TRUST
Owner Address: PO BOX 2823
Owner Address 2: Not reported
Owner City,State,Zip: SANTA FE SPRINGS, CA 906700000
Contact Name: VERLA OLIVER/SAFETY MANAGER
Contact Address: PO BOX 1436
Contact Address 2: Not reported
City,State,Zip: TULARE, CA 932751436
Facility Status: Inactive
Facility Type: PERMANENT
Category: FEDERAL
Latitude: 36.304312
Longitude: -119.798904

E23
ESE
< 1/8
0.113 mi.
598 ft.

ECONONMY AUTO WRECKING
977 W IONA
LEMOORE, CA 93245

Site 1 of 3 in cluster E

RCRA NonGen / NLR | **1024873879** / **CAL000442532**

Relative:
Higher

Actual:
223 ft.

RCRA Listings:

Date Form Received by Agency:		20190122
Handler Name:	ECONONMY AUTO WRECKING	
Handler Address:		977 W IONA
Handler City,State,Zip:		LEMOORE, CA 93245
EPA ID:		CAL000442532
Contact Name:		SIDEFREDO CERVANTES
Contact Address:		977 W IONA
Contact City,State,Zip:		LEMOORE, CA 93245
Contact Telephone:		559-924-1285
Contact Fax:		559-924-1045
Contact Email:		EAW977@ATT.NET
Contact Title:		Not reported
EPA Region:		09
Land Type:		Not reported
Federal Waste Generator Description:		Not a generator, verified
Non-Notifier:		Not reported
Biennial Report Cycle:		Not reported
Accessibility:		Not reported
Active Site Indicator:		Handler Activities
State District Owner:		Not reported
State District:		Not reported
Mailing Address:		977 W IONA
Mailing City,State,Zip:		LEMOORE, CA 93245
Owner Name:	SIDEFREDO CERVANTES	
Owner Type:		Other
Operator Name:	SIDEFREDO CERVANTES	
Operator Type:		Other
Short-Term Generator Activity:		No
Importer Activity:		No
Mixed Waste Generator:		No
Transporter Activity:		No
Transfer Facility Activity:		No
Recycler Activity with Storage:		No
Small Quantity On-Site Burner Exemption:		No
Smelting Melting and Refining Furnace Exemption:		No
Underground Injection Control:		No
Off-Site Waste Receipt:		No
Universal Waste Indicator:		Yes
Universal Waste Destination Facility:		Yes
Federal Universal Waste:		No
Active Site Fed-Reg Treatment Storage and Disposal Facility:		Not reported
Active Site Converter Treatment storage and Disposal Facility:		Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:		Not reported
Active Site State-Reg Handler:		---
Federal Facility Indicator:		Not reported
Hazardous Secondary Material Indicator:		N
Sub-Part K Indicator:		Not reported
Commercial TSD Indicator:		No
Treatment Storage and Disposal Type:		Not reported
2018 GPRA Permit Baseline:		Not on the Baseline
2018 GPRA Renewals Baseline:		Not on the Baseline
Permit Renewals Workload Universe:		Not reported

ECONONMY AUTO WRECKING (Continued) **1024873879**

Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required: Not reported	
Handler Date of Last Change:	20190222
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Handler - Owner Operator:

Owner/Operator Indicator:	Owner
Owner/Operator Name: SIDEFREDO CERVANTES	
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	977 W IONA
Owner/Operator City,State,Zip:	LEMOORE, CA 93245
Owner/Operator Telephone:	559-924-1285
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Operator
Owner/Operator Name: SIDEFREDO CERVANTES	
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	977 W IONA
Owner/Operator City,State,Zip:	LEMOORE, CA 93245
Owner/Operator Telephone:	559-924-1285
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

ECONONMY AUTO WRECKING (Continued) **1024873879**

Historic Generators:
Receive Date: 20190122
Handler Name: ECONONMY AUTO WRECKING
Federal Waste Generator Description: Not a generator, verified
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: Yes
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

List of NAICS Codes and Descriptions:
NAICS Code: 811111
NAICS Description: GENERAL AUTOMOTIVE REPAIR

Facility Has Received Notices of Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

E24 **ECONOMY AUTO WRECKING** **CERS HAZ WASTE** **S110761290**
ESE **977 W IONA AVE** **CUPA Listings** **N/A**
< 1/8 **LEMOORE, CA 93245** **CERS**
0.113 mi. **HWTS**
598 ft. **Site 2 of 3 in cluster E**

Relative: Higher
Actual: 223 ft.

CERS HAZ WASTE:
Name: ECONOMY AUTO WRECKING
Address: 977 W IONA AVE
City,State,Zip: LEMOORE, CA 93245
Site ID: 392009
CERS ID: 10462906
CERS Description: Hazardous Waste Generator

CUPA KINGS:
Name: ECONOMY AUTO WRECKING
Address: 977 W IONA AVE
City,State,Zip: LEMOORE, CA 93245
Region: KING
Facility Id: FA0000646
Status: I
PE: 2113
Mailing Address 1: 977 W IONA
Mailing State: CA
Mailing Zip: 93245
Decode of Fstatus: InActive
Mailing Name: WILLIAM O MARX

Name: ECONOMY AUTO WRECKING
Address: 977 W IONA AVE

ECONOMY AUTO WRECKING (Continued) **S110761290**

City,State,Zip: LEMOORE, CA 93245
Region: KING
Facility Id: FA0000646
Status: A
PE: 2226
Mailing Address 1: 977 W IONA
Mailing State: CA
Mailing Zip: 93245
Decode of Fstatus: Active
Mailing Name: WILLIAM O MARX

CERS:
Name: ECONOMY AUTO WRECKING
Address: 977 W IONA AVE
City,State,Zip: LEMOORE, CA 93245
Site ID: 392009
CERS ID: 10462906
CERS Description: Chemical Storage Facilities

Violations:
Site ID: 392009
Site Name: Economy Auto Wrecking
Violation Date: 01-28-2016
Citation: 22 CCR 12 66262.34(d) - California Code of Regulations, Title 22, Chapter 12, Section(s) 66262.34(d)
Violation Description: Failure to dispose of hazardous waste within 180 days (or 270 if waste is transported over 200 miles) for the generator who generates less than 1000 kilogram per month, but more than 100 kilograms per month.
Violation Notes: Returned to compliance on 02/12/2016. The operator notified that the hazardous waste oil has been accumulated for more than a year. Per state law, the maximum accumulation time for this facility is 180 days. Please contact a registered hazardous waste hauler to remove the hazardous waste oil within 30 days.
Violation Division: Kings County Environmental Health
Violation Program: HW
Violation Source: CERS,

Site ID: 392009
Site Name: Economy Auto Wrecking
Violation Date: 01-28-2016
Citation: HSC 6.95 25508(d) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(d)
Violation Description: Failure to complete and/or electronically submit a business plan when storing/handling a hazardous material at or above reportable quantities.
Violation Notes: Returned to compliance on 03/10/2016. The owner/operator has not completed a complete Hazardous Materials Business Plan (HMBP). Please submit a complete plan on CERS (California Environmental Reporting System) within 30 days.
Violation Division: Kings County Environmental Health
Violation Program: HMRRP
Violation Source: CERS,

Site ID: 392009
Site Name: Economy Auto Wrecking
Violation Date: 01-28-2016
Citation: 22 CCR 15 66265.51 - California Code of Regulations, Title 22, Chapter

ECONOMY AUTO WRECKING (Continued) **S110761290**

15, Section(s) 66265.51
Violation Description: Failure to prepare and implement a Contingency Plan to minimize human hazards or threat to the environment and to carry out the provisions of the plan whenever there is a fire, explosion, or any unplanned sudden or non-sudden release of hazardous waste or hazardous waste constituents which could threaten human health or the environment.
Violation Notes: Returned to compliance on 03/10/2016. The owner/opeartor has not submitted an Emergency Response/Contingency Plan on CERS (California Environmental Reporting System). Please submit this information within 30 days.
Violation Division: Kings County Environmental Health
Violation Program: HW
Violation Source: CERS,

Site ID: 392009
Site Name: Economy Auto Wrecking
Violation Date: 01-28-2016
Citation: HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Description: Failure to complete and electronically submit a site map with all required content.
Violation Notes: Returned to compliance on 03/10/2016. The site map currently submitted on CERS (California Environmental Reporting system) does not contain access and exit points, evacuation staging area, hazardous material storage areas, and location of emergency response equipment. Please revise the map and submit it on CERS within 30 days.
Violation Division: Kings County Environmental Health
Violation Program: HMRRP
Violation Source: CERS,

Site ID: 392009
Site Name: Economy Auto Wrecking
Violation Date: 01-28-2016
Citation: 22 CCR 12 66262.40(a) - California Code of Regulations, Title 22, Chapter 12, Section(s) 66262.40(a)
Violation Description: Failure to maintain uniform hazardous waste manifest, consolidated manifest, or bills of lading copies for three years.
Violation Notes: Returned to compliance on 02/02/2016. The facility operator did not have copies of all the hazardous waste manifest for past three years. The copy of the latest hazardous waste manifest that the opeartor had was dated 06/12/13. The state law requires this facility to maintain these records for past three years.
Violation Division: Kings County Environmental Health
Violation Program: HW
Violation Source: CERS,

Evaluation:
Eval General Type: Compliance Evaluation Inspection
Eval Date: 01-28-2016
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Kings County Environmental Health
Eval Program: HW
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection

ECONOMY AUTO WRECKING (Continued) **S110761290**

Eval Date: 01-28-2016
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Kings County Environmental Health
Eval Program: HMRRP
Eval Source: CERS,

Enforcement Action:
Site ID: 392009
Site Name: Economy Auto Wrecking
Site Address: 977 W IONA AVE
Site City: LEMOORE
Site Zip: 93245
Enf Action Date: 01-28-2016
Enf Action Type: Notice of Violation (Unified Program)
Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes: Not reported
Enf Action Division: Kings County Environmental Health
Enf Action Program: HMRRP
Enf Action Source: CERS,

Site ID: 392009
Site Name: Economy Auto Wrecking
Site Address: 977 W IONA AVE
Site City: LEMOORE
Site Zip: 93245
Enf Action Date: 01-28-2016
Enf Action Type: Notice of Violation (Unified Program)
Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes: Not reported
Enf Action Division: Kings County Environmental Health
Enf Action Program: HW
Enf Action Source: CERS,

Coordinates:
Site ID: 392009
Facility Name: Economy Auto Wrecking
Env Int Type Code: HMBP
Program ID: 10462906
Coord Name: Not reported
Ref Point Type Desc: Center of a facility or station.,
Latitude: 36.282570
Longitude: -119.794880

Affiliation:
Affiliation Type Desc: CUPA District
Entity Name: Kings County Env Health
Entity Title: Not reported
Affiliation Address: 330 Campus Drive
Affiliation City: Hanford
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 93230
Affiliation Phone: (559) 584-1411,

ECONOMY AUTO WRECKING (Continued) **S110761290**

Affiliation Type Desc:	Facility Mailing Address
Entity Name:	Mailing Address
Entity Title:	Not reported
Affiliation Address:	977 W Iona Ave
Affiliation City:	Lemoore
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	93245
Affiliation Phone:	,

Affiliation Type Desc:	Parent Corporation
Entity Name:	Economy Auto Wrecking
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	,

Affiliation Type Desc:	Environmental Contact
Entity Name:	Sijefredo Cervantes Cerda
Entity Title:	Not reported
Affiliation Address:	977 W Iona Ave
Affiliation City:	Lemoore
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	93245
Affiliation Phone:	,

Affiliation Type Desc:	Identification Signer
Entity Name:	WILLIAM MARX
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	,

Affiliation Type Desc:	Document Preparer
Entity Name:	WILLIAM MARX
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	,

Affiliation Type Desc:	Legal Owner
Entity Name:	William O Marx
Entity Title:	Not reported
Affiliation Address:	977 W Iona Ave
Affiliation City:	Lemoore
Affiliation State:	CA
Affiliation Country:	United States

ECONOMY AUTO WRECKING (Continued) **S110761290**

Affiliation Zip:	93245
Affiliation Phone:	(818) 219-1108,
Affiliation Type Desc:	Operator
Entity Name:	Sijefredo Cervantes Cerda
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	(818) 219-1108,

HWTS:

Name:	ECONOMY AUTO WRECKING
Address:	977 W IONA AVE
Address 2:	Not reported
City,State,Zip:	LEMOORE, CA 93245
EPA ID:	CAL000096242
Inactive Date:	Not reported
Create Date:	01/05/1993
Last Act Date:	Not reported
Mailing Name:	Not reported
Mailing Address:	598 VINE ST
Mailing Address 2:	Not reported
Mailing City,State,Zip:	LEMOORE, CA 932450000
Owner Name:	WILLIAM MARX
Owner Address:	598 VINE ST
Owner Address 2:	Not reported
Owner City,State,Zip:	LEMOORE, CA 932450000
Contact Name:	WILLIAM MARX
Contact Address:	598 VINE ST
Contact Address 2:	Not reported
City,State,Zip:	LEMOORE, CA 93245
Facility Status:	Active
Facility Type:	PERMANENT
Category:	STATE
Latitude:	36.283981
Longitude:	-119.747506

NAICS:

EPA ID:	CAL000096242
Create Date:	2004-10-20 10:23:57.043
NAICS Code:	42114
NAICS Description:	Motor Vehicle Parts (Used) Wholesalers
Issued EPA ID Date:	1993-01-05 00:00:00
Inactive Date:	2020-06-30 00:00:00
Facility Name:	ECONOMY AUTO WRECKING
Facility Address:	977 W IONA AVE
Facility Address 2:	Not reported
Facility City:	LEMOORE
Facility County:	Not reported
Facility State:	CA
Facility Zip:	932450000

E25 **ECONOMY AUTO WRECKING** **RCRA NonGen / NLR** **1025865855**
ESE **977 W IONA AVE** **CAL000096242**
< 1/8 **LEMOORE, CA 93245**
0.113 mi.
598 ft. **Site 3 of 3 in cluster E**

Relative: **Higher**
Actual: **223 ft.**

RCRA Listings:

Date Form Received by Agency:		20191008
Handler Name:	ECONOMY AUTO WRECKING	
Handler Address:		977 W IONA AVE
Handler City,State,Zip:		LEMOORE, CA 93245-0000
EPA ID:		CAL000096242
Contact Name:		WILLIAM MARX
Contact Address:		598 VINE ST
Contact City,State,Zip:		LEMOORE, CA 93245
Contact Telephone:		559-924-1285
Contact Fax:		Not reported
Contact Email:		TRANSPRO@ATT.NET
Contact Title:		Not reported
EPA Region:		09
Land Type:		Private
Federal Waste Generator Description:		Not a generator, verified
Non-Notifier:		Not reported
Biennial Report Cycle:		Not reported
Accessibility:		Not reported
Active Site Indicator:		Not reported
State District Owner:		Not reported
State District:		Not reported
Mailing Address:		598 VINE ST
Mailing City,State,Zip:		LEMOORE, CA 93245-0000
Owner Name:	WILLIAM MARX	
Owner Type:		Other
Operator Name:	WILLIAM MARX	
Operator Type:		Other
Short-Term Generator Activity:		No
Importer Activity:		No
Mixed Waste Generator:		No
Transporter Activity:		No
Transfer Facility Activity:		No
Recycler Activity with Storage:		No
Small Quantity On-Site Burner Exemption:		No
Smelting Melting and Refining Furnace Exemption:		No
Underground Injection Control:		No
Off-Site Waste Receipt:		No
Universal Waste Indicator:		No
Universal Waste Destination Facility:		No
Federal Universal Waste:		No
Active Site Fed-Reg Treatment Storage and Disposal Facility:		Not reported
Active Site Converter Treatment storage and Disposal Facility:		Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:		Not reported
Active Site State-Reg Handler:		---
Federal Facility Indicator:		Not reported
Hazardous Secondary Material Indicator:		N
Sub-Part K Indicator:		Not reported
Commercial TSD Indicator:		No
Treatment Storage and Disposal Type:		Not reported
2018 GPRA Permit Baseline:		Not on the Baseline
2018 GPRA Renewals Baseline:		Not on the Baseline
Permit Renewals Workload Universe:		Not reported

ECONOMY AUTO WRECKING (Continued) **1025865855**

Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required: Not reported	
Handler Date of Last Change:	20191016
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Handler - Owner Operator:

Owner/Operator Indicator:	Owner
Owner/Operator Name: WILLIAM MARX	
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	598 VINE ST
Owner/Operator City,State,Zip:	LEMOORE, CA 93245-0000
Owner/Operator Telephone:	559-924-1285
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Operator
Owner/Operator Name: WILLIAM MARX	
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	598 VINE ST
Owner/Operator City,State,Zip:	LEMOORE, CA 93245
Owner/Operator Telephone:	559-924-1285
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

ECONOMY AUTO WRECKING (Continued) **1025865855**

Historic Generators:
Receive Date: 20191008
Handler Name: ECONOMY AUTO WRECKING
Federal Waste Generator Description: Not a generator, verified
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: Yes
Non Storage Recycler Activity: No
Electronic Manifest Broker: No

List of NAICS Codes and Descriptions:
NAICS Code: 42314
NAICS Description: MOTOR VEHICLE PARTS (USED) MERCHANT WHOLESALERS

Facility Has Received Notices of Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

D26 **BENNETT & BENNETT IRRIGATION** **CUPA Listings** **S120044750**
West **995 COMMERCE WY** **N/A**
1/8-1/4 **LEMOORE, CA 93245**
0.145 mi.
765 ft. **Site 5 of 5 in cluster D**

Relative:
Lower

Actual:
220 ft.

CUPA KINGS:
Name: BENNETT & BENNETT IRRIGATION
Address: 995 COMMERCE WY
City,State,Zip: LEMOORE, CA 93245
Region: KING
Facility Id: FA0004770
Status: A
PE: 2227
Mailing Address 1: 955 S. COMMERCE
Mailing State: CA
Mailing Zip: 93245
Decode of Fstatus: Active
Mailing Name: BENNETT & BENNETT IRRIGATION

F27 **MCCANN & SONS HAY SERVICE** **RCRA NonGen / NLR** **1024829453**
West **1356 W IONA AVE** **CAL000362674**
1/8-1/4 **LEMOORE, CA 93245**
0.152 mi.
803 ft. **Site 1 of 2 in cluster F**

Relative: **Lower**

Actual: **221 ft.**

RCRA Listings:

Date Form Received by Agency:		20110411
Handler Name:	MCCANN & SONS HAY SERVICE	
Handler Address:		1356 W IONA AVE
Handler City,State,Zip:		LEMOORE, CA 93245-9716
EPA ID:		CAL000362674
Contact Name:		GAYCINA MCCANN
Contact Address:		1356 W IONA AVE
Contact City,State,Zip:		LEMOORE, CA 93245
Contact Telephone:		559-925-9110
Contact Fax:		559-925-9122
Contact Email:		GAYCINA@MCCANNAG.COM
Contact Title:		Not reported
EPA Region:		09
Land Type:		Not reported
Federal Waste Generator Description:		Not a generator, verified
Non-Notifier:		Not reported
Biennial Report Cycle:		Not reported
Accessibility:		Not reported
Active Site Indicator:		Handler Activities
State District Owner:		Not reported
State District:		Not reported
Mailing Address:		1356 W IONA AVE
Mailing City,State,Zip:		LEMOORE, CA 93245-9716
Owner Name:	JAMES M MCCANN JR	
Owner Type:		Other
Operator Name:	GAYCINA MCCANN	
Operator Type:		Other
Short-Term Generator Activity:		No
Importer Activity:		No
Mixed Waste Generator:		No
Transporter Activity:		No
Transfer Facility Activity:		No
Recycler Activity with Storage:		No
Small Quantity On-Site Burner Exemption:		No
Smelting Melting and Refining Furnace Exemption:		No
Underground Injection Control:		No
Off-Site Waste Receipt:		No
Universal Waste Indicator:		Yes
Universal Waste Destination Facility:		Yes
Federal Universal Waste:		No
Active Site Fed-Reg Treatment Storage and Disposal Facility:		Not reported
Active Site Converter Treatment storage and Disposal Facility:		Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:		Not reported
Active Site State-Reg Handler:		---
Federal Facility Indicator:		Not reported
Hazardous Secondary Material Indicator:		N
Sub-Part K Indicator:		Not reported
Commercial TSD Indicator:		No
Treatment Storage and Disposal Type:		Not reported
2018 GPRA Permit Baseline:		Not on the Baseline
2018 GPRA Renewals Baseline:		Not on the Baseline
Permit Renewals Workload Universe:		Not reported

MCCANN & SONS HAY SERVICE (Continued) **1024829453**

Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required: Not reported	
Handler Date of Last Change:	20180905
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Handler - Owner Operator:

Owner/Operator Indicator:	Owner
Owner/Operator Name: JAMES M MCCANN JR	
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	21157 FAIRFAX AVENUE
Owner/Operator City,State,Zip:	LEMOORE, CA 93245-9513
Owner/Operator Telephone:	559-925-9110
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Operator
Owner/Operator Name: GAYCINA MCCANN	
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	1356 W IONA AVE
Owner/Operator City,State,Zip:	LEMOORE, CA 93245
Owner/Operator Telephone:	559-925-9110
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

MCCANN & SONS HAY SERVICE (Continued) **1024829453**

Historic Generators:
Receive Date: 20110411
Handler Name: MCCANN & SONS HAY SERVICE
Federal Waste Generator Description: Not a generator, verified
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: Yes
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

List of NAICS Codes and Descriptions:
NAICS Code: 11521
NAICS Description: SUPPORT ACTIVITIES FOR ANIMAL PRODUCTION

NAICS Code: 23511
NAICS Description: PLUMBING, HEATING, AND AIR-CONDITIONING CONTRACTORS

NAICS Code: 442299
NAICS Description: ALL OTHER HOME FURNISHINGS STORES

NAICS Code: 45111
NAICS Description: SPORTING GOODS STORES

NAICS Code: 48839
NAICS Description: OTHER SUPPORT ACTIVITIES FOR WATER TRANSPORTATION

NAICS Code: 561622
NAICS Description: LOCKSMITHS

NAICS Code: 56179
NAICS Description: OTHER SERVICES TO BUILDINGS AND DWELLINGS

NAICS Code: 562991
NAICS Description: SEPTIC TANK AND RELATED SERVICES

NAICS Code: 562998
NAICS Description: ALL OTHER MISCELLANEOUS WASTE MANAGEMENT SERVICES

NAICS Code: 71151
NAICS Description: INDEPENDENT ARTISTS, WRITERS, AND PERFORMERS

NAICS Code: 811211
NAICS Description: CONSUMER ELECTRONICS REPAIR AND MAINTENANCE

NAICS Code: 811212
NAICS Description: COMPUTER AND OFFICE MACHINE REPAIR AND MAINTENANCE

NAICS Code: 811219
NAICS Description: OTHER ELECTRONIC AND PRECISION EQUIPMENT REPAIR AND MAINTENANCE

NAICS Code: 81131
NAICS Description: COMMERCIAL AND INDUSTRIAL MACHINERY AND EQUIPMENT (EXCEPT AUTOMOTIVE

MCCANN & SONS HAY SERVICE (Continued) **1024829453**

AND ELECTRONIC) REPAIR AND MAINTENANCE

NAICS Code: 811411
NAICS Description: HOME AND GARDEN EQUIPMENT REPAIR AND MAINTENANCE

NAICS Code: 811412
NAICS Description: APPLIANCE REPAIR AND MAINTENANCE

NAICS Code: 81143
NAICS Description: FOOTWEAR AND LEATHER GOODS REPAIR

NAICS Code: 81149
NAICS Description: OTHER PERSONAL AND HOUSEHOLD GOODS REPAIR AND MAINTENANCE

Facility Has Received Notices of Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

F28 **MCCANN & SONS HAY SERVICE** **CERS HAZ WASTE** **S111346998**
West **1356 W IONA AVE** **CUPA Listings** **N/A**
1/8-1/4 **LEMOORE, CA 93245** **HAZNET**
0.152 mi. **CERS**
803 ft. **Site 2 of 2 in cluster F** **HWTS**

Relative: Lower
Actual: 221 ft.

CERS HAZ WASTE:
Name: MCCANN & SONS HAY SERVICE
Address: 1356 W IONA AVE
City,State,Zip: LEMOORE, CA 93245
Site ID: 47376
CERS ID: 10468111
CERS Description: Hazardous Waste Generator

CUPA KINGS:
Name: MCCANN & SONS HAY SERVICE
Address: 1356 W IONA AVE
City,State,Zip: LEMOORE, CA 93245
Region: KING
Facility Id: FA0000421
Status: I
PE: 1901
Mailing Address 1: 1356 W. IONA AVENUE
Mailing State: CA
Mailing Zip: 93245
Decode of Fstatus: InActive
Mailing Name: JAMES MCCANN SR. & JAMES MCCANN JR.

Name: MCCANN & SONS HAY SERVICE
Address: 1356 W IONA AVE
City,State,Zip: LEMOORE, CA 93245
Region: KING
Facility Id: FA0000421
Status: I
PE: 2113

MCCANN & SONS HAY SERVICE (Continued) **S111346998**

Mailing Address 1:	1356 W. IONA AVENUE
Mailing State:	CA
Mailing Zip:	93245
Decode of Fstatus:	InActive
Mailing Name:	JAMES MCCANN SR. & JAMES MCCANN JR.
Name:	MCCANN & SONS HAY SERVICE
Address:	1356 W IONA AVE
City,State,Zip:	LEMOORE, CA 93245
Region:	KING
Facility Id:	FA0000421
Status:	A
PE:	2226
Mailing Address 1:	1356 W. IONA AVENUE
Mailing State:	CA
Mailing Zip:	93245
Decode of Fstatus:	Active
Mailing Name:	JAMES MCCANN SR. & JAMES MCCANN JR.

HAZNET:

Name:	MCCANN & SONS HAY SERVICE
Address:	1356 W IONA AVE
Address 2:	Not reported
City,State,Zip:	LEMOORE, CA 932459716
Contact:	GAYCINA MCCANN
Telephone:	5594693315
Mailing Name:	Not reported
Mailing Address:	689 MONTEREY LANE
Year:	2020
Gepaid:	CAL000362674
TSD EPA ID:	CAT080013352
CA Waste Code:	343 - Unspecified organic liquid mixture
Disposal Method:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Tons:	0.748
Year:	2020
Gepaid:	CAL000362674
TSD EPA ID:	AZR000520478
CA Waste Code:	352 - Other organic solids
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	0.125
Year:	2015
Gepaid:	CAL000362674
TSD EPA ID:	CAT080013352
CA Waste Code:	343 - Unspecified organic liquid mixture
Disposal Method:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Tons:	0.17

Additional Info:

Year:	2015

MCCANN & SONS HAY SERVICE (Continued) **S111346998**

Gen EPA ID:	CAL000362674
Shipment Date:	20150521
Creation Date:	8/20/2015 22:15:10
Receipt Date:	20150603
Manifest ID:	014049810JJK
Trans EPA ID:	CAD028277036
Trans Name:	ASBURY ENVIRONMENTAL SERVICES
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080013352
Trans Name:	DEMENNO / KERDOON
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	343 - Unspecified organic liquid mixture
RCRA Code:	D018
Meth Code:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Quantity Tons:	0.17
Waste Quantity:	50
Quantity Unit:	G
Additional Code 1:	D001
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

CERS:

Name:	MCCANN & SONS HAY SERVICE
Address:	1356 W IONA AVE
City,State,Zip:	LEMOORE, CA 93245
Site ID:	47376
CERS ID:	10468111
CERS Description:	Chemical Storage Facilities

Violations:

Site ID:	47376
Site Name:	McCann & Sons Hay Service
Violation Date:	04-14-2016
Citation:	HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Description:	Failure to complete and electronically submit a site map with all required content.
Violation Notes:	Returned to compliance on 04/14/2016.
Violation Division:	Kings County Environmental Health
Violation Program:	HMRRP
Violation Source:	CERS,

Site ID:	47376
Site Name:	McCann & Sons Hay Service
Violation Date:	04-14-2016
Citation:	HSC 6.95 25508.2 - California Health and Safety Code, Chapter 6.95, Section(s) 25508.2
Violation Description:	Failure to annually review and electronically certify that the business plan is complete, accurate, and up-to-date.
Violation Notes:	Returned to compliance on 04/14/2016.
Violation Division:	Kings County Environmental Health

MCCANN & SONS HAY SERVICE (Continued) **S111346998**

Violation Program: HMRRP
Violation Source: CERS,

Site ID: 47376
Site Name: McCann & Sons Hay Service
Violation Date: 04-14-2016
Citation: HSC 6.95 25508(d) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(d)
Violation Description: Failure to complete and/or electronically submit a business plan when storing/handling a hazardous material at or above reportable quantities.
Violation Notes: Returned to compliance on 04/14/2016.
Violation Division: Kings County Environmental Health
Violation Program: HMRRP
Violation Source: CERS,

Evaluation:
Eval General Type: Compliance Evaluation Inspection
Eval Date: 04-14-2016
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Facility does not fall under this program as it does not reach the 1328 gallons threshold for petroleum products.
Eval Division: Kings County Environmental Health
Eval Program: APSA
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 04-14-2016
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: CERS submittal has not been updated since 2014. Please update the inventory, site map, and contact information with in 30 days. During the inspection, there were some items in the inventory that need to be removed and the site map needs to be updated as well. Thank you.
Eval Division: Kings County Environmental Health
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 04-14-2016
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Current hauler is Asbury Environment Services 1-310-886-3400. Operator had copies of the most current manifest as well as copies of the last three years. Hauler comes as needed. Observed poor house keeping in areas where waste oil was kept. Please make sure to clean up these areas. Thank you.
Eval Division: Kings County Environmental Health
Eval Program: HW
Eval Source: CERS,

Enforcement Action:
Site ID: 47376
Site Name: McCann & Sons Hay Service
Site Address: 1356 W IONA AVE

MCCANN & SONS HAY SERVICE (Continued) **S111346998**

Site City:	LEMOORE
Site Zip:	93245
Enf Action Date:	04-14-2016
Enf Action Type:	Notice of Violation (Unified Program)
Enf Action Description:	Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes:	Not reported
Enf Action Division:	Kings County Environmental Health
Enf Action Program:	HMRRP
Enf Action Source:	CERS,

Coordinates:

Site ID:	47376
Facility Name:	McCann & Sons Hay Service
Env Int Type Code:	HWG
Program ID:	10468111
Coord Name:	Not reported
Ref Point Type Desc:	Center of a facility or station.,
Latitude:	36.284320
Longitude:	-119.801510

Affiliation:

Affiliation Type Desc:	Document Preparer
Entity Name:	Gaycina McCann
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	,

Affiliation Type Desc:	Facility Mailing Address
Entity Name:	Mailing Address
Entity Title:	Not reported
Affiliation Address:	1356 W Iona Ave
Affiliation City:	Lemoore
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	93245
Affiliation Phone:	,

Affiliation Type Desc:	Legal Owner
Entity Name:	James M McCann Jr.
Entity Title:	Not reported
Affiliation Address:	21157 Fairfax Avenue
Affiliation City:	Lemoore
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	93245
Affiliation Phone:	(559) 905-7119,

Affiliation Type Desc:	CUPA District
Entity Name:	Kings County Env Health
Entity Title:	Not reported
Affiliation Address:	330 Campus Drive
Affiliation City:	Hanford

MCCANN & SONS HAY SERVICE (Continued) **S111346998**

Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	93230
Affiliation Phone:	(559) 584-1411,
Affiliation Type Desc:	Environmental Contact
Entity Name:	Gaycina M McCann
Entity Title:	Not reported
Affiliation Address:	1356 W. Iona
Affiliation City:	Lemoore
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	93245
Affiliation Phone:	,
Affiliation Type Desc:	Identification Signer
Entity Name:	Gaycina McCann
Entity Title:	Office Manager
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	,
Affiliation Type Desc:	Property Owner
Entity Name:	James McCann
Entity Title:	Not reported
Affiliation Address:	1356 W Iona Ave
Affiliation City:	Lemoore
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	93245
Affiliation Phone:	(559) 925-9110,
Affiliation Type Desc:	Operator
Entity Name:	James McCann Jr.
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	(559) 905-7119,
Affiliation Type Desc:	Parent Corporation
Entity Name:	McCann & Sons Hay Service
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	,

MCCANN & SONS HAY SERVICE (Continued) **S111346998**

HWTS:

Name:	MCCANN & SONS HAY SERVICE
Address:	1356 W IONA AVE
Address 2:	Not reported
City,State,Zip:	LEMOORE, CA 93245
EPA ID:	CAL000362674
Inactive Date:	Not reported
Create Date:	04/11/2011
Last Act Date:	Not reported
Mailing Name:	Not reported
Mailing Address:	689 MONTEREY LANE
Mailing Address 2:	Not reported
Mailing City,State,Zip:	LEMOORE, CA 93245
Owner Name:	JAMES M MCCANN JR
Owner Address:	3001 SUNSET DR
Owner Address 2:	Not reported
Owner City,State,Zip:	EMMETT, ID 836170000
Contact Name:	GAYCINA MCCANN
Contact Address:	689 MONTEREY LANE
Contact Address 2:	Not reported
City,State,Zip:	LEMOORE, CA 93245
Facility Status:	Active
Facility Type:	PERMANENT
Category:	STATE
Latitude:	36.2839
Longitude:	-119.7975

NAICS:

EPA ID:	CAL000362674
Create Date:	2014-12-16 05:37:50.997
NAICS Code:	11521
NAICS Description:	Support Activities for Animal Production
Issued EPA ID Date:	2011-04-11 16:46:13.94300
Inactive Date:	Not reported
Facility Name:	MCCANN & SONS HAY SERVICE
Facility Address:	1356 W IONA AVE
Facility Address 2:	Not reported
Facility City:	LEMOORE
Facility County:	Not reported
Facility State:	CA
Facility Zip:	932459716

EPA ID:	CAL000362674
Create Date:	2014-12-16 05:37:50.997
NAICS Code:	23511
NAICS Description:	Plumbing, Heating, and Air-Conditioning Contractors
Issued EPA ID Date:	2011-04-11 16:46:13.94300
Inactive Date:	Not reported
Facility Name:	MCCANN & SONS HAY SERVICE
Facility Address:	1356 W IONA AVE
Facility Address 2:	Not reported
Facility City:	LEMOORE
Facility County:	Not reported
Facility State:	CA
Facility Zip:	932459716

EPA ID:	CAL000362674

MCCANN & SONS HAY SERVICE (Continued) **S111346998**

Create Date: 2014-12-16 05:37:50.997
NAICS Code: 442299
NAICS Description: All Other Home Furnishings Stores
Issued EPA ID Date: 2011-04-11 16:46:13.94300
Inactive Date: Not reported
Facility Name: MCCANN & SONS HAY SERVICE
Facility Address: 1356 W IONA AVE
Facility Address 2: Not reported
Facility City: LEMOORE
Facility County: Not reported
Facility State: CA
Facility Zip: 932459716

EPA ID: CAL000362674
Create Date: 2014-12-16 05:37:50.997
NAICS Code: 45111
NAICS Description: Sporting Goods Stores
Issued EPA ID Date: 2011-04-11 16:46:13.94300
Inactive Date: Not reported
Facility Name: MCCANN & SONS HAY SERVICE
Facility Address: 1356 W IONA AVE
Facility Address 2: Not reported
Facility City: LEMOORE
Facility County: Not reported
Facility State: CA
Facility Zip: 932459716

EPA ID: CAL000362674
Create Date: 2014-12-16 05:37:50.997
NAICS Code: 48839
NAICS Description: Other Support Activities for Water Transportation
Issued EPA ID Date: 2011-04-11 16:46:13.94300
Inactive Date: Not reported
Facility Name: MCCANN & SONS HAY SERVICE
Facility Address: 1356 W IONA AVE
Facility Address 2: Not reported
Facility City: LEMOORE
Facility County: Not reported
Facility State: CA
Facility Zip: 932459716

EPA ID: CAL000362674
Create Date: 2014-12-16 05:37:50.997
NAICS Code: 561622
NAICS Description: Locksmiths
Issued EPA ID Date: 2011-04-11 16:46:13.94300
Inactive Date: Not reported
Facility Name: MCCANN & SONS HAY SERVICE
Facility Address: 1356 W IONA AVE
Facility Address 2: Not reported
Facility City: LEMOORE
Facility County: Not reported
Facility State: CA
Facility Zip: 932459716

EPA ID: CAL000362674
Create Date: 2014-12-16 05:37:50.997

MCCANN & SONS HAY SERVICE (Continued) **S111346998**

NAICS Code:	56179
NAICS Description:	Other Services to Buildings and Dwellings
Issued EPA ID Date:	2011-04-11 16:46:13.94300
Inactive Date:	Not reported
Facility Name:	MCCANN & SONS HAY SERVICE
Facility Address:	1356 W IONA AVE
Facility Address 2:	Not reported
Facility City:	LEMOORE
Facility County:	Not reported
Facility State:	CA
Facility Zip:	932459716

EPA ID:	CAL000362674
Create Date:	2014-12-16 05:37:50.997
NAICS Code:	562991
NAICS Description:	Septic Tank and Related Services
Issued EPA ID Date:	2011-04-11 16:46:13.94300
Inactive Date:	Not reported
Facility Name:	MCCANN & SONS HAY SERVICE
Facility Address:	1356 W IONA AVE
Facility Address 2:	Not reported
Facility City:	LEMOORE
Facility County:	Not reported
Facility State:	CA
Facility Zip:	932459716

EPA ID:	CAL000362674
Create Date:	2014-12-16 05:37:50.997
NAICS Code:	562998
NAICS Description:	All Other Miscellaneous Waste Management Services
Issued EPA ID Date:	2011-04-11 16:46:13.94300
Inactive Date:	Not reported
Facility Name:	MCCANN & SONS HAY SERVICE
Facility Address:	1356 W IONA AVE
Facility Address 2:	Not reported
Facility City:	LEMOORE
Facility County:	Not reported
Facility State:	CA
Facility Zip:	932459716

EPA ID:	CAL000362674
Create Date:	2013-10-15 15:45:40.993
NAICS Code:	71151
NAICS Description:	Independent Artists, Writers, and Performers
Issued EPA ID Date:	2011-04-11 16:46:13.94300
Inactive Date:	Not reported
Facility Name:	MCCANN & SONS HAY SERVICE
Facility Address:	1356 W IONA AVE
Facility Address 2:	Not reported
Facility City:	LEMOORE
Facility County:	Not reported
Facility State:	CA
Facility Zip:	932459716

EPA ID:	CAL000362674
Create Date:	2014-12-16 05:37:50.997
NAICS Code:	811211

MCCANN & SONS HAY SERVICE (Continued) **S111346998**

NAICS Description: Consumer Electronics Repair and Maintenance
Issued EPA ID Date: 2011-04-11 16:46:13.94300
Inactive Date: Not reported
Facility Name: MCCANN & SONS HAY SERVICE
Facility Address: 1356 W IONA AVE
Facility Address 2: Not reported
Facility City: LEMOORE
Facility County: Not reported
Facility State: CA
Facility Zip: 932459716

EPA ID: CAL000362674
Create Date: 2014-12-16 05:37:50.997
NAICS Code: 811212
NAICS Description: Computer and Office Machine Repair and Maintenance
Issued EPA ID Date: 2011-04-11 16:46:13.94300
Inactive Date: Not reported
Facility Name: MCCANN & SONS HAY SERVICE
Facility Address: 1356 W IONA AVE
Facility Address 2: Not reported
Facility City: LEMOORE
Facility County: Not reported
Facility State: CA
Facility Zip: 932459716

EPA ID: CAL000362674
Create Date: 2014-12-16 05:37:50.997
NAICS Code: 811219
NAICS Description: Other Electronic and Precision Equipment Repair and Maintenance
Issued EPA ID Date: 2011-04-11 16:46:13.94300
Inactive Date: Not reported
Facility Name: MCCANN & SONS HAY SERVICE
Facility Address: 1356 W IONA AVE
Facility Address 2: Not reported
Facility City: LEMOORE
Facility County: Not reported
Facility State: CA
Facility Zip: 932459716

EPA ID: CAL000362674
Create Date: 2014-12-16 05:37:50.997
NAICS Code: 81131
NAICS Description: Commercial and Industrial Machinery and Equipment (except Automotive and Electronic) Repair and Maintenance
Issued EPA ID Date: 2011-04-11 16:46:13.94300
Inactive Date: Not reported
Facility Name: MCCANN & SONS HAY SERVICE
Facility Address: 1356 W IONA AVE
Facility Address 2: Not reported
Facility City: LEMOORE
Facility County: Not reported
Facility State: CA
Facility Zip: 932459716

EPA ID: CAL000362674
Create Date: 2014-12-16 05:37:50.997
NAICS Code: 811411

MCCANN & SONS HAY SERVICE (Continued) **S111346998**

NAICS Description: Home and Garden Equipment Repair and Maintenance
Issued EPA ID Date: 2011-04-11 16:46:13.94300
Inactive Date: Not reported
Facility Name: MCCANN & SONS HAY SERVICE
Facility Address: 1356 W IONA AVE
Facility Address 2: Not reported
Facility City: LEMOORE
Facility County: Not reported
Facility State: CA
Facility Zip: 932459716

EPA ID: CAL000362674
Create Date: 2014-12-16 05:37:50.997
NAICS Code: 811412
NAICS Description: Appliance Repair and Maintenance
Issued EPA ID Date: 2011-04-11 16:46:13.94300
Inactive Date: Not reported
Facility Name: MCCANN & SONS HAY SERVICE
Facility Address: 1356 W IONA AVE
Facility Address 2: Not reported
Facility City: LEMOORE
Facility County: Not reported
Facility State: CA
Facility Zip: 932459716

EPA ID: CAL000362674
Create Date: 2014-12-16 05:37:50.997
NAICS Code: 81143
NAICS Description: Footwear and Leather Goods Repair
Issued EPA ID Date: 2011-04-11 16:46:13.94300
Inactive Date: Not reported
Facility Name: MCCANN & SONS HAY SERVICE
Facility Address: 1356 W IONA AVE
Facility Address 2: Not reported
Facility City: LEMOORE
Facility County: Not reported
Facility State: CA
Facility Zip: 932459716

EPA ID: CAL000362674
Create Date: 2011-04-11 16:46:13.957
NAICS Code: 81149
NAICS Description: Other Personal and Household Goods Repair and Maintenance
Issued EPA ID Date: 2011-04-11 16:46:13.94300
Inactive Date: Not reported
Facility Name: MCCANN & SONS HAY SERVICE
Facility Address: 1356 W IONA AVE
Facility Address 2: Not reported
Facility City: LEMOORE
Facility County: Not reported
Facility State: CA
Facility Zip: 932459716

G29 **LEMOORE CANAL & IRRIGATION** **CUPA Listings** **S110761400**
ESE **877 W IONA AVE** **N/A**
1/8-1/4 **LEMOORE, CA 93245**
0.166 mi.
878 ft. **Site 1 of 4 in cluster G**

Relative:
Higher

Actual:
223 ft.

CUPA KINGS:

Name:	LEMOORE CANAL & IRRIGATION
Address:	877 W IONA AVE
City,State,Zip:	LEMOORE, CA 93245
Region:	KING
Facility Id:	FA0000644
Status:	I
PE:	2113
Mailing Address 1:	P O BOX 647
Mailing State:	CA
Mailing Zip:	93245
Decode of Fstatus:	InActive
Mailing Name:	LEMOORE CANAL & IRRIGATION

Name:	LEMOORE CANAL & IRRIGATION
Address:	877 W IONA AVE
City,State,Zip:	LEMOORE, CA 93245
Region:	KING
Facility Id:	FA0000644
Status:	A
PE:	2226
Mailing Address 1:	P O BOX 647
Mailing State:	CA
Mailing Zip:	93245
Decode of Fstatus:	Active
Mailing Name:	LEMOORE CANAL & IRRIGATION

G30 **LEMOORE CANAL & IRRIGATION COMPANY** **CERS HAZ WASTE** **S121785689**
ESE **877 W IONA AVE** **CERS** **N/A**
1/8-1/4 **LEMOORE, CA 93245** **HWTS**
0.166 mi.
878 ft. **Site 2 of 4 in cluster G**

Relative:
Higher

Actual:
223 ft.

CERS HAZ WASTE:

Name:	LEMOORE CANAL & IRRIGATION COMPANY
Address:	877 W IONA AVE
City,State,Zip:	LEMOORE, CA 93245
Site ID:	43985
CERS ID:	10441507
CERS Description:	Hazardous Waste Generator

CERS:

Name:	LEMOORE CANAL & IRRIGATION COMPANY
Address:	877 W IONA AVE
City,State,Zip:	LEMOORE, CA 93245
Site ID:	43985
CERS ID:	10441507
CERS Description:	Chemical Storage Facilities

Violations:

Site ID:	43985
Site Name:	Lemoore Canal & Irrigation Company
Violation Date:	08-17-2017
Citation:	HSC 6.5 25201 - California Health and Safety Code, Chapter 6.5,

LEMOORE CANAL & IRRIGATION COMPANY (Continued) **S121785689**

Section(s) 25201
Violation Description: Failure to obtain a permit or grant of interim status after generator has accumulated hazardous waste on-site for longer than 90 days.
Violation Notes: Returned to compliance on 08/22/2017. Please see the comments below. Please be sure to have waste oil picked up with in 30 days. Follow up will be conducted.
Violation Division: Kings County Environmental Health
Violation Program: HW
Violation Source: CERS,

Evaluation:
Eval General Type: Compliance Evaluation Inspection
Eval Date: 08-17-2017
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: This facility had copies of the manifests for the waste oil. The last time the hauler picked up waste oil was on 6/18/2012. Evergreen is the waste oil hauler for this site (1-800-972-5284). Operator was made aware that waste oil that has been accumulating on site must be picked up. A copy of the manifest will be sent to our office when the oil has been picked up. This facility's CAL EPA ID Number is CAL0031669.
Eval Division: Kings County Environmental Health
Eval Program: HW
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 08-17-2017
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Online CERS submittal was noted to be current and complete. The inventory was noted to be complete. All hazardous materials were observed to be properly stored. Emergency Contingency Response Plan was noted to be complete. Thank you.
Eval Division: Kings County Environmental Health
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 11-01-2019
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Conducted a routine inspection and updated the facility inventory and site map. All information is current on CERS. Thank you for your assistance during the inspection.
Eval Division: Kings County Environmental Health
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 08-19-2014
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Facility has waste oil, waste receipts were reviewed with management, EPA ID number is current. This facility produces approximately 75 gallons of waste oil a year.
Eval Division: Kings County Environmental Health
Eval Program: HW

LEMOORE CANAL & IRRIGATION COMPANY (Continued) **S121785689**

Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 08-19-2014
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Facility inspection was conducted today. This facility recently submitted their information on to the CERS data base, the submitted, CERS information was verified today, no violations noted.
Eval Division: Kings County Environmental Health
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 11-01-2019
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Conducted routine inspection and verified facility no longer stores waste oil onsite. Equipment is serviced onsite but the oil is dropped off at Garry Burrows. The 500 gallon waste oil drum will be labeled as EMPTY and no longer be used. This program will be closed for this facility.
Eval Division: Kings County Environmental Health
Eval Program: HW
Eval Source: CERS,

Enforcement Action:
Site ID: 43985
Site Name: Lemoore Canal & Irrigation Company
Site Address: 877 W IONA AVE
Site City: LEMOORE
Site Zip: 93245
Enf Action Date: 08-17-2017
Enf Action Type: Notice of Violation (Unified Program)
Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes: Not reported
Enf Action Division: Kings County Environmental Health
Enf Action Program: HW
Enf Action Source: CERS,

Coordinates:
Site ID: 43985
Facility Name: Lemoore Canal & Irrigation Company
Env Int Type Code: HWG
Program ID: 10441507
Coord Name: Not reported
Ref Point Type Desc: Center of a facility or station.,
Latitude: 36.282940
Longitude: -119.793910

Affiliation:
Affiliation Type Desc: Document Preparer
Entity Name: Ronnie Silva
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported

LEMOORE CANAL & IRRIGATION COMPANY (Continued) **S121785689**

Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	,
Affiliation Type Desc:	Facility Mailing Address
Entity Name:	Mailing Address
Entity Title:	Not reported
Affiliation Address:	P.O. Box 647
Affiliation City:	Lemoore
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	93245
Affiliation Phone:	,
Affiliation Type Desc:	Legal Owner
Entity Name:	Same as above
Entity Title:	Not reported
Affiliation Address:	P.O. Box 647
Affiliation City:	Lemoore
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	93245
Affiliation Phone:	(559) 924-1246,
Affiliation Type Desc:	CUPA District
Entity Name:	Kings County Env Health
Entity Title:	Not reported
Affiliation Address:	330 Campus Drive
Affiliation City:	Hanford
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	93230
Affiliation Phone:	(559) 584-1411,
Affiliation Type Desc:	Operator
Entity Name:	Lemoore Canal & Irrigation Company
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	(559) 924-1246,
Affiliation Type Desc:	Parent Corporation
Entity Name:	Lemoore Canal & Irrigation Company
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	,
Affiliation Type Desc:	Property Owner
Entity Name:	Lemoore Canal & Irrigation Company

LEMOORE CANAL & IRRIGATION COMPANY (Continued) **S121785689**

Entity Title:	Not reported
Affiliation Address:	P.O. Box 647
Affiliation City:	Lemoore
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	93245
Affiliation Phone:	(559) 924-1246,
Affiliation Type Desc:	Environmental Contact
Entity Name:	Ronnie Silva
Entity Title:	Not reported
Affiliation Address:	P.O. Box 647
Affiliation City:	Lemoore
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	93245
Affiliation Phone:	,
Affiliation Type Desc:	Identification Signer
Entity Name:	Ronnie Silva
Entity Title:	Manager
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	,

HWTS:

Name:	LEMOORE CANAL & IRRIGATION COMPANY
Address:	877 W IONA AVE
Address 2:	Not reported
City,State,Zip:	LEMOORE, CA 93245
EPA ID:	CAL000316569
Inactive Date:	Not reported
Create Date:	02/16/2007
Last Act Date:	Not reported
Mailing Name:	Not reported
Mailing Address:	PO BOX 647
Mailing Address 2:	Not reported
Mailing City,State,Zip:	LEMOORE, CA 932450647
Owner Name:	LEMOORE CANAL & IRRIGATION COMPANY
Owner Address:	877 W IONA AVE
Owner Address 2:	Not reported
Owner City,State,Zip:	LEMOORE, CA 932459716
Contact Name:	DANNY DRAPER
Contact Address:	877 W IONA AVE
Contact Address 2:	Not reported
City,State,Zip:	LEMOORE, CA 93245
Facility Status:	Active
Facility Type:	PERMANENT
Category:	STATE
Latitude:	36.283744
Longitude:	-119.792066

NAICS:

LEMOORE CANAL & IRRIGATION COMPANY (Continued) **S121785689**

EPA ID:	CAL000316569
Create Date:	2007-02-16 13:49:06.380
NAICS Code:	22131
NAICS Description:	Water Supply and Irrigation Systems
Issued EPA ID Date:	2007-02-16 13:49:06.35000
Inactive Date:	Not reported
Facility Name:	LEMOORE CANAL & IRRIGATION COMPANY
Facility Address:	877 W IONA AVE
Facility Address 2:	Not reported
Facility City:	LEMOORE
Facility County:	Not reported
Facility State:	CA
Facility Zip:	932459716

G31 **LEMOORE CANAL & IRRIGATION COMPANY** **RCRA NonGen / NLR** **1024816145**
ESE **877 W IONA AVE** **CAL000316569**
1/8-1/4 **LEMOORE, CA 93245**
0.166 mi.
878 ft. **Site 3 of 4 in cluster G**

Relative: **Higher**

Actual: **223 ft.**

RCRA Listings:

Date Form Received by Agency:	20070216
Handler Name:	LEMOORE CANAL & IRRIGATION COMPANY
Handler Address:	877 W IONA AVE
Handler City,State,Zip:	LEMOORE, CA 93245-9716
EPA ID:	CAL000316569
Contact Name:	DANNY DRAPER
Contact Address:	877 W IONA AVE
Contact City,State,Zip:	LEMOORE, CA 93245
Contact Telephone:	559-924-1246
Contact Fax:	559-924-1624
Contact Email:	LCIC1902@YAHOO.COM
Contact Title:	Not reported
EPA Region:	09
Land Type:	Not reported
Federal Waste Generator Description:	Not a generator, verified
Non-Notifier:	Not reported
Biennial Report Cycle:	Not reported
Accessibility:	Not reported
Active Site Indicator:	Handler Activities
State District Owner:	Not reported
State District:	Not reported
Mailing Address:	PO BOX 647
Mailing City,State,Zip:	LEMOORE, CA 93245-0647
Owner Name:	LEMOORE CANAL & IRRIGATION COMPANY
Owner Type:	Other
Operator Name:	DANNY DRAPER
Operator Type:	Other
Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No

LEMOORE CANAL & IRRIGATION COMPANY (Continued) **1024816145**

Off-Site Waste Receipt:	No
Universal Waste Indicator:	Yes
Universal Waste Destination Facility:	Yes
Federal Universal Waste:	No
Active Site Fed-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site Converter Treatment storage and Disposal Facility:	Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	N
Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported
Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required: Not reported	
Handler Date of Last Change:	20180905
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Handler - Owner Operator:

Owner/Operator Indicator:	Operator
Owner/Operator Name: DANNY DRAPER	
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	877 W IONA AVE
Owner/Operator City,State,Zip:	LEMOORE, CA 93245
Owner/Operator Telephone:	559-924-1246

LEMOORE CANAL & IRRIGATION COMPANY (Continued) **1024816145**

Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Owner
Owner/Operator Name: LEMOORE CANAL & IRRIGATION COMPANY
Legal Status: Other
Date Became Current: Not reported
Date Ended Current: Not reported
Owner/Operator Address: 877 W IONA AVE
Owner/Operator City,State,Zip: LEMOORE, CA 93245-9716
Owner/Operator Telephone: 559-924-1246
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Historic Generators:
Receive Date: 20070216
Handler Name: LEMOORE CANAL & IRRIGATION COMPANY
Federal Waste Generator Description: Not a generator, verified
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: Yes
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

List of NAICS Codes and Descriptions:
NAICS Code: 56299
NAICS Description: ALL OTHER WASTE MANAGEMENT SERVICES

Facility Has Received Notices of Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

H32 **AGUSA INC.** **CERS HAZ WASTE** **S121765107**
SSW **1055 S 19TH AVE** **CERS** **N/A**
1/8-1/4 **LEMOORE, CA 93245**
0.180 mi.
953 ft. **Site 1 of 3 in cluster H**

Relative: **Lower**
Actual: **221 ft.**

CERS HAZ WASTE:
Name: AGUSA INC.
Address: 1055 S 19TH AVE
City,State,Zip: LEMOORE, CA 93245
Site ID: 3548
CERS ID: 10447282
CERS Description: Hazardous Waste Generator

AGUSA INC. (Continued) **S121765107**

CERS:
Name: AGUSA INC.
Address: 1055 S 19TH AVE
City,State,Zip: LEMOORE, CA 93245
Site ID: 3548
CERS ID: 10447282
CERS Description: Chemical Storage Facilities

Violations:
Site ID: 3548
Site Name: Agusa Inc.
Violation Date: 09-29-2015
Citation: HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Description: Failure to complete and electronically submit hazardous material inventory information for all reportable hazardous materials on site at or above reportable quantities.
Violation Notes: Returned to compliance on 02/23/2016. During today's inspection, the following changes need to be made on CERS: 1. The maximum daily amount for the Scale & Copper Corrosion Inhibitor needs to be changed to 60 gallons and the average daily amount needs to be changed to 30 gallons. 2. The maximum daily amount for the Corrosion Inhibitor needs to be changed to 75 gallons and the average daily amount needs to be changed to 38 gallons. 3. The maximum daily amount for the Nalco 1722 needs to be changed to 110 gallons and the average daily amount needs to be changed to 55 gallons. 4. Nexguard needs to be added to the facility's HMBP. The hazardous material is located in the boiler room. The largest container and maximum daily amount is 105 gallons and the average daily amount would be 52.5 gallons. 5. Super Foam Chlor average daily amount needs to be changed to 28 gallons. 6. The maximum daily amount for the Hexane Waste needs to be changed to 55 gallons and the average daily amount needs to be changed [Truncated]
Violation Division: Kings County Environmental Health
Violation Program: HMRRP
Violation Source: CERS,

Evaluation:
Eval General Type: Compliance Evaluation Inspection
Eval Date: 09-29-2015
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: The facility's hazardous waste was observed properly secondarily contained and maintained. The facility's registered hauler is Safety-Kleen Systems, Inc. The facility had hazardous waste manifests for review during the inspection. Please make sure to maintain all hazardous waste manifests onsite for a period of 3 years.
Eval Division: Kings County Environmental Health
Eval Program: HW
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 09-29-2015
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: During today's inspection, the facility's hazardous materials were observed properly maintained. Many of the facility's corrosive chemicals were observed secondarily contained. Some minor changes need

AGUSA INC. (Continued) **S121765107**

to be made on CERS, see violation noted above. Employee training was observed up-to-date, last occurred January 2015. On CERS, please make sure to fill-out, sign, and upload the Emergency Response Contingency Response Template that is provided on CERS.

Eval Division: Kings County Environmental Health
Eval Program: HMRRP
Eval Source: CERS,

Enforcement Action:
Site ID: 3548
Site Name: Agusa Inc.
Site Address: 1055 S 19TH AVE
Site City: LEMOORE
Site Zip: 93245
Enf Action Date: 09-29-2015
Enf Action Type: Notice of Violation (Unified Program)
Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes: Not reported
Enf Action Division: Kings County Environmental Health
Enf Action Program: HMRRP
Enf Action Source: CERS,

Coordinates:
Site ID: 3548
Facility Name: Agusa Inc.
Env Int Type Code: HWG
Program ID: 10447282
Coord Name: Not reported
Ref Point Type Desc: Center of a facility or station.,
Latitude: 36.281260
Longitude: -119.800160

Affiliation:
Affiliation Type Desc: Environmental Contact
Entity Name: Joe Bustillos
Entity Title: Not reported
Affiliation Address: 1055 S 19th Avenue
Affiliation City: Lemoore
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 93245
Affiliation Phone: ,

Affiliation Type Desc: Facility Mailing Address
Entity Name: Mailing Address
Entity Title: Not reported
Affiliation Address: 1055 S 19th Avenue
Affiliation City: Lemoore
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 93245
Affiliation Phone: ,

Affiliation Type Desc: Parent Corporation
Entity Name: Agusa Inc.
Entity Title: Not reported

AGUSA INC. (Continued) **S121765107**

Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: ,

Affiliation Type Desc: CUPA District
Entity Name: Kings County Env Health
Entity Title: Not reported
Affiliation Address: 330 Campus Drive
Affiliation City: Hanford
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 93230
Affiliation Phone: (559) 584-1411,

Affiliation Type Desc: Document Preparer
Entity Name: Joe Bustillos
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: ,

Affiliation Type Desc: Identification Signer
Entity Name: Joel De Lira
Entity Title: President
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: ,

Affiliation Type Desc: Legal Owner
Entity Name: Grupo Empresarial Agraz, S.L
Entity Title: Not reported
Affiliation Address: C/Gobelas, 25-27
Affiliation City: Madrid
Affiliation State: Not reported
Affiliation Country: Spain
Affiliation Zip: 28023
Affiliation Phone: (349) 244-4880,

Affiliation Type Desc: Operator
Entity Name: Joe Bustillos
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: (559) 469-6546,

AGUSA INC. (Continued) **S121765107**

Affiliation Type Desc:	Property Owner
Entity Name:	Grupo Empresarial Agraz, S.L
Entity Title:	Not reported
Affiliation Address:	C/Gobelas, 25-27
Affiliation City:	Madrid
Affiliation State:	Not reported
Affiliation Country:	Spain
Affiliation Zip:	28023
Affiliation Phone:	(349) 244-4880,

H33 **AGUSA INC** **RCRA NonGen / NLR** **1024807959**
SSW **1055 S 19TH AVE** **CAL000277504**
1/8-1/4 **LEMOORE, CA 93245**
0.180 mi.
953 ft. **Site 2 of 3 in cluster H**

Relative: RCRA Listings:
Lower

Actual: Date Form Received by Agency:		20031218
221 ft. Handler Name:	AGUSA INC	
Handler Address:		1055 S 19TH AVE
Handler City,State,Zip:		LEMOORE, CA 93245
EPA ID:		CAL000277504
Contact Name:		GABRIELA CASTILLO
Contact Address:		1055 S 19TH AVE
Contact City,State,Zip:		LEMOORE, CA 93245
Contact Telephone:		559-924-4785
Contact Fax:		559-924-0933
Contact Email:		GABRIELLA.CASTILLO@AGUSA.BIZ
Contact Title:		Not reported
EPA Region:		09
Land Type:		Not reported
Federal Waste Generator Description:		Not a generator, verified
Non-Notifier:		Not reported
Biennial Report Cycle:		Not reported
Accessibility:		Not reported
Active Site Indicator:		Handler Activities
State District Owner:		Not reported
State District:		Not reported
Mailing Address:		1055 S 19TH AVE
Mailing City,State,Zip:		LEMOORE, CA 93245-9747
Owner Name:	AGUSA INC	
Owner Type:		Other
Operator Name:	GABRIELA CASTILLO	
Operator Type:		Other
Short-Term Generator Activity:		No
Importer Activity:		No
Mixed Waste Generator:		No
Transporter Activity:		No
Transfer Facility Activity:		No
Recycler Activity with Storage:		No
Small Quantity On-Site Burner Exemption:		No
Smelting Melting and Refining Furnace Exemption:		No
Underground Injection Control:		No
Off-Site Waste Receipt:		No
Universal Waste Indicator:		Yes
Universal Waste Destination Facility:		Yes
Federal Universal Waste:		No

AGUSA INC (Continued) **1024807959**

Active Site Fed-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site Converter Treatment storage and Disposal Facility:	Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	N
Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported
Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required: Not reported	
Handler Date of Last Change:	20180905
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Handler - Owner Operator:

Owner/Operator Indicator:	Operator
Owner/Operator Name: GABRIELA CASTILLO	
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	1055 S 19TH AVE
Owner/Operator City,State,Zip:	LEMOORE, CA 93245
Owner/Operator Telephone:	559-924-4785
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

AGUSA INC (Continued) **1024807959**

Owner/Operator Indicator: Owner
Owner/Operator Name: AGUSA INC
Legal Status: Other
Date Became Current: Not reported
Date Ended Current: Not reported
Owner/Operator Address: 1055 S 19TH AVE
Owner/Operator City,State,Zip: LEMOORE, CA 93245-9747
Owner/Operator Telephone: 559-924-4785
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Historic Generators:
Receive Date: 20031218
Handler Name: AGUSA INC
Federal Waste Generator Description: Not a generator, verified
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: Yes
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

List of NAICS Codes and Descriptions:
NAICS Code: 311211
NAICS Description: FLOUR MILLING

NAICS Code: 311423
NAICS Description: DRIED AND DEHYDRATED FOOD MANUFACTURING

NAICS Code: 311999
NAICS Description: ALL OTHER MISCELLANEOUS FOOD MANUFACTURING

Facility Has Received Notices of Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

H34 **AGUSA** **CUPA Listings** **S108196945**
SSW **1055 S 19TH AVE** **N/A**
1/8-1/4 **LEMOORE, CA 93245**
0.180 mi.
953 ft. **Site 3 of 3 in cluster H**

Relative: **Lower**
Actual: **221 ft.**

CUPA KINGS:
Name: AGUSA
Address: 1055 S 19TH AVE
City,State,Zip: LEMOORE, CA 93245
Region: KING
Facility Id: FA0003927
Status: I

AGUSA (Continued) **S108196945**

PE:	2113
Mailing Address 1:	1055 S. 19TH AVE.
Mailing State:	CA
Mailing Zip:	93245
Decode of Fstatus:	InActive
Mailing Name:	GRUPO EMPRESARIAL AGRAZ, S.L.
Name:	AGUSA
Address:	1055 S 19TH AVE
City,State,Zip:	LEMOORE, CA 93245
Region:	KING
Facility Id:	FA0003927
Status:	A
PE:	2226
Mailing Address 1:	1055 S. 19TH AVE.
Mailing State:	CA
Mailing Zip:	93245
Decode of Fstatus:	Active
Mailing Name:	GRUPO EMPRESARIAL AGRAZ, S.L.
Name:	AGUSA
Address:	1055 S 19TH AVE
City,State,Zip:	LEMOORE, CA 93245
Region:	KING
Facility Id:	FA0003927
Status:	I
PE:	Not reported
Mailing Address 1:	1055 S. 19TH AVE.
Mailing State:	CA
Mailing Zip:	93245
Decode of Fstatus:	InActive
Mailing Name:	GRUPO EMPRESARIAL AGRAZ, S.L.

G35 **LUHSD - TRANSPORTATION** **RCRA NonGen / NLR** **1024797919**
ESE **857 IONA AVE** **CAL000194315**
1/8-1/4 **LEMOORE, CA 93245**
0.183 mi.
965 ft. **Site 4 of 4 in cluster G**

Relative: **Higher**
Actual: **223 ft.**

RCRA Listings:

Date Form Received by Agency:		19980527
Handler Name:	LUHSD - TRANSPORTATION	
Handler Address:		857 IONA AVE
Handler City,State,Zip:		LEMOORE, CA 93245-0000
EPA ID:		CAL000194315
Contact Name:		MARK HOWARD
Contact Address:		5 POWELL AVE
Contact City,State,Zip:		LEMOORE, CA 93245
Contact Telephone:		559-924-6640
Contact Fax:		000-000-0000
Contact Email:		CANAYA@LUHSD.K12.CA.US
Contact Title:		Not reported
EPA Region:		09
Land Type:		Not reported
Federal Waste Generator Description:		Not a generator, verified
Non-Notifier:		Not reported
Biennial Report Cycle:		Not reported
Accessibility:		Not reported

LUHSD - TRANSPORTATION (Continued) **1024797919**

Active Site Indicator:		Handler Activities
State District Owner:		Not reported
State District:		Not reported
Mailing Address:		5 POWELL AVE
Mailing City,State,Zip:		LEMOORE, CA 93245-0000
Owner Name:	LEMOORE UNION HIGH SCHOOL DIST	
Owner Type:		Other
Operator Name:	MARK HOWARD	
Operator Type:		Other
Short-Term Generator Activity:		No
Importer Activity:		No
Mixed Waste Generator:		No
Transporter Activity:		No
Transfer Facility Activity:		No
Recycler Activity with Storage:		No
Small Quantity On-Site Burner Exemption:		No
Smelting Melting and Refining Furnace Exemption:		No
Underground Injection Control:		No
Off-Site Waste Receipt:		No
Universal Waste Indicator:		Yes
Universal Waste Destination Facility:		Yes
Federal Universal Waste:		No
Active Site Fed-Reg Treatment Storage and Disposal Facility:		Not reported
Active Site Converter Treatment storage and Disposal Facility:		Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:		Not reported
Active Site State-Reg Handler:		---
Federal Facility Indicator:		Not reported
Hazardous Secondary Material Indicator:		N
Sub-Part K Indicator:		Not reported
Commercial TSD Indicator:		No
Treatment Storage and Disposal Type:		Not reported
2018 GPRA Permit Baseline:		Not on the Baseline
2018 GPRA Renewals Baseline:		Not on the Baseline
Permit Renewals Workload Universe:		Not reported
Permit Workload Universe:		Not reported
Permit Progress Universe:		Not reported
Post-Closure Workload Universe:		Not reported
Closure Workload Universe:		Not reported
202 GPRA Corrective Action Baseline:		No
Corrective Action Workload Universe:		No
Subject to Corrective Action Universe:		No
Non-TSDFs Where RCRA CA has Been Imposed Universe:		No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:		No
TSDFs Only Subject to CA under Discretionary Auth Universe:		No
Corrective Action Priority Ranking:		No NCAPS ranking
Environmental Control Indicator:		No
Institutional Control Indicator:		No
Human Exposure Controls Indicator:		N/A
Groundwater Controls Indicator:		N/A
Operating TSDF Universe:		Not reported
Full Enforcement Universe:		Not reported
Significant Non-Complier Universe:		No
Unaddressed Significant Non-Complier Universe:		No
Addressed Significant Non-Complier Universe:		No
Significant Non-Complier With a Compliance Schedule Universe:		No
Financial Assurance Required:	Not reported	
Handler Date of Last Change:		20180905

LUHSD - TRANSPORTATION (Continued) **1024797919**

Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Handler - Owner Operator:

Owner/Operator Indicator:	Operator
Owner/Operator Name: MARK HOWARD	
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	5 POWELL AVE
Owner/Operator City,State,Zip:	LEMOORE, CA 93245
Owner/Operator Telephone:	559-924-6640
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Owner
Owner/Operator Name: LEMOORE UNION HIGH SCHOOL DIST	
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	5 POWELL AVE
Owner/Operator City,State,Zip:	LEMOORE, CA 93245-0000
Owner/Operator Telephone:	559-924-6640
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Historic Generators:

Receive Date:	19980527
Handler Name: LUHSD - TRANSPORTATION	
Federal Waste Generator Description:	Not a generator, verified
State District Owner:	Not reported
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	Yes
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

List of NAICS Codes and Descriptions:

NAICS Code:	56299
NAICS Description:	ALL OTHER WASTE MANAGEMENT SERVICES

Facility Has Received Notices of Violations:

Violations:	No Violations Found

LUHSD - TRANSPORTATION (Continued) **1024797919**

Evaluation Action Summary:
Evaluations: No Evaluations Found

36
NNW
1/8-1/4
0.184 mi.
974 ft.

CARLOS RAMOS PEREZ DBA DND TRUCKING
1286 SAN SIMEON DR
LEMOORE, CA 93245

RCRA NonGen / NLR **1027469749**
CAL000474193

Relative:
Higher

Actual:
223 ft.

RCRA Listings:

Date Form Received by Agency:		20221026
Handler Name:	CARLOS RAMOS PEREZ DBA DND TRUCKING	
Handler Address:		1286 SAN SIMEON DR
Handler City,State,Zip:		LEMOORE, CA 93245
EPA ID:		CAL000474193
Contact Name:		ARMANDO RAMOS
Contact Address:		517 ARMSTRONG ST
Contact City,State,Zip:		LEMOORE, CA 93245
Contact Telephone:		559-967-2749
Contact Fax:		Not reported
Contact Email:		Not reported
Contact Title:		Not reported
EPA Region:		09
Land Type:		Not reported
Federal Waste Generator Description:		Not a generator, verified
Non-Notifier:		Not reported
Biennial Report Cycle:		Not reported
Accessibility:		Not reported
Active Site Indicator:		Handler Activities
State District Owner:		Not reported
State District:		Not reported
Mailing Address:		PO BOX 247
Mailing City,State,Zip:		NORCO, CA 92860
Owner Name:	CARLOS RAMOS PEREZ	
Owner Type:		Other
Operator Name:	ARMANDO RAMOS	
Operator Type:		Other
Short-Term Generator Activity:		No
Importer Activity:		No
Mixed Waste Generator:		No
Transporter Activity:		Yes
Transfer Facility Activity:		No
Recycler Activity with Storage:		No
Small Quantity On-Site Burner Exemption:		No
Smelting Melting and Refining Furnace Exemption:		No
Underground Injection Control:		No
Off-Site Waste Receipt:		No
Universal Waste Indicator:		No
Universal Waste Destination Facility:		No
Federal Universal Waste:		No
Active Site Fed-Reg Treatment Storage and Disposal Facility:		Not reported
Active Site Converter Treatment storage and Disposal Facility:		Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:		Not reported
Active Site State-Reg Handler:		---
Federal Facility Indicator:		Not reported
Hazardous Secondary Material Indicator:		N

CARLOS RAMOS PEREZ DBA DND TRUCKING (Continued) **1027469749**

Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported
Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required: Not reported	
Handler Date of Last Change:	20221102
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Handler - Owner Operator:

Owner/Operator Indicator:	Owner
Owner/Operator Name: CARLOS RAMOS PEREZ	
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	1286 SAN SIMEON DR
Owner/Operator City,State,Zip:	LEMOORE, CA 93245
Owner/Operator Telephone:	559-633-6220
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Operator
Owner/Operator Name: ARMANDO RAMOS	
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	517 ARMSTRONG ST

CARLOS RAMOS PEREZ DBA DND TRUCKING (Continued) **1027469749**

Owner/Operator City,State,Zip: LEMOORE, CA 93245
Owner/Operator Telephone: 559-967-2749
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Historic Generators:
Receive Date: 20221026
Handler Name: CARLOS RAMOS PEREZ DBA DND TRUCKING
Federal Waste Generator Description: Not a generator, verified
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: Yes
Non Storage Recycler Activity: No
Electronic Manifest Broker: No

List of NAICS Codes and Descriptions:
NAICS Code: 484230
NAICS Description: SPECIALIZED FREIGHT (EXCEPT USED GOODS) TRUCKING, LONG-DISTANCE

Facility Has Received Notices of Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

37
East
1/8-1/4
0.223 mi.
1178 ft.

SUPERIOR TRUCK LINES INC
898 IONA AVE
LEMOORE, CA 93245

RCRA NonGen / NLR **1024824589**
CAL000348313

Relative:
Higher

Actual:
223 ft.

RCRA Listings:
Date Form Received by Agency: 20091130
Handler Name: SUPERIOR TRUCK LINES INC
Handler Address: 898 IONA AVE
Handler City,State,Zip: LEMOORE, CA 93245-9716
EPA ID: CAL000348313
Contact Name: FRANK AMARAL
Contact Address: 527 F STREET
Contact City,State,Zip: LEMOORE, CA 93245
Contact Telephone: 209-862-9430
Contact Fax: 209-862-9416
Contact Email: FRANK@STLINC.ORG
Contact Title: Not reported
EPA Region: 09
Land Type: Not reported
Federal Waste Generator Description: Not a generator, verified
Non-Notifier: Not reported
Biennial Report Cycle: Not reported
Accessibility: Not reported

SUPERIOR TRUCK LINES INC (Continued) **1024824589**

Active Site Indicator:		Handler Activities
State District Owner:		Not reported
State District:		Not reported
Mailing Address:		PO BOX 307
Mailing City,State,Zip:		GUSTINE, CA 95322-0307
Owner Name:	SUPERIOR TRUCK LINES INC	
Owner Type:		Other
Operator Name:	FRANK AMARAL	
Operator Type:		Other
Short-Term Generator Activity:		No
Importer Activity:		No
Mixed Waste Generator:		No
Transporter Activity:		No
Transfer Facility Activity:		No
Recycler Activity with Storage:		No
Small Quantity On-Site Burner Exemption:		No
Smelting Melting and Refining Furnace Exemption:		No
Underground Injection Control:		No
Off-Site Waste Receipt:		No
Universal Waste Indicator:		Yes
Universal Waste Destination Facility:		Yes
Federal Universal Waste:		No
Active Site Fed-Reg Treatment Storage and Disposal Facility:		Not reported
Active Site Converter Treatment storage and Disposal Facility:		Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:		Not reported
Active Site State-Reg Handler:		---
Federal Facility Indicator:		Not reported
Hazardous Secondary Material Indicator:		N
Sub-Part K Indicator:		Not reported
Commercial TSD Indicator:		No
Treatment Storage and Disposal Type:		Not reported
2018 GPRA Permit Baseline:		Not on the Baseline
2018 GPRA Renewals Baseline:		Not on the Baseline
Permit Renewals Workload Universe:		Not reported
Permit Workload Universe:		Not reported
Permit Progress Universe:		Not reported
Post-Closure Workload Universe:		Not reported
Closure Workload Universe:		Not reported
202 GPRA Corrective Action Baseline:		No
Corrective Action Workload Universe:		No
Subject to Corrective Action Universe:		No
Non-TSDFs Where RCRA CA has Been Imposed Universe:		No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:		No
TSDFs Only Subject to CA under Discretionary Auth Universe:		No
Corrective Action Priority Ranking:		No NCAPS ranking
Environmental Control Indicator:		No
Institutional Control Indicator:		No
Human Exposure Controls Indicator:		N/A
Groundwater Controls Indicator:		N/A
Operating TSDF Universe:		Not reported
Full Enforcement Universe:		Not reported
Significant Non-Complier Universe:		No
Unaddressed Significant Non-Complier Universe:		No
Addressed Significant Non-Complier Universe:		No
Significant Non-Complier With a Compliance Schedule Universe:		No
Financial Assurance Required:	Not reported	
Handler Date of Last Change:		20180905

SUPERIOR TRUCK LINES INC (Continued) **1024824589**

Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Handler - Owner Operator:

Owner/Operator Indicator:	Operator
Owner/Operator Name: FRANK AMARAL	
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	527 F STREET
Owner/Operator City,State,Zip:	LEMOORE, CA 93245
Owner/Operator Telephone:	209-862-9430
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Owner
Owner/Operator Name: SUPERIOR TRUCK LINES INC	
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	PO BOX 307
Owner/Operator City,State,Zip:	GUSTINE, CA 95322-0307
Owner/Operator Telephone:	209-862-9430
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Historic Generators:

Receive Date:	20091130
Handler Name: SUPERIOR TRUCK LINES INC	
Federal Waste Generator Description:	Not a generator, verified
State District Owner:	Not reported
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	Yes
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

List of NAICS Codes and Descriptions:

NAICS Code:	48423
NAICS Description:	SPECIALIZED FREIGHT (EXCEPT USED GOODS) TRUCKING, LONG-DISTANCE

Facility Has Received Notices of Violations:

Violations:	No Violations Found

SUPERIOR TRUCK LINES INC (Continued) **1024824589**

Evaluation Action Summary:
Evaluations: No Evaluations Found

38
ENE
1/4-1/2
0.305 mi.
1609 ft.

SELF HELP ENTERPRISES, TRACT 656
W VINE ST, SO OF HWY 198, NO OF IONA AVE
LEMOORE, CA 93245

ENVIROSTOR **S106568204**
VCP **N/A**

Relative:
Higher

Actual:
224 ft.

ENVIROSTOR:

Name:	SELF HELP ENTERPRISES, TRACT 656
Address:	W VINE ST, SO OF HWY 198, NO OF IONA AVE
City,State,Zip:	LEMOORE, CA 93245
Facility ID:	16150001
Status:	Certified
Status Date:	06/17/1996
Site Code:	100514
Site Type:	Voluntary Cleanup
Site Type Detailed:	Voluntary Agreement
Acres:	25
NPL:	NO
Regulatory Agencies:	SMBRP
Lead Agency:	SMBRP
Program Manager:	Not reported
Supervisor:	Kevin Shaddy
Division Branch:	Cleanup San Joaquin
Assembly:	32
Senate:	14
Special Program:	Voluntary Agreement - Standard Voluntary Agreement
Restricted Use:	NO
Site Mgmt Req:	NONE SPECIFIED
Funding:	Responsible Party
Latitude:	36.28611
Longitude:	-119.7916
APN:	NONE SPECIFIED
Past Use:	ILLEGAL DUMPING, OPEN BURN/OPEN DETONATION
Potential COC:	Lead
Confirmed COC:	Lead
Potential Description:	SOIL
Alias Name:	SELF HELP ENTERPRISES, TRACT 656
Alias Type:	Alternate Name
Alias Name:	110033608193
Alias Type:	EPA (FRS #)
Alias Name:	100514
Alias Type:	Project Code (Site Code)
Alias Name:	16150001
Alias Type:	Envirostor ID Number

Completed Info:

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Monitoring Report
Completed Date:	12/28/1995
Comments:	Not reported
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported

SELF HELP ENTERPRISES, TRACT 656 (Continued) **S106568204**

Completed Document Type: Removal Action Completion Report
Completed Date: 06/24/1996
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Report
Completed Date: 10/26/1994
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Certification
Completed Date: 06/17/1996
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: CEQA - Initial Study/ Neg. Declaration
Completed Date: 10/18/1995
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Standard Voluntary Agreement
Completed Date: 07/28/1995
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: *Voluntary Cleanup Agreement Completion
Completed Date: 06/19/1996
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Removal Action Workplan
Completed Date: 03/04/1996
Comments: RAW - Approval of RAW document/workplan.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 01/12/1996
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Public Participation Plan / Community Relations Plan
Completed Date: 01/23/1995
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Fact Sheets
Completed Date: 08/01/1995
Comments: Not reported

SELF HELP ENTERPRISES, TRACT 656 (Continued) **S106568204**

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 10/12/1995
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 06/24/1996
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 12/30/2014
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: CEQA - Initial Study/ Neg. Declaration
Completed Date: 06/27/1995
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: CEQA - Initial Study/ Environmental Impact Report
Completed Date: 07/02/1993
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: CEQA - Initial Study/ Environmental Impact Report
Completed Date: 05/01/1994
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Correspondence
Completed Date: 02/25/2000
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: CEQA - Initial Study/ Environmental Impact Report
Completed Date: 08/17/1995
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Certification
Completed Date: 06/24/1996
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Certification

SELF HELP ENTERPRISES, TRACT 656 (Continued) **S106568204**

Completed Date: 06/17/1996
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Standard Voluntary Agreement
Completed Date: 01/11/1995
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Removal Action Completion Report
Completed Date: 06/17/1996
Comments: RA -- The removal action consisted of the excavation and disposal of approximately 2,336 tons of lead contaminated soil, refuse, and debris. This material was disposed of as non-RCRA hazardous waste at the Chemical Waste Management, Kettleman Hills Facility. Approximately 1700 cubic yards disposed to landfill; 10 acres cleaned up to allow unrestricted land use. CERT -- Certification of cleanup of a 10-acre site in accordance with a DTSC approved RAW.

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

VCP:
Name: SELF HELP ENTERPRISES, TRACT 656
Address: W VINE ST, SO OF HWY 198, NO OF IONA AVE
City,State,Zip: LEMOORE, CA 93245
Facility ID: 16150001
Site Type: Voluntary Cleanup
Site Type Detail: Voluntary Agreement
Site Mgmt. Req.: NONE SPECIFIED
Acres: 25
National Priorities List: NO
Cleanup Oversight Agencies: SMBRP
Lead Agency: SMBRP
Lead Agency Description: DTSC - Site Cleanup Program
Project Manager: Not reported
Supervisor: Kevin Shaddy
Division Branch: Cleanup San Joaquin
Site Code: 100514
Assembly: 32
Senate: 14
Special Programs Code: Voluntary Agreement - Standard Voluntary Agreement
Status: Certified
Status Date: 06/17/1996
Restricted Use: NO
Funding: Responsible Party
Lat/Long: 36.28611 / -119.7916
APN: NONE SPECIFIED

SELF HELP ENTERPRISES, TRACT 656 (Continued) **S106568204**

Past Use: ILLEGAL DUMPING, OPEN BURN/OPEN DETONATION
Potential COC: 30013
Confirmed COC: 30013
Potential Description: SOIL
Alias Name: SELF HELP ENTERPRISES, TRACT 656
Alias Type: Alternate Name
Alias Name: 110033608193
Alias Type: EPA (FRS #)
Alias Name: 100514
Alias Type: Project Code (Site Code)
Alias Name: 16150001
Alias Type: Envirostor ID Number

Completed Info:
Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 12/28/1995
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Removal Action Completion Report
Completed Date: 06/24/1996
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Report
Completed Date: 10/26/1994
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Certification
Completed Date: 06/17/1996
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: CEQA - Initial Study/ Neg. Declaration
Completed Date: 10/18/1995
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Standard Voluntary Agreement
Completed Date: 07/28/1995
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: *Voluntary Cleanup Agreement Completion
Completed Date: 06/19/1996
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported

SELF HELP ENTERPRISES, TRACT 656 (Continued) **S106568204**

Completed Document Type: Removal Action Workplan
Completed Date: 03/04/1996
Comments: RAW - Approval of RAW document/workplan.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 01/12/1996
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Public Participation Plan / Community Relations Plan
Completed Date: 01/23/1995
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Fact Sheets
Completed Date: 08/01/1995
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 10/12/1995
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 06/24/1996
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 12/30/2014
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: CEQA - Initial Study/ Neg. Declaration
Completed Date: 06/27/1995
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: CEQA - Initial Study/ Environmental Impact Report
Completed Date: 07/02/1993
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: CEQA - Initial Study/ Environmental Impact Report
Completed Date: 05/01/1994
Comments: Not reported

SELF HELP ENTERPRISES, TRACT 656 (Continued) **S106568204**

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Correspondence
Completed Date: 02/25/2000
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: CEQA - Initial Study/ Environmental Impact Report
Completed Date: 08/17/1995
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Certification
Completed Date: 06/24/1996
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Certification
Completed Date: 06/17/1996
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Standard Voluntary Agreement
Completed Date: 01/11/1995
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Removal Action Completion Report
Completed Date: 06/17/1996
Comments: RA -- The removal action consisted of the excavation and disposal of approximately 2,336 tons of lead contaminated soil, refuse, and debris. This material was disposed of as non-RCRA hazardous waste at the Chemical Waste Management, Kettleman Hills Facility. Approximately 1700 cubic yards disposed to landfill; 10 acres cleaned up to allow unrestricted land use. CERT -- Certification of cleanup of a 10-acre site in accordance with a DTSC approved RAW.

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

39
ESE
1/4-1/2
0.410 mi.
2165 ft.

LEMOORE CITY LANDFILL
LEMOORE CA, CA

WMUDS/SWAT **S103442428**
N/A

Relative:
Higher

Actual:
223 ft.

WMUDS/SWAT:

Edit Date:	Not reported
Complexity:	Not reported
Primary Waste:	SLDWST
Primary Waste Type:	Nonhazardous Solid Wastes/Influent or Solid Wastes that contain nonhazardous putrescible and non putrescible solid, semisolid, and liquid wastes (E.G., garbage, trash, refuse, paper, demolition and construction wastes, manure, vegetable or animal solid and semisolid waste).
Secondary Waste:	Not reported
Secondary Waste Type:	Not reported
Base Meridian:	Not reported
NPID:	Not reported
Tonnage:	0
Regional Board ID:	Not reported
Municipal Solid Waste:	False
Superorder:	False
Open To Public:	False
Waste List:	False
Agency Type:	County
Agency Name:	KINGS WASTE & RECYCLING AUTH
Agency Department:	WASTE MANAGEMENT AUTHORITY
Agency Address:	7803 HANFORD-ARMONA RD
Agency City,St,Zip:	HANFORD CA 93230
Agency Contact:	MICHAEL R ADAMS
Agency Telephone:	5595838829
Land Owner Name:	Not reported
Land Owner Address:	Not reported
Land Owner City,St,Zip:	CA
Land Owner Contact:	Not reported
Land Owner Phone:	Not reported
Region:	5F
Facility Type:	Solid Waste Site-Class III - Landfills for non hazardous solid wastes.
Facility Description:	Not reported
Facility Telephone:	Not reported
SWAT Facility Name:	Not reported
Primary SIC:	4953
Secondary SIC:	Not reported
Comments:	Not reported
Last Facility Editors:	Not reported
Waste Discharge System:	True
Solid Waste Assessment Test Program:	True
Toxic Pits Cleanup Act Program:	False
Resource Conservation Recovery Act:	False
Department of Defence:	False
Solid Waste Assessment Test Program:	COUNTY OF KINGS
Threat to Water Quality:	Not reported
Sub Chapter 15:	False
Regional Board Project Officer:	CLR
Number of WMUDS at Facility:	1
Section Range:	Not reported
RCRA Facility:	No
Waste Discharge Requirements:	I

LEMOORE CITY LANDFILL (Continued) **S103442428**

Self-Monitoring Rept. Frequency: Not reported
Waste Discharge System ID: 5D160303N03
Solid Waste Information ID: Not reported

Count: 1 records. ORPHAN SUMMARY

City	EDR ID	Site Name	Site Address	Zip	Database(s)
LEMOORE	S126983221	LEMOORE TRANSFER STATION	1100 S VINE	93245	SWF/LF

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

To maintain currency of the following federal and state databases, EDR contacts the appropriate governmental agency on a monthly or quarterly basis, as required.

Number of Days to Update: Provides confirmation that EDR is reporting records that have been updated within 90 days from the date the government agency made the information available to the public.

STANDARD ENVIRONMENTAL RECORDS

Lists of Federal NPL (Superfund) sites

NPL: National Priority List

National Priorities List (Superfund). The NPL is a subset of CERCLIS and identifies over 1,200 sites for priority cleanup under the Superfund Program. NPL sites may encompass relatively large areas. As such, EDR provides polygon coverage for over 1,000 NPL site boundaries produced by EPA's Environmental Photographic Interpretation Center (EPIC) and regional EPA offices.

Date of Government Version: 10/27/2022
Date Data Arrived at EDR: 11/01/2022
Date Made Active in Reports: 11/15/2022
Number of Days to Update: 14

Source: EPA
Telephone: N/A
Last EDR Contact: 12/01/2022
Next Scheduled EDR Contact: 01/09/2023
Data Release Frequency: Quarterly

NPL Site Boundaries

Sources:

EPA's Environmental Photographic Interpretation Center (EPIC)
Telephone: 202-564-7333

EPA Region 1
Telephone 617-918-1143

EPA Region 3
Telephone 215-814-5418

EPA Region 4
Telephone 404-562-8033

EPA Region 5
Telephone 312-886-6686

EPA Region 6
Telephone: 214-655-6659

EPA Region 7
Telephone: 913-551-7247

EPA Region 8
Telephone: 303-312-6774

EPA Region 9
Telephone: 415-947-4246

EPA Region 10
Telephone 206-553-8665

Proposed NPL: Proposed National Priority List Sites

A site that has been proposed for listing on the National Priorities List through the issuance of a proposed rule in the Federal Register. EPA then accepts public comments on the site, responds to the comments, and places on the NPL those sites that continue to meet the requirements for listing.

Date of Government Version: 10/27/2022
Date Data Arrived at EDR: 11/01/2022
Date Made Active in Reports: 11/15/2022
Number of Days to Update: 14

Source: EPA
Telephone: N/A
Last EDR Contact: 12/01/2022
Next Scheduled EDR Contact: 01/09/2023
Data Release Frequency: Quarterly

NPL LIENS: Federal Superfund Liens

Federal Superfund Liens. Under the authority granted the USEPA by CERCLA of 1980, the USEPA has the authority to file liens against real property in order to recover remedial action expenditures or when the property owner received notification of potential liability. USEPA compiles a listing of filed notices of Superfund Liens.

Date of Government Version: 10/15/1991
Date Data Arrived at EDR: 02/02/1994
Date Made Active in Reports: 03/30/1994
Number of Days to Update: 56

Source: EPA
Telephone: 202-564-4267
Last EDR Contact: 08/15/2011
Next Scheduled EDR Contact: 11/28/2011
Data Release Frequency: No Update Planned

Lists of Federal Delisted NPL sites

Delisted NPL: National Priority List Deletions

The National Oil and Hazardous Substances Pollution Contingency Plan (NCP) establishes the criteria that the EPA uses to delete sites from the NPL. In accordance with 40 CFR 300.425.(e), sites may be deleted from the NPL where no further response is appropriate.

Date of Government Version: 10/27/2022
Date Data Arrived at EDR: 11/01/2022
Date Made Active in Reports: 11/15/2022
Number of Days to Update: 14

Source: EPA
Telephone: N/A
Last EDR Contact: 12/01/2022
Next Scheduled EDR Contact: 01/09/2023
Data Release Frequency: Quarterly

Lists of Federal sites subject to CERCLA removals and CERCLA orders

FEDERAL FACILITY: Federal Facility Site Information listing

A listing of National Priority List (NPL) and Base Realignment and Closure (BRAC) sites found in the Comprehensive Environmental Response, Compensation and Liability Information System (CERCLIS) Database where EPA Federal Facilities Restoration and Reuse Office is involved in cleanup activities.

Date of Government Version: 08/25/2022
Date Data Arrived at EDR: 09/06/2022
Date Made Active in Reports: 12/05/2022
Number of Days to Update: 90

Source: Environmental Protection Agency
Telephone: 703-603-8704
Last EDR Contact: 09/06/2022
Next Scheduled EDR Contact: 01/10/2023
Data Release Frequency: Varies

SEMS: Superfund Enterprise Management System

SEMS (Superfund Enterprise Management System) tracks hazardous waste sites, potentially hazardous waste sites, and remedial activities performed in support of EPA's Superfund Program across the United States. The list was formerly know as CERCLIS, renamed to SEMS by the EPA in 2015. The list contains data on potentially hazardous waste sites that have been reported to the USEPA by states, municipalities, private companies and private persons, pursuant to Section 103 of the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA). This dataset also contains sites which are either proposed to or on the National Priorities List (NPL) and the sites which are in the screening and assessment phase for possible inclusion on the NPL.

Date of Government Version: 10/27/2022
Date Data Arrived at EDR: 11/01/2022
Date Made Active in Reports: 11/15/2022
Number of Days to Update: 14

Source: EPA
Telephone: 800-424-9346
Last EDR Contact: 12/01/2022
Next Scheduled EDR Contact: 01/23/2023
Data Release Frequency: Quarterly

Lists of Federal CERCLA sites with NFRAP

SEMS-ARCHIVE: Superfund Enterprise Management System Archive

SEMS-ARCHIVE (Superfund Enterprise Management System Archive) tracks sites that have no further interest under the Federal Superfund Program based on available information. The list was formerly known as the CERCLIS-NFRAP, renamed to SEMS ARCHIVE by the EPA in 2015. EPA may perform a minimal level of assessment work at a site while it is archived if site conditions change and/or new information becomes available. Archived sites have been removed and archived from the inventory of SEMS sites. Archived status indicates that, to the best of EPA's knowledge, assessment at a site has been completed and that EPA has determined no further steps will be taken to list the site on the National Priorities List (NPL), unless information indicates this decision was not appropriate or other considerations require a recommendation for listing at a later time. The decision does not necessarily mean that there is no hazard associated with a given site; it only means that. based upon available information, the location is not judged to be potential NPL site.

Date of Government Version: 10/27/2022
Date Data Arrived at EDR: 11/01/2022
Date Made Active in Reports: 11/15/2022
Number of Days to Update: 14

Source: EPA
Telephone: 800-424-9346
Last EDR Contact: 12/01/2022
Next Scheduled EDR Contact: 01/23/2023
Data Release Frequency: Quarterly

Lists of Federal RCRA facilities undergoing Corrective Action

CORRACTS: Corrective Action Report

CORRACTS identifies hazardous waste handlers with RCRA corrective action activity.

Date of Government Version: 11/21/2022
Date Data Arrived at EDR: 11/21/2022
Date Made Active in Reports: 12/05/2022
Number of Days to Update: 14

Source: EPA
Telephone: 800-424-9346
Last EDR Contact: 11/21/2022
Next Scheduled EDR Contact: 01/02/2023
Data Release Frequency: Quarterly

Lists of Federal RCRA TSD facilities

RCRA-TSDF: RCRA - Treatment, Storage and Disposal

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Transporters are individuals or entities that move hazardous waste from the generator offsite to a facility that can recycle, treat, store, or dispose of the waste. TSDFs treat, store, or dispose of the waste.

Date of Government Version: 11/21/2022
Date Data Arrived at EDR: 11/21/2022
Date Made Active in Reports: 12/05/2022
Number of Days to Update: 14

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 11/21/2022
Next Scheduled EDR Contact: 01/02/2023
Data Release Frequency: Quarterly

Lists of Federal RCRA generators

RCRA-LQG: RCRA - Large Quantity Generators

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

Date of Government Version: 11/21/2022
Date Data Arrived at EDR: 11/21/2022
Date Made Active in Reports: 12/05/2022
Number of Days to Update: 14

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 11/21/2022
Next Scheduled EDR Contact: 01/02/2023
Data Release Frequency: Quarterly

RCRA-SQG: RCRA - Small Quantity Generators

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

Date of Government Version: 11/21/2022
Date Data Arrived at EDR: 11/21/2022
Date Made Active in Reports: 12/05/2022
Number of Days to Update: 14

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 11/21/2022
Next Scheduled EDR Contact: 01/02/2023
Data Release Frequency: Quarterly

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

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

Date of Government Version: 11/21/2022
Date Data Arrived at EDR: 11/21/2022
Date Made Active in Reports: 12/05/2022
Number of Days to Update: 14

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 11/21/2022
Next Scheduled EDR Contact: 01/02/2023
Data Release Frequency: Quarterly

Federal institutional controls / engineering controls registries

LUCIS: Land Use Control Information System

LUCIS contains records of land use control information pertaining to the former Navy Base Realignment and Closure properties.

Date of Government Version: 08/16/2022
Date Data Arrived at EDR: 08/22/2022
Date Made Active in Reports: 10/24/2022
Number of Days to Update: 63

Source: Department of the Navy
Telephone: 843-820-7326
Last EDR Contact: 11/01/2022
Next Scheduled EDR Contact: 02/20/2023
Data Release Frequency: Varies

US ENG CONTROLS: Engineering Controls Sites List

A listing of sites with engineering controls in place. Engineering controls include various forms of caps, building foundations, liners, and treatment methods to create pathway elimination for regulated substances to enter environmental media or effect human health.

Date of Government Version: 08/15/2022
Date Data Arrived at EDR: 08/17/2022
Date Made Active in Reports: 10/24/2022
Number of Days to Update: 68

Source: Environmental Protection Agency
Telephone: 703-603-0695
Last EDR Contact: 11/16/2022
Next Scheduled EDR Contact: 03/06/2023
Data Release Frequency: Varies

US INST CONTROLS: Institutional Controls Sites List

A listing of sites with institutional controls in place. Institutional controls include administrative measures, such as groundwater use restrictions, construction restrictions, property use restrictions, and post remediation care requirements intended to prevent exposure to contaminants remaining on site. Deed restrictions are generally required as part of the institutional controls.

Date of Government Version: 08/15/2022
Date Data Arrived at EDR: 08/17/2022
Date Made Active in Reports: 10/24/2022
Number of Days to Update: 68

Source: Environmental Protection Agency
Telephone: 703-603-0695
Last EDR Contact: 11/16/2022
Next Scheduled EDR Contact: 03/06/2023
Data Release Frequency: Varies

Federal ERNS list

ERNS: Emergency Response Notification System

Emergency Response Notification System. ERNS records and stores information on reported releases of oil and hazardous substances.

Date of Government Version: 06/14/2022
Date Data Arrived at EDR: 06/15/2022
Date Made Active in Reports: 06/21/2022
Number of Days to Update: 6

Source: National Response Center, United States Coast Guard
Telephone: 202-267-2180
Last EDR Contact: 12/14/2022
Next Scheduled EDR Contact: 04/03/2023
Data Release Frequency: Quarterly

Lists of state- and tribal (Superfund) equivalent sites

RESPONSE: State Response Sites

Identifies confirmed release sites where DTSC is involved in remediation, either in a lead or oversight capacity. These confirmed release sites are generally high-priority and high potential risk.

Date of Government Version: 07/25/2022
Date Data Arrived at EDR: 07/25/2022
Date Made Active in Reports: 10/05/2022
Number of Days to Update: 72

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 10/24/2022
Next Scheduled EDR Contact: 02/06/2023
Data Release Frequency: Quarterly

Lists of state- and tribal hazardous waste facilities

ENVIROSTOR: EnviroStor Database

The Department of Toxic Substances Control's (DTSC's) Site Mitigation and Brownfields Reuse Program's (SMBRP's) EnviroStor database identifes sites that have known contamination or sites for which there may be reasons to investigate further. The database includes the following site types: Federal Superfund sites (National Priorities List (NPL)); State Response, including Military Facilities and State Superfund; Voluntary Cleanup; and School sites. EnviroStor provides similar information to the information that was available in CalSites, and provides additional site information, including, but not limited to, identification of formerly-contaminated properties that have been released for reuse, properties where environmental deed restrictions have been recorded to prevent inappropriate land uses, and risk characterization information that is used to assess potential impacts to public health and the environment at contaminated sites.

Date of Government Version: 07/25/2022
Date Data Arrived at EDR: 07/25/2022
Date Made Active in Reports: 10/05/2022
Number of Days to Update: 72

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 10/24/2022
Next Scheduled EDR Contact: 02/06/2023
Data Release Frequency: Quarterly

Lists of state and tribal landfills and solid waste disposal facilities

SWF/LF (SWIS): Solid Waste Information System

Active, Closed and Inactive Landfills. SWF/LF records typically contain an inve ntory of solid waste disposal facilities or landfills. These may be active or i nactive facilities or open dumps that failed to meet RCRA Section 4004 criteria for solid waste landfills or disposal sites.

Date of Government Version: 08/08/2022
Date Data Arrived at EDR: 08/08/2022
Date Made Active in Reports: 10/20/2022
Number of Days to Update: 73

Source: Department of Resources Recycling and Recovery
Telephone: 916-341-6320
Last EDR Contact: 11/03/2022
Next Scheduled EDR Contact: 02/20/2023
Data Release Frequency: Quarterly

Lists of state and tribal leaking storage tanks

LUST REG 9: Leaking Underground Storage Tank Report

Orange, Riverside, San Diego counties. For more current information, please refer to the State Water Resources Control Board's LUST database.

Date of Government Version: 03/01/2001
Date Data Arrived at EDR: 04/23/2001
Date Made Active in Reports: 05/21/2001
Number of Days to Update: 28

Source: California Regional Water Quality Control Board San Diego Region (9)
Telephone: 858-637-5595
Last EDR Contact: 09/26/2011
Next Scheduled EDR Contact: 01/09/2012
Data Release Frequency: No Update Planned

LUST: Leaking Underground Fuel Tank Report (GEOTRACKER)

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

Date of Government Version: 08/31/2022
Date Data Arrived at EDR: 08/31/2022
Date Made Active in Reports: 11/17/2022
Number of Days to Update: 78

Source: State Water Resources Control Board
Telephone: see region list
Last EDR Contact: 12/02/2022
Next Scheduled EDR Contact: 03/20/2023
Data Release Frequency: Quarterly

LUST REG 6L: Leaking Underground Storage Tank Case Listing

For more current information, please refer to the State Water Resources Control Board's LUST database.

Date of Government Version: 09/09/2003
Date Data Arrived at EDR: 09/10/2003
Date Made Active in Reports: 10/07/2003
Number of Days to Update: 27

Source: California Regional Water Quality Control Board Lahontan Region (6)
Telephone: 530-542-5572
Last EDR Contact: 09/12/2011
Next Scheduled EDR Contact: 12/26/2011
Data Release Frequency: No Update Planned

LUST REG 8: Leaking Underground Storage Tanks

California Regional Water Quality Control Board Santa Ana Region (8). For more current information, please refer to the State Water Resources Control Board's LUST database.

Date of Government Version: 02/14/2005
Date Data Arrived at EDR: 02/15/2005
Date Made Active in Reports: 03/28/2005
Number of Days to Update: 41

Source: California Regional Water Quality Control Board Santa Ana Region (8)
Telephone: 909-782-4496
Last EDR Contact: 08/15/2011
Next Scheduled EDR Contact: 11/28/2011
Data Release Frequency: No Update Planned

LUST REG 7: Leaking Underground Storage Tank Case Listing

Leaking Underground Storage Tank locations. Imperial, Riverside, San Diego, Santa Barbara counties.

Date of Government Version: 02/26/2004
Date Data Arrived at EDR: 02/26/2004
Date Made Active in Reports: 03/24/2004
Number of Days to Update: 27

Source: California Regional Water Quality Control Board Colorado River Basin Region (7)
Telephone: 760-776-8943
Last EDR Contact: 08/01/2011
Next Scheduled EDR Contact: 11/14/2011
Data Release Frequency: No Update Planned

LUST REG 5: Leaking Underground Storage Tank Database

Leaking Underground Storage Tank locations. Alameda, Alpine, Amador, Butte, Colusa, Contra Costa, Calveras, El Dorado, Fresno, Glenn, Kern, Kings, Lake, Lassen, Madera, Mariposa, Merced, Modoc, Napa, Nevada, Placer, Plumas, Sacramento, San Joaquin, Shasta, Solano, Stanislaus, Sutter, Tehama, Tulare, Tuolumne, Yolo, Yuba counties.

Date of Government Version: 07/01/2008
Date Data Arrived at EDR: 07/22/2008
Date Made Active in Reports: 07/31/2008
Number of Days to Update: 9

Source: California Regional Water Quality Control Board Central Valley Region (5)
Telephone: 916-464-4834
Last EDR Contact: 07/01/2011
Next Scheduled EDR Contact: 10/17/2011
Data Release Frequency: No Update Planned

LUST REG 4: Underground Storage Tank Leak List

Los Angeles, Ventura counties. For more current information, please refer to the State Water Resources Control Board's LUST database.

Date of Government Version: 09/07/2004
Date Data Arrived at EDR: 09/07/2004
Date Made Active in Reports: 10/12/2004
Number of Days to Update: 35

Source: California Regional Water Quality Control Board Los Angeles Region (4)
Telephone: 213-576-6710
Last EDR Contact: 09/06/2011
Next Scheduled EDR Contact: 12/19/2011
Data Release Frequency: No Update Planned

LUST REG 3: Leaking Underground Storage Tank Database

Leaking Underground Storage Tank locations. Monterey, San Benito, San Luis Obispo, Santa Barbara, Santa Cruz counties.

Date of Government Version: 05/19/2003
Date Data Arrived at EDR: 05/19/2003
Date Made Active in Reports: 06/02/2003
Number of Days to Update: 14

Source: California Regional Water Quality Control Board Central Coast Region (3)
Telephone: 805-542-4786
Last EDR Contact: 07/18/2011
Next Scheduled EDR Contact: 10/31/2011
Data Release Frequency: No Update Planned

LUST REG 2: Fuel Leak List

Leaking Underground Storage Tank locations. Alameda, Contra Costa, Marin, Napa, San Francisco, San Mateo, Santa Clara, Solano, Sonoma counties.

Date of Government Version: 09/30/2004
Date Data Arrived at EDR: 10/20/2004
Date Made Active in Reports: 11/19/2004
Number of Days to Update: 30

Source: California Regional Water Quality Control Board San Francisco Bay Region (2)
Telephone: 510-622-2433
Last EDR Contact: 09/19/2011
Next Scheduled EDR Contact: 01/02/2012
Data Release Frequency: No Update Planned

LUST REG 1: Active Toxic Site Investigation

Del Norte, Humboldt, Lake, Mendocino, Modoc, Siskiyou, Sonoma, Trinity counties. For more current information, please refer to the State Water Resources Control Board's LUST database.

Date of Government Version: 02/01/2001
Date Data Arrived at EDR: 02/28/2001
Date Made Active in Reports: 03/29/2001
Number of Days to Update: 29

Source: California Regional Water Quality Control Board North Coast (1)
Telephone: 707-570-3769
Last EDR Contact: 08/01/2011
Next Scheduled EDR Contact: 11/14/2011
Data Release Frequency: No Update Planned

LUST REG 6V: Leaking Underground Storage Tank Case Listing

Leaking Underground Storage Tank locations. Inyo, Kern, Los Angeles, Mono, San Bernardino counties.

Date of Government Version: 06/07/2005
Date Data Arrived at EDR: 06/07/2005
Date Made Active in Reports: 06/29/2005
Number of Days to Update: 22

Source: California Regional Water Quality Control Board Victorville Branch Office (6)
Telephone: 760-241-7365
Last EDR Contact: 09/12/2011
Next Scheduled EDR Contact: 12/26/2011
Data Release Frequency: No Update Planned

INDIAN LUST R4: Leaking Underground Storage Tanks on Indian Land

LUSTs on Indian land in Florida, Mississippi and North Carolina.

Date of Government Version: 06/02/2022
Date Data Arrived at EDR: 06/13/2022
Date Made Active in Reports: 08/31/2022
Number of Days to Update: 79

Source: EPA Region 4
Telephone: 404-562-8677
Last EDR Contact: 12/06/2022
Next Scheduled EDR Contact: 01/30/2023
Data Release Frequency: Varies

INDIAN LUST R5: Leaking Underground Storage Tanks on Indian Land

Leaking underground storage tanks located on Indian Land in Michigan, Minnesota and Wisconsin.

Date of Government Version: 04/11/2022
Date Data Arrived at EDR: 06/13/2022
Date Made Active in Reports: 08/16/2022
Number of Days to Update: 64

Source: EPA, Region 5
Telephone: 312-886-7439
Last EDR Contact: 12/06/2022
Next Scheduled EDR Contact: 01/30/2023
Data Release Frequency: Varies

INDIAN LUST R6: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in New Mexico and Oklahoma.

Date of Government Version: 04/28/2022
Date Data Arrived at EDR: 06/13/2022
Date Made Active in Reports: 08/16/2022
Number of Days to Update: 64

Source: EPA Region 6
Telephone: 214-665-6597
Last EDR Contact: 12/06/2022
Next Scheduled EDR Contact: 01/30/2023
Data Release Frequency: Varies

INDIAN LUST R10: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Alaska, Idaho, Oregon and Washington.

Date of Government Version: 04/20/2022
Date Data Arrived at EDR: 06/13/2022
Date Made Active in Reports: 08/16/2022
Number of Days to Update: 64

Source: EPA Region 10
Telephone: 206-553-2857
Last EDR Contact: 12/06/2022
Next Scheduled EDR Contact: 01/30/2023
Data Release Frequency: Varies

INDIAN LUST R8: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Colorado, Montana, North Dakota, South Dakota, Utah and Wyoming.

Date of Government Version: 04/20/2022
Date Data Arrived at EDR: 06/13/2022
Date Made Active in Reports: 08/16/2022
Number of Days to Update: 64

Source: EPA Region 8
Telephone: 303-312-6271
Last EDR Contact: 12/06/2022
Next Scheduled EDR Contact: 01/30/2023
Data Release Frequency: Varies

INDIAN LUST R1: Leaking Underground Storage Tanks on Indian Land
A listing of leaking underground storage tank locations on Indian Land.

Date of Government Version: 04/28/2021
Date Data Arrived at EDR: 06/11/2021
Date Made Active in Reports: 09/07/2021
Number of Days to Update: 88

Source: EPA Region 1
Telephone: 617-918-1313
Last EDR Contact: 10/06/2022
Next Scheduled EDR Contact: 01/30/2023
Data Release Frequency: Varies

INDIAN LUST R9: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Arizona, California, New Mexico and Nevada

Date of Government Version: 04/08/2022
Date Data Arrived at EDR: 06/13/2022
Date Made Active in Reports: 08/16/2022
Number of Days to Update: 64

Source: Environmental Protection Agency
Telephone: 415-972-3372
Last EDR Contact: 12/06/2022
Next Scheduled EDR Contact: 01/30/2023
Data Release Frequency: Varies

INDIAN LUST R7: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Iowa, Kansas, and Nebraska

Date of Government Version: 04/14/2022
Date Data Arrived at EDR: 06/13/2022
Date Made Active in Reports: 08/16/2022
Number of Days to Update: 64

Source: EPA Region 7
Telephone: 913-551-7003
Last EDR Contact: 12/06/2022
Next Scheduled EDR Contact: 01/30/2023
Data Release Frequency: Varies

CPS-SLIC: Statewide SLIC Cases (GEOTRACKER)
Cleanup Program Sites (CPS; also known as Site Cleanups [SC] and formerly known as Spills, Leaks, Investigations, and Cleanups [SLIC] sites) included in GeoTracker. GeoTracker is the Water Boards data management system for sites that impact, or have the potential to impact, water quality in California, with emphasis on groundwater.

Date of Government Version: 08/31/2022
Date Data Arrived at EDR: 08/31/2022
Date Made Active in Reports: 11/17/2022
Number of Days to Update: 78
Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 12/02/2022
Next Scheduled EDR Contact: 03/20/2023
Data Release Frequency: Varies

SLIC REG 1: Active Toxic Site Investigations
The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 04/03/2003
Date Data Arrived at EDR: 04/07/2003
Date Made Active in Reports: 04/25/2003
Number of Days to Update: 18
Source: California Regional Water Quality Control Board, North Coast Region (1)
Telephone: 707-576-2220
Last EDR Contact: 08/01/2011
Next Scheduled EDR Contact: 11/14/2011
Data Release Frequency: No Update Planned

SLIC REG 2: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing
The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 09/30/2004
Date Data Arrived at EDR: 10/20/2004
Date Made Active in Reports: 11/19/2004
Number of Days to Update: 30
Source: Regional Water Quality Control Board San Francisco Bay Region (2)
Telephone: 510-286-0457
Last EDR Contact: 09/19/2011
Next Scheduled EDR Contact: 01/02/2012
Data Release Frequency: No Update Planned

SLIC REG 3: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing
The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 05/18/2006
Date Data Arrived at EDR: 05/18/2006
Date Made Active in Reports: 06/15/2006
Number of Days to Update: 28
Source: California Regional Water Quality Control Board Central Coast Region (3)
Telephone: 805-549-3147
Last EDR Contact: 07/18/2011
Next Scheduled EDR Contact: 10/31/2011
Data Release Frequency: No Update Planned

SLIC REG 4: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing
The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 11/17/2004
Date Data Arrived at EDR: 11/18/2004
Date Made Active in Reports: 01/04/2005
Number of Days to Update: 47
Source: Region Water Quality Control Board Los Angeles Region (4)
Telephone: 213-576-6600
Last EDR Contact: 07/01/2011
Next Scheduled EDR Contact: 10/17/2011
Data Release Frequency: No Update Planned

SLIC REG 5: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing
The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 04/01/2005
Date Data Arrived at EDR: 04/05/2005
Date Made Active in Reports: 04/21/2005
Number of Days to Update: 16
Source: Regional Water Quality Control Board Central Valley Region (5)
Telephone: 916-464-3291
Last EDR Contact: 09/12/2011
Next Scheduled EDR Contact: 12/26/2011
Data Release Frequency: No Update Planned

SLIC REG 6V: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing
The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 05/24/2005
Date Data Arrived at EDR: 05/25/2005
Date Made Active in Reports: 06/16/2005
Number of Days to Update: 22

Source: Regional Water Quality Control Board, Victorville Branch
Telephone: 619-241-6583
Last EDR Contact: 08/15/2011
Next Scheduled EDR Contact: 11/28/2011
Data Release Frequency: No Update Planned

SLIC REG 6L: SLIC Sites
The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 09/07/2004
Date Data Arrived at EDR: 09/07/2004
Date Made Active in Reports: 10/12/2004
Number of Days to Update: 35

Source: California Regional Water Quality Control Board, Lahontan Region
Telephone: 530-542-5574
Last EDR Contact: 08/15/2011
Next Scheduled EDR Contact: 11/28/2011
Data Release Frequency: No Update Planned

SLIC REG 7: SLIC List
The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 11/24/2004
Date Data Arrived at EDR: 11/29/2004
Date Made Active in Reports: 01/04/2005
Number of Days to Update: 36

Source: California Regional Quality Control Board, Colorado River Basin Region
Telephone: 760-346-7491
Last EDR Contact: 08/01/2011
Next Scheduled EDR Contact: 11/14/2011
Data Release Frequency: No Update Planned

SLIC REG 8: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing
The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 04/03/2008
Date Data Arrived at EDR: 04/03/2008
Date Made Active in Reports: 04/14/2008
Number of Days to Update: 11

Source: California Region Water Quality Control Board Santa Ana Region (8)
Telephone: 951-782-3298
Last EDR Contact: 09/12/2011
Next Scheduled EDR Contact: 12/26/2011
Data Release Frequency: No Update Planned

SLIC REG 9: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing
The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 09/10/2007
Date Data Arrived at EDR: 09/11/2007
Date Made Active in Reports: 09/28/2007
Number of Days to Update: 17

Source: California Regional Water Quality Control Board San Diego Region (9)
Telephone: 858-467-2980
Last EDR Contact: 08/08/2011
Next Scheduled EDR Contact: 11/21/2011
Data Release Frequency: No Update Planned

Lists of state and tribal registered storage tanks

FEMA UST: Underground Storage Tank Listing
A listing of all FEMA owned underground storage tanks.

Date of Government Version: 10/14/2021
Date Data Arrived at EDR: 11/05/2021
Date Made Active in Reports: 02/01/2022
Number of Days to Update: 88

Source: FEMA
Telephone: 202-646-5797
Last EDR Contact: 09/27/2022
Next Scheduled EDR Contact: 01/16/2023
Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

UST CLOSURE: Proposed Closure of Underground Storage Tank (UST) Cases

UST cases that are being considered for closure by either the State Water Resources Control Board or the Executive Director have been posted for a 60-day public comment period. UST Case Closures being proposed for consideration by the State Water Resources Control Board. These are primarily UST cases that meet closure criteria under the decisional framework in State Water Board Resolution No. 92-49 and other Board orders. UST Case Closures proposed for consideration by the Executive Director pursuant to State Water Board Resolution No. 2012-0061. These are cases that meet the criteria of the Low-Threat UST Case Closure Policy. UST Case Closure Review Denials and Approved Orders.

Date of Government Version: 08/24/2022
Date Data Arrived at EDR: 08/31/2022
Date Made Active in Reports: 11/21/2022
Number of Days to Update: 82

Source: State Water Resources Control Board
Telephone: 916-327-7844
Last EDR Contact: 12/02/2022
Next Scheduled EDR Contact: 03/20/2023
Data Release Frequency: Varies

UST: Active UST Facilities

Active UST facilities gathered from the local regulatory agencies

Date of Government Version: 08/31/2022
Date Data Arrived at EDR: 08/31/2022
Date Made Active in Reports: 11/28/2022
Number of Days to Update: 89

Source: SWRCB
Telephone: 916-341-5851
Last EDR Contact: 12/02/2022
Next Scheduled EDR Contact: 03/20/2023
Data Release Frequency: Semi-Annually

MILITARY UST SITES: Military UST Sites (GEOTRACKER)

Military ust sites

Date of Government Version: 08/31/2022
Date Data Arrived at EDR: 08/31/2022
Date Made Active in Reports: 11/17/2022
Number of Days to Update: 78

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 12/02/2022
Next Scheduled EDR Contact: 03/20/2023
Data Release Frequency: Varies

AST: Aboveground Petroleum Storage Tank Facilities

A listing of aboveground storage tank petroleum storage tank locations.

Date of Government Version: 07/06/2016
Date Data Arrived at EDR: 07/12/2016
Date Made Active in Reports: 09/19/2016
Number of Days to Update: 69

Source: California Environmental Protection Agency
Telephone: 916-327-5092
Last EDR Contact: 12/06/2022
Next Scheduled EDR Contact: 03/27/2023
Data Release Frequency: Varies

INDIAN UST R4: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 4 (Alabama, Florida, Georgia, Kentucky, Mississippi, North Carolina, South Carolina, Tennessee and Tribal Nations)

Date of Government Version: 06/02/2022
Date Data Arrived at EDR: 06/13/2022
Date Made Active in Reports: 08/31/2022
Number of Days to Update: 79

Source: EPA Region 4
Telephone: 404-562-9424
Last EDR Contact: 12/06/2022
Next Scheduled EDR Contact: 01/30/2023
Data Release Frequency: Varies

INDIAN UST R10: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 10 (Alaska, Idaho, Oregon, Washington, and Tribal Nations).

Date of Government Version: 04/20/2022
Date Data Arrived at EDR: 06/13/2022
Date Made Active in Reports: 08/16/2022
Number of Days to Update: 64

Source: EPA Region 10
Telephone: 206-553-2857
Last EDR Contact: 12/06/2022
Next Scheduled EDR Contact: 01/30/2023
Data Release Frequency: Varies

INDIAN UST R7: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 7 (Iowa, Kansas, Missouri, Nebraska, and 9 Tribal Nations).

Date of Government Version: 04/14/2022
Date Data Arrived at EDR: 06/13/2022
Date Made Active in Reports: 08/16/2022
Number of Days to Update: 64

Source: EPA Region 7
Telephone: 913-551-7003
Last EDR Contact: 12/06/2022
Next Scheduled EDR Contact: 01/30/2023
Data Release Frequency: Varies

INDIAN UST R8: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 8 (Colorado, Montana, North Dakota, South Dakota, Utah, Wyoming and 27 Tribal Nations).

Date of Government Version: 04/20/2022
Date Data Arrived at EDR: 06/13/2022
Date Made Active in Reports: 08/16/2022
Number of Days to Update: 64

Source: EPA Region 8
Telephone: 303-312-6137
Last EDR Contact: 12/06/2022
Next Scheduled EDR Contact: 01/30/2023
Data Release Frequency: Varies

INDIAN UST R9: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 9 (Arizona, California, Hawaii, Nevada, the Pacific Islands, and Tribal Nations).

Date of Government Version: 04/08/2022
Date Data Arrived at EDR: 06/13/2022
Date Made Active in Reports: 08/16/2022
Number of Days to Update: 64

Source: EPA Region 9
Telephone: 415-972-3368
Last EDR Contact: 12/06/2022
Next Scheduled EDR Contact: 01/30/2023
Data Release Frequency: Varies

INDIAN UST R1: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 1 (Connecticut, Maine, Massachusetts, New Hampshire, Rhode Island, Vermont and ten Tribal Nations).

Date of Government Version: 04/07/2022
Date Data Arrived at EDR: 06/13/2022
Date Made Active in Reports: 08/16/2022
Number of Days to Update: 64

Source: EPA, Region 1
Telephone: 617-918-1313
Last EDR Contact: 12/06/2022
Next Scheduled EDR Contact: 01/30/2023
Data Release Frequency: Varies

INDIAN UST R6: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 6 (Louisiana, Arkansas, Oklahoma, New Mexico, Texas and 65 Tribes).

Date of Government Version: 04/28/2022
Date Data Arrived at EDR: 06/13/2022
Date Made Active in Reports: 08/16/2022
Number of Days to Update: 64

Source: EPA Region 6
Telephone: 214-665-7591
Last EDR Contact: 12/06/2022
Next Scheduled EDR Contact: 01/30/2023
Data Release Frequency: Varies

INDIAN UST R5: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 5 (Michigan, Minnesota and Wisconsin and Tribal Nations).

Date of Government Version: 04/11/2022
Date Data Arrived at EDR: 06/13/2022
Date Made Active in Reports: 08/16/2022
Number of Days to Update: 64

Source: EPA Region 5
Telephone: 312-886-6136
Last EDR Contact: 12/06/2022
Next Scheduled EDR Contact: 01/30/2023
Data Release Frequency: Varies

Lists of state and tribal voluntary cleanup sites

VCP: Voluntary Cleanup Program Properties

Contains low threat level properties with either confirmed or unconfirmed releases and the project proponents have request that DTSC oversee investigation and/or cleanup activities and have agreed to provide coverage for DTSC's costs.

Date of Government Version: 07/25/2022
Date Data Arrived at EDR: 07/25/2022
Date Made Active in Reports: 10/05/2022
Number of Days to Update: 72

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 10/24/2022
Next Scheduled EDR Contact: 02/06/2023
Data Release Frequency: Quarterly

INDIAN VCP R7: Voluntary Cleanup Priority Lisitng

A listing of voluntary cleanup priority sites located on Indian Land located in Region 7.

Date of Government Version: 03/20/2008
Date Data Arrived at EDR: 04/22/2008
Date Made Active in Reports: 05/19/2008
Number of Days to Update: 27

Source: EPA, Region 7
Telephone: 913-551-7365
Last EDR Contact: 07/08/2021
Next Scheduled EDR Contact: 07/20/2009
Data Release Frequency: Varies

INDIAN VCP R1: Voluntary Cleanup Priority Listing

A listing of voluntary cleanup priority sites located on Indian Land located in Region 1.

Date of Government Version: 07/27/2015
Date Data Arrived at EDR: 09/29/2015
Date Made Active in Reports: 02/18/2016
Number of Days to Update: 142

Source: EPA, Region 1
Telephone: 617-918-1102
Last EDR Contact: 12/13/2022
Next Scheduled EDR Contact: 04/03/2023
Data Release Frequency: Varies

Lists of state and tribal brownfield sites

BROWNFIELDS: Considered Brownfieds Sites Listing

A listing of sites the SWRCB considers to be Brownfields since these are sites have come to them through the MOA Process.

Date of Government Version: 09/19/2022
Date Data Arrived at EDR: 09/19/2022
Date Made Active in Reports: 12/07/2022
Number of Days to Update: 79

Source: State Water Resources Control Board
Telephone: 916-323-7905
Last EDR Contact: 12/14/2022
Next Scheduled EDR Contact: 04/03/2023
Data Release Frequency: Quarterly

ADDITIONAL ENVIRONMENTAL RECORDS

Local Brownfield lists

US BROWNFIELDS: A Listing of Brownfields Sites

Brownfields are real property, the expansion, redevelopment, or reuse of which may be complicated by the presence or potential presence of a hazardous substance, pollutant, or contaminant. Cleaning up and reinvesting in these properties takes development pressures off of undeveloped, open land, and both improves and protects the environment. Assessment, Cleanup and Redevelopment Exchange System (ACRES) stores information reported by EPA Brownfields grant recipients on brownfields properties assessed or cleaned up with grant funding as well as information on Targeted Brownfields Assessments performed by EPA Regions. A listing of ACRES Brownfield sites is obtained from Cleanups in My Community. Cleanups in My Community provides information on Brownfields properties for which information is reported back to EPA, as well as areas served by Brownfields grant programs.

Date of Government Version: 02/23/2022
Date Data Arrived at EDR: 03/10/2022
Date Made Active in Reports: 03/10/2022
Number of Days to Update: 0

Source: Environmental Protection Agency
Telephone: 202-566-2777
Last EDR Contact: 12/07/2022
Next Scheduled EDR Contact: 03/27/2023
Data Release Frequency: Semi-Annually

Local Lists of Landfill / Solid Waste Disposal Sites

WMUDS/SWAT: Waste Management Unit Database

Waste Management Unit Database System. WMUDS is used by the State Water Resources Control Board staff and the Regional Water Quality Control Boards for program tracking and inventory of waste management units. WMUDS is composed of the following databases: Facility Information, Scheduled Inspections Information, Waste Management Unit Information, SWAT Program Information, SWAT Report Summary Information, SWAT Report Summary Data, Chapter 15 (formerly Subchapter 15) Information, Chapter 15 Monitoring Parameters, TPCA Program Information, RCRA Program Information, Closure Information, and Interested Parties Information.

Date of Government Version: 04/01/2000
Date Data Arrived at EDR: 04/10/2000
Date Made Active in Reports: 05/10/2000
Number of Days to Update: 30

Source: State Water Resources Control Board
Telephone: 916-227-4448
Last EDR Contact: 10/20/2022
Next Scheduled EDR Contact: 02/06/2023
Data Release Frequency: No Update Planned

SWRCY: Recycler Database

A listing of recycling facilities in California.

Date of Government Version: 08/31/2022
Date Data Arrived at EDR: 08/31/2022
Date Made Active in Reports: 11/18/2022
Number of Days to Update: 79

Source: Department of Conservation
Telephone: 916-323-3836
Last EDR Contact: 12/02/2022
Next Scheduled EDR Contact: 03/20/2023
Data Release Frequency: Quarterly

HAULERS: Registered Waste Tire Haulers Listing

A listing of registered waste tire haulers.

Date of Government Version: 08/12/2022
Date Data Arrived at EDR: 08/16/2022
Date Made Active in Reports: 08/26/2022
Number of Days to Update: 10

Source: Integrated Waste Management Board
Telephone: 916-341-6422
Last EDR Contact: 11/15/2022
Next Scheduled EDR Contact: 02/20/2023
Data Release Frequency: Varies

INDIAN ODI: Report on the Status of Open Dumps on Indian Lands

Location of open dumps on Indian land.

Date of Government Version: 12/31/1998
Date Data Arrived at EDR: 12/03/2007
Date Made Active in Reports: 01/24/2008
Number of Days to Update: 52

Source: Environmental Protection Agency
Telephone: 703-308-8245
Last EDR Contact: 10/20/2022
Next Scheduled EDR Contact: 02/06/2023
Data Release Frequency: Varies

DEBRIS REGION 9: Torres Martinez Reservation Illegal Dump Site Locations

A listing of illegal dump sites location on the Torres Martinez Indian Reservation located in eastern Riverside County and northern Imperial County, California.

Date of Government Version: 01/12/2009
Date Data Arrived at EDR: 05/07/2009
Date Made Active in Reports: 09/21/2009
Number of Days to Update: 137

Source: EPA, Region 9
Telephone: 415-947-4219
Last EDR Contact: 10/11/2022
Next Scheduled EDR Contact: 01/30/2023
Data Release Frequency: No Update Planned

ODI: Open Dump Inventory

An open dump is defined as a disposal facility that does not comply with one or more of the Part 257 or Part 258 Subtitle D Criteria.

Date of Government Version: 06/30/1985
Date Data Arrived at EDR: 08/09/2004
Date Made Active in Reports: 09/17/2004
Number of Days to Update: 39

Source: Environmental Protection Agency
Telephone: 800-424-9346
Last EDR Contact: 06/09/2004
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

IHS OPEN DUMPS: Open Dumps on Indian Land

A listing of all open dumps located on Indian Land in the United States.

Date of Government Version: 04/01/2014
Date Data Arrived at EDR: 08/06/2014
Date Made Active in Reports: 01/29/2015
Number of Days to Update: 176

Source: Department of Health & Human Serivces, Indian Health Service
Telephone: 301-443-1452
Last EDR Contact: 10/28/2022
Next Scheduled EDR Contact: 02/06/2023
Data Release Frequency: Varies

Local Lists of Hazardous waste / Contaminated Sites

US HIST CDL: National Clandestine Laboratory Register

A listing of clandestine drug lab locations that have been removed from the DEAs National Clandestine Laboratory Register.

Date of Government Version: 07/29/2022
Date Data Arrived at EDR: 08/18/2022
Date Made Active in Reports: 10/24/2022
Number of Days to Update: 67

Source: Drug Enforcement Administration
Telephone: 202-307-1000
Last EDR Contact: 11/16/2022
Next Scheduled EDR Contact: 03/06/2023
Data Release Frequency: No Update Planned

HIST CAL-SITES: Calsites Database

The Calsites database contains potential or confirmed hazardous substance release properties. In 1996, California EPA reevaluated and significantly reduced the number of sites in the Calsites database. No longer updated by the state agency. It has been replaced by ENVIROSTOR.

Date of Government Version: 08/08/2005
Date Data Arrived at EDR: 08/03/2006
Date Made Active in Reports: 08/24/2006
Number of Days to Update: 21

Source: Department of Toxic Substance Control
Telephone: 916-323-3400
Last EDR Contact: 02/23/2009
Next Scheduled EDR Contact: 05/25/2009
Data Release Frequency: No Update Planned

SCH: School Property Evaluation Program

This category contains proposed and existing school sites that are being evaluated by DTSC for possible hazardous materials contamination. In some cases, these properties may be listed in the CalSites category depending on the level of threat to public health and safety or the environment they pose.

Date of Government Version: 07/25/2022
Date Data Arrived at EDR: 07/25/2022
Date Made Active in Reports: 10/05/2022
Number of Days to Update: 72

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 10/24/2022
Next Scheduled EDR Contact: 02/06/2023
Data Release Frequency: Quarterly

CDL: Clandestine Drug Labs

A listing of drug lab locations. Listing of a location in this database does not indicate that any illegal drug lab materials were or were not present there, and does not constitute a determination that the location either requires or does not require additional cleanup work.

Date of Government Version: 12/31/2019
Date Data Arrived at EDR: 01/20/2021
Date Made Active in Reports: 04/08/2021
Number of Days to Update: 78

Source: Department of Toxic Substances Control
Telephone: 916-255-6504
Last EDR Contact: 11/23/2022
Next Scheduled EDR Contact: 02/13/2023
Data Release Frequency: Varies

TOXIC PITS: Toxic Pits Cleanup Act Sites

Toxic PITS Cleanup Act Sites. TOXIC PITS identifies sites suspected of containing hazardous substances where cleanup has not yet been completed.

Date of Government Version: 07/01/1995
Date Data Arrived at EDR: 08/30/1995
Date Made Active in Reports: 09/26/1995
Number of Days to Update: 27

Source: State Water Resources Control Board
Telephone: 916-227-4364
Last EDR Contact: 01/26/2009
Next Scheduled EDR Contact: 04/27/2009
Data Release Frequency: No Update Planned

CERS HAZ WASTE: CERS HAZ WASTE

List of sites in the California Environmental Protection Agency (CalEPA) Regulated Site Portal which fall under the Hazardous Chemical Management, Hazardous Waste Onsite Treatment, Household Hazardous Waste Collection, Hazardous Waste Generator, and RCRA LQ HW Generator programs.

Date of Government Version: 07/18/2022
Date Data Arrived at EDR: 07/18/2022
Date Made Active in Reports: 09/30/2022
Number of Days to Update: 74

Source: CalEPA
Telephone: 916-323-2514
Last EDR Contact: 10/17/2022
Next Scheduled EDR Contact: 01/30/2023
Data Release Frequency: Quarterly

US CDL: Clandestine Drug Labs

A listing of clandestine drug lab locations. The U.S. Department of Justice ("the Department") provides this web site as a public service. It contains addresses of some locations where law enforcement agencies reported they found chemicals or other items that indicated the presence of either clandestine drug laboratories or dumpsites. In most cases, the source of the entries is not the Department, and the Department has not verified the entry and does not guarantee its accuracy. Members of the public must verify the accuracy of all entries by, for example, contacting local law enforcement and local health departments.

Date of Government Version: 07/29/2022
Date Data Arrived at EDR: 08/18/2022
Date Made Active in Reports: 10/24/2022
Number of Days to Update: 67

Source: Drug Enforcement Administration
Telephone: 202-307-1000
Last EDR Contact: 11/16/2022
Next Scheduled EDR Contact: 03/06/2023
Data Release Frequency: Quarterly

Local Lists of Registered Storage Tanks

SWEEPS UST: SWEEPS UST Listing

Statewide Environmental Evaluation and Planning System. This underground storage tank listing was updated and maintained by a company contacted by the SWRCB in the early 1990's. The listing is no longer updated or maintained. The local agency is the contact for more information on a site on the SWEEPS list.

Date of Government Version: 06/01/1994
Date Data Arrived at EDR: 07/07/2005
Date Made Active in Reports: 08/11/2005
Number of Days to Update: 35

Source: State Water Resources Control Board
Telephone: N/A
Last EDR Contact: 06/03/2005
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

HIST UST: Hazardous Substance Storage Container Database

The Hazardous Substance Storage Container Database is a historical listing of UST sites. Refer to local/county source for current data.

Date of Government Version: 10/15/1990
Date Data Arrived at EDR: 01/25/1991
Date Made Active in Reports: 02/12/1991
Number of Days to Update: 18

Source: State Water Resources Control Board
Telephone: 916-341-5851
Last EDR Contact: 07/26/2001
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

SAN FRANCISCO AST: Aboveground Storage Tank Site Listing

Aboveground storage tank sites

Date of Government Version: 08/04/2022
Date Data Arrived at EDR: 08/04/2022
Date Made Active in Reports: 10/20/2022
Number of Days to Update: 77

Source: San Francisco County Department of Public Health
Telephone: 415-252-3896
Last EDR Contact: 10/26/2022
Next Scheduled EDR Contact: 02/16/2023
Data Release Frequency: Varies

CA FID UST: Facility Inventory Database

The Facility Inventory Database (FID) contains a historical listing of active and inactive underground storage tank locations from the State Water Resource Control Board. Refer to local/county source for current data.

Date of Government Version: 10/31/1994
Date Data Arrived at EDR: 09/05/1995
Date Made Active in Reports: 09/29/1995
Number of Days to Update: 24

Source: California Environmental Protection Agency
Telephone: 916-341-5851
Last EDR Contact: 12/28/1998
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

CERS TANKS: California Environmental Reporting System (CERS) Tanks

List of sites in the California Environmental Protection Agency (CalEPA) Regulated Site Portal which fall under the Aboveground Petroleum Storage and Underground Storage Tank regulatory programs.

Date of Government Version: 07/18/2022
Date Data Arrived at EDR: 07/18/2022
Date Made Active in Reports: 09/30/2022
Number of Days to Update: 74

Source: California Environmental Protection Agency
Telephone: 916-323-2514
Last EDR Contact: 10/17/2022
Next Scheduled EDR Contact: 01/30/2023
Data Release Frequency: Quarterly

Local Land Records

LIENS: Environmental Liens Listing

A listing of property locations with environmental liens for California where DTSC is a lien holder.

Date of Government Version: 08/23/2022
Date Data Arrived at EDR: 08/24/2022
Date Made Active in Reports: 11/14/2022
Number of Days to Update: 82

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 12/06/2022
Next Scheduled EDR Contact: 03/13/2023
Data Release Frequency: Varies

LIENS 2: CERCLA Lien Information

A Federal CERCLA ('Superfund') lien can exist by operation of law at any site or property at which EPA has spent Superfund monies. These monies are spent to investigate and address releases and threatened releases of contamination. CERCLIS provides information as to the identity of these sites and properties.

Date of Government Version: 10/27/2022
Date Data Arrived at EDR: 11/01/2022
Date Made Active in Reports: 11/15/2022
Number of Days to Update: 14

Source: Environmental Protection Agency
Telephone: 202-564-6023
Last EDR Contact: 12/01/2022
Next Scheduled EDR Contact: 01/09/2023
Data Release Frequency: Semi-Annually

DEED: Deed Restriction Listing

Site Mitigation and Brownfields Reuse Program Facility Sites with Deed Restrictions & Hazardous Waste Management Program Facility Sites with Deed / Land Use Restriction. The DTSC Site Mitigation and Brownfields Reuse Program (SMBRP) list includes sites cleaned up under the program's oversight and generally does not include current or former hazardous waste facilities that required a hazardous waste facility permit. The list represents deed restrictions that are active. Some sites have multiple deed restrictions. The DTSC Hazardous Waste Management Program (HWMP) has developed a list of current or former hazardous waste facilities that have a recorded land use restriction at the local county recorder's office. The land use restrictions on this list were required by the DTSC HWMP as a result of the presence of hazardous substances that remain on site after the facility (or part of the facility) has been closed or cleaned up. The types of land use restriction include deed notice, deed restriction, or a land use restriction that binds current and future owners.

Date of Government Version: 08/25/2022
Date Data Arrived at EDR: 08/25/2022
Date Made Active in Reports: 11/14/2022
Number of Days to Update: 81

Source: DTSC and SWRCB
Telephone: 916-323-3400
Last EDR Contact: 11/29/2022
Next Scheduled EDR Contact: 03/13/2023
Data Release Frequency: Semi-Annually

Records of Emergency Release Reports

HMIRS: Hazardous Materials Information Reporting System
Hazardous Materials Incident Report System. HMIRS contains hazardous material spill incidents reported to DOT.

Date of Government Version: 09/19/2022
Date Data Arrived at EDR: 09/19/2022
Date Made Active in Reports: 09/30/2022
Number of Days to Update: 11

Source: U.S. Department of Transportation
Telephone: 202-366-4555
Last EDR Contact: 12/14/2022
Next Scheduled EDR Contact: 04/03/2023
Data Release Frequency: Quarterly

CHMIRS: California Hazardous Material Incident Report System
California Hazardous Material Incident Reporting System. CHMIRS contains information on reported hazardous material incidents (accidental releases or spills).

Date of Government Version: 06/30/2022
Date Data Arrived at EDR: 07/18/2022
Date Made Active in Reports: 09/30/2022
Number of Days to Update: 74

Source: Office of Emergency Services
Telephone: 916-845-8400
Last EDR Contact: 10/17/2022
Next Scheduled EDR Contact: 01/30/2023
Data Release Frequency: Semi-Annually

LDS: Land Disposal Sites Listing (GEOTRACKER)
Land Disposal sites (Landfills) included in GeoTracker. GeoTracker is the Water Boards data management system for sites that impact, or have the potential to impact, water quality in California, with emphasis on groundwater.

Date of Government Version: 08/31/2022
Date Data Arrived at EDR: 08/31/2022
Date Made Active in Reports: 11/17/2022
Number of Days to Update: 78

Source: State Water Qualilty Control Board
Telephone: 866-480-1028
Last EDR Contact: 12/02/2022
Next Scheduled EDR Contact: 03/20/2023
Data Release Frequency: Quarterly

MCS: Military Cleanup Sites Listing (GEOTRACKER)
Military sites (consisting of: Military UST sites; Military Privatized sites; and Military Cleanup sites [formerly known as DoD non UST]) included in GeoTracker. GeoTracker is the Water Boards data management system for sites that impact, or have the potential to impact, water quality in California, with emphasis on groundwater.

Date of Government Version: 08/31/2022
Date Data Arrived at EDR: 08/31/2022
Date Made Active in Reports: 11/17/2022
Number of Days to Update: 78

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 12/02/2022
Next Scheduled EDR Contact: 03/20/2023
Data Release Frequency: Quarterly

SPILLS 90: SPILLS90 data from FirstSearch
Spills 90 includes those spill and release records available exclusively from FirstSearch databases. Typically, they may include chemical, oil and/or hazardous substance spills recorded after 1990. Duplicate records that are already included in EDR incident and release records are not included in Spills 90.

Date of Government Version: 06/06/2012
Date Data Arrived at EDR: 01/03/2013
Date Made Active in Reports: 02/22/2013
Number of Days to Update: 50

Source: FirstSearch
Telephone: N/A
Last EDR Contact: 01/03/2013
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

Other Ascertainable Records

RCRA NonGen / NLR: RCRA - Non Generators / No Longer Regulated
RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Non-Generators do not presently generate hazardous waste.

Date of Government Version: 11/21/2022
Date Data Arrived at EDR: 11/21/2022
Date Made Active in Reports: 12/05/2022
Number of Days to Update: 14

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 11/21/2022
Next Scheduled EDR Contact: 01/02/2023
Data Release Frequency: Quarterly

FUDS: Formerly Used Defense Sites

The listing includes locations of Formerly Used Defense Sites properties where the US Army Corps of Engineers is actively working or will take necessary cleanup actions.

Date of Government Version: 08/11/2022
Date Data Arrived at EDR: 08/11/2022
Date Made Active in Reports: 09/30/2022
Number of Days to Update: 50

Source: U.S. Army Corps of Engineers
Telephone: 202-528-4285
Last EDR Contact: 11/10/2022
Next Scheduled EDR Contact: 02/27/2023
Data Release Frequency: Varies

DOD: Department of Defense Sites

This data set consists of federally owned or administered lands, administered by the Department of Defense, that have any area equal to or greater than 640 acres of the United States, Puerto Rico, and the U.S. Virgin Islands.

Date of Government Version: 06/07/2021
Date Data Arrived at EDR: 07/13/2021
Date Made Active in Reports: 03/09/2022
Number of Days to Update: 239

Source: USGS
Telephone: 888-275-8747
Last EDR Contact: 10/13/2022
Next Scheduled EDR Contact: 01/23/2023
Data Release Frequency: Varies

FEDLAND: Federal and Indian Lands

Federally and Indian administrated lands of the United States. Lands included are administrated by: Army Corps of Engineers, Bureau of Reclamation, National Wild and Scenic River, National Wildlife Refuge, Public Domain Land, Wilderness, Wilderness Study Area, Wildlife Management Area, Bureau of Indian Affairs, Bureau of Land Management, Department of Justice, Forest Service, Fish and Wildlife Service, National Park Service.

Date of Government Version: 04/02/2018
Date Data Arrived at EDR: 04/11/2018
Date Made Active in Reports: 11/06/2019
Number of Days to Update: 574

Source: U.S. Geological Survey
Telephone: 888-275-8747
Last EDR Contact: 10/03/2022
Next Scheduled EDR Contact: 01/16/2023
Data Release Frequency: N/A

SCRD DRYCLEANERS: State Coalition for Remediation of Drycleaners Listing

The State Coalition for Remediation of Drycleaners was established in 1998, with support from the U.S. EPA Office of Superfund Remediation and Technology Innovation. It is comprised of representatives of states with established drycleaner remediation programs. Currently the member states are Alabama, Connecticut, Florida, Illinois, Kansas, Minnesota, Missouri, North Carolina, Oregon, South Carolina, Tennessee, Texas, and Wisconsin.

Date of Government Version: 01/01/2017
Date Data Arrived at EDR: 02/03/2017
Date Made Active in Reports: 04/07/2017
Number of Days to Update: 63

Source: Environmental Protection Agency
Telephone: 615-532-8599
Last EDR Contact: 11/03/2022
Next Scheduled EDR Contact: 02/20/2023
Data Release Frequency: Varies

US FIN ASSUR: Financial Assurance Information

All owners and operators of facilities that treat, store, or dispose of hazardous waste are required to provide proof that they will have sufficient funds to pay for the clean up, closure, and post-closure care of their facilities.

Date of Government Version: 06/20/2022
Date Data Arrived at EDR: 06/21/2022
Date Made Active in Reports: 08/31/2022
Number of Days to Update: 71

Source: Environmental Protection Agency
Telephone: 202-566-1917
Last EDR Contact: 12/14/2022
Next Scheduled EDR Contact: 04/03/2023
Data Release Frequency: Quarterly

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

EPA WATCH LIST: EPA WATCH LIST

EPA maintains a "Watch List" to facilitate dialogue between EPA, state and local environmental agencies on enforcement matters relating to facilities with alleged violations identified as either significant or high priority. Being on the Watch List does not mean that the facility has actually violated the law only that an investigation by EPA or a state or local environmental agency has led those organizations to allege that an unproven violation has in fact occurred. Being on the Watch List does not represent a higher level of concern regarding the alleged violations that were detected, but instead indicates cases requiring additional dialogue between EPA, state and local agencies - primarily because of the length of time the alleged violation has gone unaddressed or unresolved.

Date of Government Version: 08/30/2013
Date Data Arrived at EDR: 03/21/2014
Date Made Active in Reports: 06/17/2014
Number of Days to Update: 88

Source: Environmental Protection Agency
Telephone: 617-520-3000
Last EDR Contact: 10/28/2022
Next Scheduled EDR Contact: 02/16/2023
Data Release Frequency: Quarterly

2020 COR ACTION: 2020 Corrective Action Program List

The EPA has set ambitious goals for the RCRA Corrective Action program by creating the 2020 Corrective Action Universe. This RCRA cleanup baseline includes facilities expected to need corrective action. The 2020 universe contains a wide variety of sites. Some properties are heavily contaminated while others were contaminated but have since been cleaned up. Still others have not been fully investigated yet, and may require little or no remediation. Inclusion in the 2020 Universe does not necessarily imply failure on the part of a facility to meet its RCRA obligations.

Date of Government Version: 09/30/2017
Date Data Arrived at EDR: 05/08/2018
Date Made Active in Reports: 07/20/2018
Number of Days to Update: 73

Source: Environmental Protection Agency
Telephone: 703-308-4044
Last EDR Contact: 10/28/2022
Next Scheduled EDR Contact: 02/16/2023
Data Release Frequency: Varies

TSCA: Toxic Substances Control Act

Toxic Substances Control Act. TSCA identifies manufacturers and importers of chemical substances included on the TSCA Chemical Substance Inventory list. It includes data on the production volume of these substances by plant site.

Date of Government Version: 12/31/2016
Date Data Arrived at EDR: 06/17/2020
Date Made Active in Reports: 09/10/2020
Number of Days to Update: 85

Source: EPA
Telephone: 202-260-5521
Last EDR Contact: 12/12/2022
Next Scheduled EDR Contact: 03/27/2023
Data Release Frequency: Every 4 Years

TRIS: Toxic Chemical Release Inventory System

Toxic Release Inventory System. TRIS identifies facilities which release toxic chemicals to the air, water and land in reportable quantities under SARA Title III Section 313.

Date of Government Version: 12/31/2018
Date Data Arrived at EDR: 08/14/2020
Date Made Active in Reports: 11/04/2020
Number of Days to Update: 82

Source: EPA
Telephone: 202-566-0250
Last EDR Contact: 11/01/2022
Next Scheduled EDR Contact: 02/27/2023
Data Release Frequency: Annually

SSTS: Section 7 Tracking Systems

Section 7 of the Federal Insecticide, Fungicide and Rodenticide Act, as amended (92 Stat. 829) requires all registered pesticide-producing establishments to submit a report to the Environmental Protection Agency by March 1st each year. Each establishment must report the types and amounts of pesticides, active ingredients and devices being produced, and those having been produced and sold or distributed in the past year.

Date of Government Version: 07/18/2022
Date Data Arrived at EDR: 07/18/2022
Date Made Active in Reports: 07/29/2022
Number of Days to Update: 11

Source: EPA
Telephone: 202-564-4203
Last EDR Contact: 10/18/2022
Next Scheduled EDR Contact: 01/30/2023
Data Release Frequency: Annually

ROD: Records Of Decision

Record of Decision. ROD documents mandate a permanent remedy at an NPL (Superfund) site containing technical and health information to aid in the cleanup.

Date of Government Version: 10/27/2022
Date Data Arrived at EDR: 11/01/2022
Date Made Active in Reports: 11/15/2022
Number of Days to Update: 14

Source: EPA
Telephone: 703-416-0223
Last EDR Contact: 12/01/2022
Next Scheduled EDR Contact: 03/13/2023
Data Release Frequency: Annually

RMP: Risk Management Plans

When Congress passed the Clean Air Act Amendments of 1990, it required EPA to publish regulations and guidance for chemical accident prevention at facilities using extremely hazardous substances. The Risk Management Program Rule (RMP Rule) was written to implement Section 112(r) of these amendments. The rule, which built upon existing industry codes and standards, requires companies of all sizes that use certain flammable and toxic substances to develop a Risk Management Program, which includes a(n): Hazard assessment that details the potential effects of an accidental release, an accident history of the last five years, and an evaluation of worst-case and alternative accidental releases; Prevention program that includes safety precautions and maintenance, monitoring, and employee training measures; and Emergency response program that spells out emergency health care, employee training measures and procedures for informing the public and response agencies (e.g the fire department) should an accident occur.

Date of Government Version: 04/27/2022
Date Data Arrived at EDR: 05/04/2022
Date Made Active in Reports: 05/10/2022
Number of Days to Update: 6

Source: Environmental Protection Agency
Telephone: 202-564-8600
Last EDR Contact: 10/27/2022
Next Scheduled EDR Contact: 01/30/2023
Data Release Frequency: Varies

RAATS: RCRA Administrative Action Tracking System

RCRA Administration Action Tracking System. RAATS contains records based on enforcement actions issued under RCRA pertaining to major violators and includes administrative and civil actions brought by the EPA. For administration actions after September 30, 1995, data entry in the RAATS database was discontinued. EPA will retain a copy of the database for historical records. It was necessary to terminate RAATS because a decrease in agency resources made it impossible to continue to update the information contained in the database.

Date of Government Version: 04/17/1995
Date Data Arrived at EDR: 07/03/1995
Date Made Active in Reports: 08/07/1995
Number of Days to Update: 35

Source: EPA
Telephone: 202-564-4104
Last EDR Contact: 06/02/2008
Next Scheduled EDR Contact: 09/01/2008
Data Release Frequency: No Update Planned

PRP: Potentially Responsible Parties

A listing of verified Potentially Responsible Parties

Date of Government Version: 10/27/2022
Date Data Arrived at EDR: 11/01/2022
Date Made Active in Reports: 11/15/2022
Number of Days to Update: 14

Source: EPA
Telephone: 202-564-6023
Last EDR Contact: 12/01/2022
Next Scheduled EDR Contact: 02/16/2023
Data Release Frequency: Quarterly

PADS: PCB Activity Database System

PCB Activity Database. PADS Identifies generators, transporters, commercial storers and/or brokers and disposers of PCB's who are required to notify the EPA of such activities.

Date of Government Version: 01/20/2022
Date Data Arrived at EDR: 01/20/2022
Date Made Active in Reports: 03/25/2022
Number of Days to Update: 64

Source: EPA
Telephone: 202-566-0500
Last EDR Contact: 10/06/2022
Next Scheduled EDR Contact: 01/16/2023
Data Release Frequency: Annually

ICIS: Integrated Compliance Information System

The Integrated Compliance Information System (ICIS) supports the information needs of the national enforcement and compliance program as well as the unique needs of the National Pollutant Discharge Elimination System (NPDES) program.

Date of Government Version: 11/18/2016
Date Data Arrived at EDR: 11/23/2016
Date Made Active in Reports: 02/10/2017
Number of Days to Update: 79

Source: Environmental Protection Agency
Telephone: 202-564-2501
Last EDR Contact: 09/27/2022
Next Scheduled EDR Contact: 01/16/2023
Data Release Frequency: Quarterly

FTTS: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)

FTTS tracks administrative cases and pesticide enforcement actions and compliance activities related to FIFRA, TSCA and EPCRA (Emergency Planning and Community Right-to-Know Act). To maintain currency, EDR contacts the Agency on a quarterly basis.

Date of Government Version: 04/09/2009
Date Data Arrived at EDR: 04/16/2009
Date Made Active in Reports: 05/11/2009
Number of Days to Update: 25

Source: EPA/Office of Prevention, Pesticides and Toxic Substances
Telephone: 202-566-1667
Last EDR Contact: 08/18/2017
Next Scheduled EDR Contact: 12/04/2017
Data Release Frequency: No Update Planned

FTTS INSP: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)

A listing of FIFRA/TSCA Tracking System (FTTS) inspections and enforcements.

Date of Government Version: 04/09/2009
Date Data Arrived at EDR: 04/16/2009
Date Made Active in Reports: 05/11/2009
Number of Days to Update: 25

Source: EPA
Telephone: 202-566-1667
Last EDR Contact: 08/18/2017
Next Scheduled EDR Contact: 12/04/2017
Data Release Frequency: No Update Planned

MLTS: Material Licensing Tracking System

MLTS is maintained by the Nuclear Regulatory Commission and contains a list of approximately 8,100 sites which possess or use radioactive materials and which are subject to NRC licensing requirements. To maintain currency, EDR contacts the Agency on a quarterly basis.

Date of Government Version: 10/26/2022
Date Data Arrived at EDR: 11/22/2022
Date Made Active in Reports: 12/05/2022
Number of Days to Update: 13

Source: Nuclear Regulatory Commission
Telephone: 301-415-7169
Last EDR Contact: 10/11/2022
Next Scheduled EDR Contact: 01/30/2023
Data Release Frequency: Quarterly

COAL ASH DOE: Steam-Electric Plant Operation Data

A listing of power plants that store ash in surface ponds.

Date of Government Version: 12/31/2020
Date Data Arrived at EDR: 11/30/2021
Date Made Active in Reports: 02/22/2022
Number of Days to Update: 84

Source: Department of Energy
Telephone: 202-586-8719
Last EDR Contact: 11/29/2022
Next Scheduled EDR Contact: 03/13/2023
Data Release Frequency: Varies

COAL ASH EPA: Coal Combustion Residues Surface Impoundments List

A listing of coal combustion residues surface impoundments with high hazard potential ratings.

Date of Government Version: 01/12/2017
Date Data Arrived at EDR: 03/05/2019
Date Made Active in Reports: 11/11/2019
Number of Days to Update: 251

Source: Environmental Protection Agency
Telephone: N/A
Last EDR Contact: 11/23/2022
Next Scheduled EDR Contact: 03/13/2023
Data Release Frequency: Varies

PCB TRANSFORMER: PCB Transformer Registration Database
The database of PCB transformer registrations that includes all PCB registration submittals.

Date of Government Version: 09/13/2019
Date Data Arrived at EDR: 11/06/2019
Date Made Active in Reports: 02/10/2020
Number of Days to Update: 96
Source: Environmental Protection Agency
Telephone: 202-566-0517
Last EDR Contact: 11/03/2022
Next Scheduled EDR Contact: 02/13/2023
Data Release Frequency: Varies

RADINFO: Radiation Information Database
The Radiation Information Database (RADINFO) contains information about facilities that are regulated by U.S. Environmental Protection Agency (EPA) regulations for radiation and radioactivity.

Date of Government Version: 07/01/2019
Date Data Arrived at EDR: 07/01/2019
Date Made Active in Reports: 09/23/2019
Number of Days to Update: 84
Source: Environmental Protection Agency
Telephone: 202-343-9775
Last EDR Contact: 09/21/2022
Next Scheduled EDR Contact: 01/10/2023
Data Release Frequency: Quarterly

HIST FTTS: FIFRA/TSCA Tracking System Administrative Case Listing
A complete administrative case listing from the FIFRA/TSCA Tracking System (FTTS) for all ten EPA regions. The information was obtained from the National Compliance Database (NCDB). NCDB supports the implementation of FIFRA (Federal Insecticide, Fungicide, and Rodenticide Act) and TSCA (Toxic Substances Control Act). Some EPA regions are now closing out records. Because of that, and the fact that some EPA regions are not providing EPA Headquarters with updated records, it was decided to create a HIST FTTS database. It included records that may not be included in the newer FTTS database updates. This database is no longer updated.

Date of Government Version: 10/19/2006
Date Data Arrived at EDR: 03/01/2007
Date Made Active in Reports: 04/10/2007
Number of Days to Update: 40
Source: Environmental Protection Agency
Telephone: 202-564-2501
Last EDR Contact: 12/17/2007
Next Scheduled EDR Contact: 03/17/2008
Data Release Frequency: No Update Planned

HIST FTTS INSP: FIFRA/TSCA Tracking System Inspection & Enforcement Case Listing
A complete inspection and enforcement case listing from the FIFRA/TSCA Tracking System (FTTS) for all ten EPA regions. The information was obtained from the National Compliance Database (NCDB). NCDB supports the implementation of FIFRA (Federal Insecticide, Fungicide, and Rodenticide Act) and TSCA (Toxic Substances Control Act). Some EPA regions are now closing out records. Because of that, and the fact that some EPA regions are not providing EPA Headquarters with updated records, it was decided to create a HIST FTTS database. It included records that may not be included in the newer FTTS database updates. This database is no longer updated.

Date of Government Version: 10/19/2006
Date Data Arrived at EDR: 03/01/2007
Date Made Active in Reports: 04/10/2007
Number of Days to Update: 40
Source: Environmental Protection Agency
Telephone: 202-564-2501
Last EDR Contact: 12/17/2008
Next Scheduled EDR Contact: 03/17/2008
Data Release Frequency: No Update Planned

DOT OPS: Incident and Accident Data
Department of Transporation, Office of Pipeline Safety Incident and Accident data.

Date of Government Version: 01/02/2020
Date Data Arrived at EDR: 01/28/2020
Date Made Active in Reports: 04/17/2020
Number of Days to Update: 80
Source: Department of Transporation, Office of Pipeline Safety
Telephone: 202-366-4595
Last EDR Contact: 10/24/2022
Next Scheduled EDR Contact: 02/06/2023
Data Release Frequency: Quarterly

CONSENT: Superfund (CERCLA) Consent Decrees
Major legal settlements that establish responsibility and standards for cleanup at NPL (Superfund) sites. Released periodically by United States District Courts after settlement by parties to litigation matters.

Date of Government Version: 06/30/2022
Date Data Arrived at EDR: 07/21/2022
Date Made Active in Reports: 09/30/2022
Number of Days to Update: 71

Source: Department of Justice, Consent Decree Library
Telephone: Varies
Last EDR Contact: 09/27/2022
Next Scheduled EDR Contact: 01/16/2023
Data Release Frequency: Varies

BRS: Biennial Reporting System

The Biennial Reporting System is a national system administered by the EPA that collects data on the generation and management of hazardous waste. BRS captures detailed data from two groups: Large Quantity Generators (LQG) and Treatment, Storage, and Disposal Facilities.

Date of Government Version: 12/31/2019
Date Data Arrived at EDR: 03/02/2022
Date Made Active in Reports: 03/25/2022
Number of Days to Update: 23

Source: EPA/NTIS
Telephone: 800-424-9346
Last EDR Contact: 11/21/2022
Next Scheduled EDR Contact: 01/02/2023
Data Release Frequency: Biennially

INDIAN RESERV: Indian Reservations

This map layer portrays Indian administered lands of the United States that have any area equal to or greater than 640 acres.

Date of Government Version: 12/31/2014
Date Data Arrived at EDR: 07/14/2015
Date Made Active in Reports: 01/10/2017
Number of Days to Update: 546

Source: USGS
Telephone: 202-208-3710
Last EDR Contact: 10/06/2022
Next Scheduled EDR Contact: 01/16/2023
Data Release Frequency: Semi-Annually

FUSRAP: Formerly Utilized Sites Remedial Action Program

DOE established the Formerly Utilized Sites Remedial Action Program (FUSRAP) in 1974 to remediate sites where radioactive contamination remained from Manhattan Project and early U.S. Atomic Energy Commission (AEC) operations.

Date of Government Version: 07/26/2021
Date Data Arrived at EDR: 07/27/2021
Date Made Active in Reports: 10/22/2021
Number of Days to Update: 87

Source: Department of Energy
Telephone: 202-586-3559
Last EDR Contact: 10/27/2022
Next Scheduled EDR Contact: 02/16/2023
Data Release Frequency: Varies

UMTRA: Uranium Mill Tailings Sites

Uranium ore was mined by private companies for federal government use in national defense programs. When the mills shut down, large piles of the sand-like material (mill tailings) remain after uranium has been extracted from the ore. Levels of human exposure to radioactive materials from the piles are low; however, in some cases tailings were used as construction materials before the potential health hazards of the tailings were recognized.

Date of Government Version: 08/30/2019
Date Data Arrived at EDR: 11/15/2019
Date Made Active in Reports: 01/28/2020
Number of Days to Update: 74

Source: Department of Energy
Telephone: 505-845-0011
Last EDR Contact: 11/09/2022
Next Scheduled EDR Contact: 02/27/2023
Data Release Frequency: Varies

LEAD SMELTER 1: Lead Smelter Sites

A listing of former lead smelter site locations.

Date of Government Version: 10/27/2022
Date Data Arrived at EDR: 11/01/2022
Date Made Active in Reports: 11/15/2022
Number of Days to Update: 14

Source: Environmental Protection Agency
Telephone: 703-603-8787
Last EDR Contact: 12/01/2022
Next Scheduled EDR Contact: 01/09/2023
Data Release Frequency: Varies

LEAD SMELTER 2: Lead Smelter Sites

A list of several hundred sites in the U.S. where secondary lead smelting was done from 1931and 1964. These sites may pose a threat to public health through ingestion or inhalation of contaminated soil or dust

Date of Government Version: 04/05/2001
Date Data Arrived at EDR: 10/27/2010
Date Made Active in Reports: 12/02/2010
Number of Days to Update: 36

Source: American Journal of Public Health
Telephone: 703-305-6451
Last EDR Contact: 12/02/2009
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

US AIRS (AFS): Aerometric Information Retrieval System Facility Subsystem (AFS)

The database is a sub-system of Aerometric Information Retrieval System (AIRS). AFS contains compliance data on air pollution point sources regulated by the U.S. EPA and/or state and local air regulatory agencies. This information comes from source reports by various stationary sources of air pollution, such as electric power plants, steel mills, factories, and universities, and provides information about the air pollutants they produce. Action, air program, air program pollutant, and general level plant data. It is used to track emissions and compliance data from industrial plants.

Date of Government Version: 10/12/2016
Date Data Arrived at EDR: 10/26/2016
Date Made Active in Reports: 02/03/2017
Number of Days to Update: 100

Source: EPA
Telephone: 202-564-2496
Last EDR Contact: 09/26/2017
Next Scheduled EDR Contact: 01/08/2018
Data Release Frequency: Annually

US AIRS MINOR: Air Facility System Data

A listing of minor source facilities.

Date of Government Version: 10/12/2016
Date Data Arrived at EDR: 10/26/2016
Date Made Active in Reports: 02/03/2017
Number of Days to Update: 100

Source: EPA
Telephone: 202-564-2496
Last EDR Contact: 09/26/2017
Next Scheduled EDR Contact: 01/08/2018
Data Release Frequency: Annually

US MINES: Mines Master Index File

Contains all mine identification numbers issued for mines active or opened since 1971. The data also includes violation information.

Date of Government Version: 08/03/2022
Date Data Arrived at EDR: 08/17/2022
Date Made Active in Reports: 08/31/2022
Number of Days to Update: 14

Source: Department of Labor, Mine Safety and Health Administration
Telephone: 303-231-5959
Last EDR Contact: 11/17/2022
Next Scheduled EDR Contact: 03/06/2023
Data Release Frequency: Semi-Annually

MINES VIOLATIONS: MSHA Violation Assessment Data

Mines violation and assessment information. Department of Labor, Mine Safety & Health Administration.

Date of Government Version: 08/01/2022
Date Data Arrived at EDR: 08/02/2022
Date Made Active in Reports: 09/30/2022
Number of Days to Update: 59

Source: DOL, Mine Safety & Health Admi
Telephone: 202-693-9424
Last EDR Contact: 11/28/2022
Next Scheduled EDR Contact: 03/13/2023
Data Release Frequency: Quarterly

US MINES 2: Ferrous and Nonferrous Metal Mines Database Listing

This map layer includes ferrous (ferrous metal mines are facilities that extract ferrous metals, such as iron ore or molybdenum) and nonferrous (Nonferrous metal mines are facilities that extract nonferrous metals, such as gold, silver, copper, zinc, and lead) metal mines in the United States.

Date of Government Version: 05/06/2020
Date Data Arrived at EDR: 05/27/2020
Date Made Active in Reports: 08/13/2020
Number of Days to Update: 78

Source: USGS
Telephone: 703-648-7709
Last EDR Contact: 11/21/2022
Next Scheduled EDR Contact: 03/06/2023
Data Release Frequency: Varies

US MINES 3: Active Mines & Mineral Plants Database Listing

Active Mines and Mineral Processing Plant operations for commodities monitored by the Minerals Information Team of the USGS.

Date of Government Version: 04/14/2011
Date Data Arrived at EDR: 06/08/2011
Date Made Active in Reports: 09/13/2011
Number of Days to Update: 97

Source: USGS
Telephone: 703-648-7709
Last EDR Contact: 11/21/2022
Next Scheduled EDR Contact: 03/06/2023
Data Release Frequency: Varies

ABANDONED MINES: Abandoned Mines

An inventory of land and water impacted by past mining (primarily coal mining) is maintained by OSMRE to provide information needed to implement the Surface Mining Control and Reclamation Act of 1977 (SMCRA). The inventory contains information on the location, type, and extent of AML impacts, as well as, information on the cost associated with the reclamation of those problems. The inventory is based upon field surveys by State, Tribal, and OSMRE program officials. It is dynamic to the extent that it is modified as new problems are identified and existing problems are reclaimed.

Date of Government Version: 09/13/2022
Date Data Arrived at EDR: 09/14/2022
Date Made Active in Reports: 12/05/2022
Number of Days to Update: 82

Source: Department of Interior
Telephone: 202-208-2609
Last EDR Contact: 12/13/2022
Next Scheduled EDR Contact: 03/20/2023
Data Release Frequency: Quarterly

FINDS: Facility Index System/Facility Registry System

Facility Index System. FINDS contains both facility information and 'pointers' to other sources that contain more detail. EDR includes the following FINDS databases in this report: PCS (Permit Compliance System), AIRS (Aerometric Information Retrieval System), DOCKET (Enforcement Docket used to manage and track information on civil judicial enforcement cases for all environmental statutes), FURS (Federal Underground Injection Control), C-DOCKET (Criminal Docket System used to track criminal enforcement actions for all environmental statutes), FFIS (Federal Facilities Information System), STATE (State Environmental Laws and Statutes), and PADS (PCB Activity Data System).

Date of Government Version: 08/03/2022
Date Data Arrived at EDR: 08/25/2022
Date Made Active in Reports: 10/24/2022
Number of Days to Update: 60

Source: EPA
Telephone: (415) 947-8000
Last EDR Contact: 11/29/2022
Next Scheduled EDR Contact: 03/13/2023
Data Release Frequency: Quarterly

ECHO: Enforcement & Compliance History Information

ECHO provides integrated compliance and enforcement information for about 800,000 regulated facilities nationwide.

Date of Government Version: 06/25/2022
Date Data Arrived at EDR: 07/01/2022
Date Made Active in Reports: 09/30/2022
Number of Days to Update: 91

Source: Environmental Protection Agency
Telephone: 202-564-2280
Last EDR Contact: 09/30/2022
Next Scheduled EDR Contact: 01/16/2023
Data Release Frequency: Quarterly

UXO: Unexploded Ordnance Sites

A listing of unexploded ordnance site locations

Date of Government Version: 12/31/2020
Date Data Arrived at EDR: 01/11/2022
Date Made Active in Reports: 02/14/2022
Number of Days to Update: 34

Source: Department of Defense
Telephone: 703-704-1564
Last EDR Contact: 10/05/2022
Next Scheduled EDR Contact: 01/23/2023
Data Release Frequency: Varies

DOCKET HWC: Hazardous Waste Compliance Docket Listing

A complete list of the Federal Agency Hazardous Waste Compliance Docket Facilities.

Date of Government Version: 05/06/2021
Date Data Arrived at EDR: 05/21/2021
Date Made Active in Reports: 08/11/2021
Number of Days to Update: 82

Source: Environmental Protection Agency
Telephone: 202-564-0527
Last EDR Contact: 11/15/2022
Next Scheduled EDR Contact: 03/06/2023
Data Release Frequency: Varies

FUELS PROGRAM: EPA Fuels Program Registered Listing

This listing includes facilities that are registered under the Part 80 (Code of Federal Regulations) EPA Fuels Programs. All companies now are required to submit new and updated registrations.

Date of Government Version: 08/11/2022
Date Data Arrived at EDR: 08/11/2022
Date Made Active in Reports: 09/30/2022
Number of Days to Update: 50

Source: EPA
Telephone: 800-385-6164
Last EDR Contact: 11/10/2022
Next Scheduled EDR Contact: 02/27/2023
Data Release Frequency: Quarterly

PFAS NPL: Superfund Sites with PFAS Detections Information

EPA's Office of Land and Emergency Management and EPA Regional Offices maintain data describing what is known about site investigations, contamination, and remedial actions under the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) where PFAS is present in the environment.

Date of Government Version: 02/23/2022
Date Data Arrived at EDR: 07/08/2022
Date Made Active in Reports: 11/08/2022
Number of Days to Update: 123

Source: Environmental Protection Agency
Telephone: 703-603-8895
Last EDR Contact: 10/04/2022
Next Scheduled EDR Contact: 01/16/2023
Data Release Frequency: Varies

PFAS FEDERAL SITES: Federal Sites PFAS Information

Several federal entities, such as the federal Superfund program, Department of Defense, National Aeronautics and Space Administration, Department of Transportation, and Department of Energy provided information for sites with known or suspected detections at federal facilities.

Date of Government Version: 02/23/2022
Date Data Arrived at EDR: 03/31/2022
Date Made Active in Reports: 11/08/2022
Number of Days to Update: 222

Source: Environmental Protection Agency
Telephone: 202-272-0167
Last EDR Contact: 10/06/2022
Next Scheduled EDR Contact: 01/16/2023
Data Release Frequency: Varies

PFAS TSCA: PFAS Manufacture and Imports Information

EPA issued the Chemical Data Reporting (CDR) Rule under the Toxic Substances Control Act (TSCA) and requires chemical manufacturers and facilities that manufacture or import chemical substances to report data to EPA. EPA publishes non-confidential business information (non-CBI) and includes descriptive information about each site, corporate parent, production volume, other manufacturing information, and processing and use information.

Date of Government Version: 01/03/2022
Date Data Arrived at EDR: 03/31/2022
Date Made Active in Reports: 11/08/2022
Number of Days to Update: 222

Source: Environmental Protection Agency
Telephone: 202-272-0167
Last EDR Contact: 10/04/2022
Next Scheduled EDR Contact: 01/16/2023
Data Release Frequency: Varies

PFAS RCRA MANIFEST: PFAS Transfers Identified In the RCRA Database Listing

To work around the lack of PFAS waste codes in the RCRA database, EPA developed the PFAS Transfers dataset by mining e-Manifest records containing at least one of these common PFAS keywords: PFAS, PFOA, PFOS, PERFL, AFFF, GENX, GEN-X (plus the VT waste codes). These keywords were searched for in the following text fields: Manifest handling instructions (MANIFEST_HANDLING_INSTR), Non-hazardous waste description (NON_HAZ_WASTE_DESCRIPTION), DOT printed information (DOT_PRINTED_INFORMATION), Waste line handling instructions (WASTE_LINE_HANDLING_INSTR), Waste residue comments (WASTE_RESIDUE_COMMENTS).

Date of Government Version: 01/03/2022
Date Data Arrived at EDR: 03/31/2022
Date Made Active in Reports: 11/08/2022
Number of Days to Update: 222

Source: Environmental Protection Agency
Telephone: 202-272-0167
Last EDR Contact: 10/06/2022
Next Scheduled EDR Contact: 01/16/2023
Data Release Frequency: Varies

PFAS ATSDR: PFAS Contamination Site Location Listing

PFAS contamination site locations from the Department of Health & Human Services, Center for Disease Control & Prevention. ATSDR is involved at a number of PFAS-related sites, either directly or through assisting state and federal partners. As of now, most sites are related to drinking water contamination connected with PFAS production facilities or fire training areas where aqueous film-forming firefighting foam (AFFF) was regularly used.

Date of Government Version: 06/24/2020
Date Data Arrived at EDR: 03/17/2021
Date Made Active in Reports: 11/08/2022
Number of Days to Update: 601

Source: Department of Health & Human Services
Telephone: 202-741-5770
Last EDR Contact: 10/28/2022
Next Scheduled EDR Contact: 02/06/2023
Data Release Frequency: Varies

PFAS WQP: Ambient Environmental Sampling for PFAS

The Water Quality Portal (WQP) is a part of a modernized repository storing ambient sampling data for all environmental media and tissue samples. A wide range of federal, state, tribal and local governments, academic and non-governmental organizations and individuals submit project details and sampling results to this public repository. The information is commonly used for research and assessments of environmental quality.

Date of Government Version: 01/03/2022
Date Data Arrived at EDR: 03/31/2022
Date Made Active in Reports: 11/08/2022
Number of Days to Update: 222

Source: Environmental Protection Agency
Telephone: 202-272-0167
Last EDR Contact: 10/06/2022
Next Scheduled EDR Contact: 01/16/2023
Data Release Frequency: Varies

PFAS NPDES: Clean Water Act Discharge Monitoring Information

Any discharger of pollutants to waters of the United States from a point source must have a National Pollutant Discharge Elimination System (NPDES) permit. The process for obtaining limits involves the regulated entity (permittee) disclosing releases in a NPDES permit application and the permitting authority (typically the state but sometimes EPA) deciding whether to require monitoring or monitoring with limits.

Date of Government Version: 01/03/2022
Date Data Arrived at EDR: 03/31/2022
Date Made Active in Reports: 11/08/2022
Number of Days to Update: 222

Source: Environmental Protection Agency
Telephone: 202-272-0167
Last EDR Contact: 10/06/2022
Next Scheduled EDR Contact: 01/16/2023
Data Release Frequency: Varies

PFAS ECHO: Facilities in Industries that May Be Handling PFAS Listing

Regulators and the public have expressed interest in knowing which regulated entities may be using PFAS. EPA has developed a dataset from various sources that show which industries may be handling PFAS. Approximately 120,000 facilities subject to federal environmental programs have operated or currently operate in industry sectors with processes that may involve handling and/or release of PFAS.

Date of Government Version: 01/03/2022
Date Data Arrived at EDR: 03/31/2022
Date Made Active in Reports: 11/08/2022
Number of Days to Update: 222

Source: Environmental Protection Agency
Telephone: 202-272-0167
Last EDR Contact: 10/06/2022
Next Scheduled EDR Contact: 01/16/2023
Data Release Frequency: Varies

PFAS ECHO FIRE TRAINING: Facilities in Industries that May Be Handling PFAS Listing

A list of fire training sites was added to the Industry Sectors dataset using a keyword search on the permitted facilitys name to identify sites where fire-fighting foam may have been used in training exercises. Additionally, you may view an example spreadsheet of the subset of fire training facility data, as well as the keywords used in selecting or deselecting a facility for the subset. as well as the keywords used in selecting or deselecting a facility for the subset. These keywords were tested to maximize accuracy in selecting facilities that may use fire-fighting foam in training exercises, however, due to the lack of a required reporting field in the data systems for designating fire training sites, this methodology may not identify all fire training sites or may potentially misidentify them.

Date of Government Version: 08/22/2018
Date Data Arrived at EDR: 03/31/2022
Date Made Active in Reports: 11/08/2022
Number of Days to Update: 222

Source: Environmental Protection Agency
Telephone: 202-272-0167
Last EDR Contact: 10/06/2022
Next Scheduled EDR Contact: 01/16/2023
Data Release Frequency: Varies

PFAS PART 139 AIRPORT: All Certified Part 139 Airports PFAS Information Listing

Since July 1, 2006, all certified part 139 airports are required to have fire-fighting foam onsite that meet military specifications (MIL-F-24385) (14 CFR 139.317). To date, these military specification fire-fighting foams are fluorinated and have been historically used for training and extinguishing. The 2018 FAA Reauthorization Act has a provision stating that no later than October 2021, FAA shall not require the use of fluorinated AFFF. This provision does not prohibit the use of fluorinated AFFF at Part 139 civilian airports; it only prohibits FAA from mandating its use. The Federal Aviation Administration?s document AC 150/5210-6D - Aircraft Fire Extinguishing Agents provides guidance on Aircraft Fire Extinguishing Agents, which includes Aqueous Film Forming Foam (AFFF).

Date of Government Version: 08/22/2018
Date Data Arrived at EDR: 10/26/2022
Date Made Active in Reports: 11/08/2022
Number of Days to Update: 13

Source: Environmental Protection Agency
Telephone: 202-272-0167
Last EDR Contact: 10/26/2022
Next Scheduled EDR Contact: 01/16/2023
Data Release Frequency: Varies

AQUEOUS FOAM NRC: Aqueous Foam Related Incidents Listing

The National Response Center (NRC) serves as an emergency call center that fields initial reports for pollution and railroad incidents and forwards that information to appropriate federal/state agencies for response. The spreadsheets posted to the NRC website contain initial incident data that has not been validated or investigated by a federal/state response agency. Response center calls from 1990 to the most recent complete calendar year where there was indication of Aqueous Film Forming Foam (AFFF) usage are included in this dataset. NRC calls may reference AFFF usage in the ?Material Involved? or ?Incident Description? fields.

Date of Government Version: 02/23/2022
Date Data Arrived at EDR: 03/31/2022
Date Made Active in Reports: 11/08/2022
Number of Days to Update: 222

Source: Environmental Protection Agency
Telephone: 202-272-0167
Last EDR Contact: 10/06/2022
Next Scheduled EDR Contact: 01/16/2023
Data Release Frequency: Varies

PFAS: PFAS Contamination Site Location Listing

A listing of PFAS contaminated sites included in the GeoTracker database.

Date of Government Version: 08/31/2022
Date Data Arrived at EDR: 08/31/2022
Date Made Active in Reports: 10/31/2022
Number of Days to Update: 61

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 12/02/2022
Next Scheduled EDR Contact: 03/20/2023
Data Release Frequency: Varies

AQUEOUS FOAM: Former Fire Training Facility Assessments Listing

Airports shown on this list are those believed to use Aqueous Film Forming Foam (AFFF), and certified by the Federal Aviation Administration (FAA) under Title 14, Code of Federal Regulations (CFR), Part 139 (14 CFR Part 139). This list was created by SWRCB using information available from the FAA. Location points shown are from the latitude and longitude listed on the FAA airport master record.

Date of Government Version: 09/06/2022
Date Data Arrived at EDR: 09/06/2022
Date Made Active in Reports: 10/26/2022
Number of Days to Update: 50

Source: State Water Resources Control Board
Telephone: 916-341-5455
Last EDR Contact: 10/09/2022
Next Scheduled EDR Contact: 03/20/2023
Data Release Frequency: Varies

CA BOND EXP. PLAN: Bond Expenditure Plan

Department of Health Services developed a site-specific expenditure plan as the basis for an appropriation of Hazardous Substance Cleanup Bond Act funds. It is not updated.

Date of Government Version: 01/01/1989
Date Data Arrived at EDR: 07/27/1994
Date Made Active in Reports: 08/02/1994
Number of Days to Update: 6

Source: Department of Health Services
Telephone: 916-255-2118
Last EDR Contact: 05/31/1994
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

CORTESE: "Cortese" Hazardous Waste & Substances Sites List
The sites for the list are designated by the State Water Resource Control Board (LUST), the Integrated Waste Board (SWF/LS), and the Department of Toxic Substances Control (Cal-Sites).

Date of Government Version: 09/19/2022
Date Data Arrived at EDR: 09/19/2022
Date Made Active in Reports: 12/07/2022
Number of Days to Update: 79
Source: CAL EPA/Office of Emergency Information
Telephone: 916-323-3400
Last EDR Contact: 12/14/2022
Next Scheduled EDR Contact: 04/03/2023
Data Release Frequency: Quarterly

CUPA LIVERMORE-PLEASANTON: CUPA Facility Listing
list of facilities associated with the various CUPA programs in Livermore-Pleasanton

Date of Government Version: 12/07/2021
Date Data Arrived at EDR: 05/09/2022
Date Made Active in Reports: 05/17/2022
Number of Days to Update: 8
Source: Livermore-Pleasanton Fire Department
Telephone: 925-454-2361
Last EDR Contact: 11/10/2022
Next Scheduled EDR Contact: 02/20/2023
Data Release Frequency: Varies

DRYCLEAN SOUTH COAST: South Coast Air Quality Management District Drycleaner Listing
A listing of dry cleaners in the South Coast Air Quality Management District

Date of Government Version: 08/18/2022
Date Data Arrived at EDR: 08/29/2022
Date Made Active in Reports: 11/14/2022
Number of Days to Update: 77
Source: South Coast Air Quality Management District
Telephone: 909-396-3211
Last EDR Contact: 11/15/2022
Next Scheduled EDR Contact: 03/06/2023
Data Release Frequency: Varies

DRYCLEANERS: Cleaner Facilities
A list of drycleaner related facilities that have EPA ID numbers. These are facilities with certain SIC codes: power laundries, family and commercial; garment pressing and cleaner's agents; linen supply; coin-operated laundries and cleaning; drycleaning plants, except rugs; carpet and upholster cleaning; industrial launderers; laundry and garment services.

Date of Government Version: 08/27/2021
Date Data Arrived at EDR: 09/01/2021
Date Made Active in Reports: 11/19/2021
Number of Days to Update: 79
Source: Department of Toxic Substance Control
Telephone: 916-327-4498
Last EDR Contact: 11/07/2022
Next Scheduled EDR Contact: 03/13/2023
Data Release Frequency: Annually

DRYCLEAN AVAQMD: Antelope Valley Air Quality Management District Drycleaner Listing
A listing of dry cleaners in the Antelope Valley Air Quality Management District.

Date of Government Version: 05/25/2022
Date Data Arrived at EDR: 05/26/2022
Date Made Active in Reports: 08/11/2022
Number of Days to Update: 77
Source: Antelope Valley Air Quality Management District
Telephone: 661-723-8070
Last EDR Contact: 11/14/2022
Next Scheduled EDR Contact: 03/13/2023
Data Release Frequency: Varies

EMI: Emissions Inventory Data
Toxics and criteria pollutant emissions data collected by the ARB and local air pollution agencies.

Date of Government Version: 12/31/2020
Date Data Arrived at EDR: 06/13/2022
Date Made Active in Reports: 08/30/2022
Number of Days to Update: 78
Source: California Air Resources Board
Telephone: 916-322-2990
Last EDR Contact: 12/15/2022
Next Scheduled EDR Contact: 03/27/2023
Data Release Frequency: Varies

ENF: Enforcement Action Listing
A listing of Water Board Enforcement Actions. Formal is everything except Oral/Verbal Communication, Notice of Violation, Expedited Payment Letter, and Staff Enforcement Letter.

Date of Government Version: 07/12/2022
Date Data Arrived at EDR: 07/18/2022
Date Made Active in Reports: 09/29/2022
Number of Days to Update: 73

Source: State Water Resoruces Control Board
Telephone: 916-445-9379
Last EDR Contact: 10/19/2022
Next Scheduled EDR Contact: 01/30/2023
Data Release Frequency: Varies

Financial Assurance 1: Financial Assurance Information Listing

Financial Assurance information

Date of Government Version: 07/06/2022
Date Data Arrived at EDR: 07/21/2022
Date Made Active in Reports: 10/03/2022
Number of Days to Update: 74

Source: Department of Toxic Substances Control
Telephone: 916-255-3628
Last EDR Contact: 10/11/2022
Next Scheduled EDR Contact: 01/30/2023
Data Release Frequency: Varies

Financial Assurance 2: Financial Assurance Information Listing

A listing of financial assurance information for solid waste facilities. Financial assurance is intended to ensure that resources are available to pay for the cost of closure, post-closure care, and corrective measures if the owner or operator of a regulated facility is unable or unwilling to pay.

Date of Government Version: 08/09/2022
Date Data Arrived at EDR: 08/10/2022
Date Made Active in Reports: 08/30/2022
Number of Days to Update: 20

Source: California Integrated Waste Management Board
Telephone: 916-341-6066
Last EDR Contact: 11/15/2022
Next Scheduled EDR Contact: 02/20/2023
Data Release Frequency: Varies

ICE: ICE

Contains data pertaining to the Permitted Facilities with Inspections / Enforcements sites tracked in Envirostor.

Date of Government Version: 08/11/2022
Date Data Arrived at EDR: 08/11/2022
Date Made Active in Reports: 10/28/2022
Number of Days to Update: 78

Source: Department of Toxic Subsances Control
Telephone: 877-786-9427
Last EDR Contact: 11/10/2022
Next Scheduled EDR Contact: 02/27/2023
Data Release Frequency: Quarterly

HIST CORTESE: Hazardous Waste & Substance Site List

The sites for the list are designated by the State Water Resource Control Board [LUST], the Integrated Waste Board [SWF/LS], and the Department of Toxic Substances Control [CALSITES]. This listing is no longer updated by the state agency.

Date of Government Version: 04/01/2001
Date Data Arrived at EDR: 01/22/2009
Date Made Active in Reports: 04/08/2009
Number of Days to Update: 76

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 01/22/2009
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

HWP: EnviroStor Permitted Facilities Listing

Detailed information on permitted hazardous waste facilities and corrective action ("cleanups") tracked in EnviroStor.

Date of Government Version: 08/11/2022
Date Data Arrived at EDR: 08/11/2022
Date Made Active in Reports: 10/28/2022
Number of Days to Update: 78

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 11/10/2022
Next Scheduled EDR Contact: 02/27/2023
Data Release Frequency: Quarterly

HWT: Registered Hazardous Waste Transporter Database

A listing of hazardous waste transporters. In California, unless specifically exempted, it is unlawful for any person to transport hazardous wastes unless the person holds a valid registration issued by DTSC. A hazardous waste transporter registration is valid for one year and is assigned a unique registration number.

Date of Government Version: 10/03/2022
Date Data Arrived at EDR: 10/03/2022
Date Made Active in Reports: 12/15/2022
Number of Days to Update: 73

Source: Department of Toxic Substances Control
Telephone: 916-440-7145
Last EDR Contact: 10/03/2022
Next Scheduled EDR Contact: 01/16/2023
Data Release Frequency: Quarterly

HAZNET: Facility and Manifest Data

Facility and Manifest Data. The data is extracted from the copies of hazardous waste manifests received each year by the DTSC. The annual volume of manifests is typically 700,000 - 1,000,000 annually, representing approximately 350,000 - 500,000 shipments. Data are from the manifests submitted without correction, and therefore many contain some invalid values for data elements such as generator ID, TSD ID, waste category, and disposal method. This database begins with calendar year 1993.

Date of Government Version: 12/31/2021
Date Data Arrived at EDR: 07/05/2022
Date Made Active in Reports: 09/19/2022
Number of Days to Update: 76

Source: California Environmental Protection Agency
Telephone: 916-255-1136
Last EDR Contact: 09/27/2022
Next Scheduled EDR Contact: 01/16/2023
Data Release Frequency: Annually

MINES: Mines Site Location Listing

A listing of mine site locations from the Office of Mine Reclamation.

Date of Government Version: 08/31/2022
Date Data Arrived at EDR: 08/31/2022
Date Made Active in Reports: 11/18/2022
Number of Days to Update: 79

Source: Department of Conservation
Telephone: 916-322-1080
Last EDR Contact: 12/02/2022
Next Scheduled EDR Contact: 03/20/2023
Data Release Frequency: Quarterly

MWMP: Medical Waste Management Program Listing

The Medical Waste Management Program (MWMP) ensures the proper handling and disposal of medical waste by permitting and inspecting medical waste Offsite Treatment Facilities (PDF) and Transfer Stations (PDF) throughout the state. MWMP also oversees all Medical Waste Transporters.

Date of Government Version: 08/08/2022
Date Data Arrived at EDR: 08/25/2022
Date Made Active in Reports: 11/14/2022
Number of Days to Update: 81

Source: Department of Public Health
Telephone: 916-558-1784
Last EDR Contact: 11/29/2022
Next Scheduled EDR Contact: 03/13/2023
Data Release Frequency: Varies

NPDES: NPDES Permits Listing

A listing of NPDES permits, including stormwater.

Date of Government Version: 08/08/2022
Date Data Arrived at EDR: 08/08/2022
Date Made Active in Reports: 10/20/2022
Number of Days to Update: 73

Source: State Water Resources Control Board
Telephone: 916-445-9379
Last EDR Contact: 11/03/2022
Next Scheduled EDR Contact: 02/20/2023
Data Release Frequency: Quarterly

PEST LIC: Pesticide Regulation Licenses Listing

A listing of licenses and certificates issued by the Department of Pesticide Regulation. The DPR issues licenses and/or certificates to: Persons and businesses that apply or sell pesticides; Pest control dealers and brokers; Persons who advise on agricultural pesticide applications.

Date of Government Version: 08/25/2022
Date Data Arrived at EDR: 08/25/2022
Date Made Active in Reports: 11/14/2022
Number of Days to Update: 81

Source: Department of Pesticide Regulation
Telephone: 916-445-4038
Last EDR Contact: 11/29/2022
Next Scheduled EDR Contact: 03/13/2023
Data Release Frequency: Quarterly

PROC: Certified Processors Database
A listing of certified processors.

Date of Government Version: 08/31/2022
Date Data Arrived at EDR: 08/31/2022
Date Made Active in Reports: 11/18/2022
Number of Days to Update: 79
Source: Department of Conservation
Telephone: 916-323-3836
Last EDR Contact: 12/02/2022
Next Scheduled EDR Contact: 03/20/2023
Data Release Frequency: Quarterly

NOTIFY 65: Proposition 65 Records
Listings of all Proposition 65 incidents reported to counties by the State Water Resources Control Board and the Regional Water Quality Control Board. This database is no longer updated by the reporting agency.

Date of Government Version: 09/07/2022
Date Data Arrived at EDR: 09/08/2022
Date Made Active in Reports: 11/29/2022
Number of Days to Update: 82
Source: State Water Resources Control Board
Telephone: 916-445-3846
Last EDR Contact: 12/06/2022
Next Scheduled EDR Contact: 03/27/2023
Data Release Frequency: No Update Planned

UIC: UIC Listing
A listing of wells identified as underground injection wells, in the California Oil and Gas Wells database.

Date of Government Version: 08/31/2022
Date Data Arrived at EDR: 08/31/2022
Date Made Active in Reports: 11/18/2022
Number of Days to Update: 79
Source: Deaprtment of Conservation
Telephone: 916-445-2408
Last EDR Contact: 12/02/2022
Next Scheduled EDR Contact: 03/20/2023
Data Release Frequency: Varies

UIC GEO: Underground Injection Control Sites (GEOTRACKER)
Underground control injection sites

Date of Government Version: 08/31/2022
Date Data Arrived at EDR: 08/31/2022
Date Made Active in Reports: 11/17/2022
Number of Days to Update: 78
Source: State Water Resource Control Board
Telephone: 866-480-1028
Last EDR Contact: 12/02/2022
Next Scheduled EDR Contact: 03/20/2023
Data Release Frequency: Varies

WASTEWATER PITS: Oil Wastewater Pits Listing
Water officials discovered that oil producers have been dumping chemical-laden wastewater into hundreds of unlined pits that are operating without proper permits. Inspections completed by the Central Valley Regional Water Quality Control Board revealed the existence of previously unidentified waste sites. The water boards review found that more than one-third of the region's active disposal pits are operating without permission.

Date of Government Version: 02/11/2021
Date Data Arrived at EDR: 07/01/2021
Date Made Active in Reports: 09/29/2021
Number of Days to Update: 90
Source: RWQCB, Central Valley Region
Telephone: 559-445-5577
Last EDR Contact: 10/06/2022
Next Scheduled EDR Contact: 01/16/2023
Data Release Frequency: Varies

WDS: Waste Discharge System
Sites which have been issued waste discharge requirements.

Date of Government Version: 06/19/2007
Date Data Arrived at EDR: 06/20/2007
Date Made Active in Reports: 06/29/2007
Number of Days to Update: 9
Source: State Water Resources Control Board
Telephone: 916-341-5227
Last EDR Contact: 11/08/2022
Next Scheduled EDR Contact: 02/27/2023
Data Release Frequency: No Update Planned

WIP: Well Investigation Program Case List
Well Investigation Program case in the San Gabriel and San Fernando Valley area.

Date of Government Version: 07/03/2009
Date Data Arrived at EDR: 07/21/2009
Date Made Active in Reports: 08/03/2009
Number of Days to Update: 13

Source: Los Angeles Water Quality Control Board
Telephone: 213-576-6726
Last EDR Contact: 12/13/2022
Next Scheduled EDR Contact: 04/03/2023
Data Release Frequency: No Update Planned

MILITARY PRIV SITES: Military Privatized Sites (GEOTRACKER)
Military privatized sites

Date of Government Version: 08/31/2022
Date Data Arrived at EDR: 08/31/2022
Date Made Active in Reports: 11/17/2022
Number of Days to Update: 78

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 12/02/2022
Next Scheduled EDR Contact: 03/20/2023
Data Release Frequency: Varies

PROJECT: Project Sites (GEOTRACKER)
Projects sites

Date of Government Version: 08/31/2022
Date Data Arrived at EDR: 08/31/2022
Date Made Active in Reports: 11/17/2022
Number of Days to Update: 78

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 12/02/2022
Next Scheduled EDR Contact: 03/20/2023
Data Release Frequency: Varies

WDR: Waste Discharge Requirements Listing
In general, the Waste Discharge Requirements (WDRs) Program (sometimes also referred to as the "Non Chapter 15 (Non 15) Program") regulates point discharges that are exempt pursuant to Subsection 20090 of Title 27 and not subject to the Federal Water Pollution Control Act. Exemptions from Title 27 may be granted for nine categories of discharges (e.g., sewage, wastewater, etc.) that meet, and continue to meet, the preconditions listed for each specific exemption. The scope of the WDRs Program also includes the discharge of wastes classified as inert, pursuant to section 20230 of Title 27.

Date of Government Version: 08/31/2022
Date Data Arrived at EDR: 08/31/2022
Date Made Active in Reports: 11/18/2022
Number of Days to Update: 79

Source: State Water Resources Control Board
Telephone: 916-341-5810
Last EDR Contact: 12/02/2022
Next Scheduled EDR Contact: 03/20/2023
Data Release Frequency: Quarterly

CIWQS: California Integrated Water Quality System
The California Integrated Water Quality System (CIWQS) is a computer system used by the State and Regional Water Quality Control Boards to track information about places of environmental interest, manage permits and other orders, track inspections, and manage violations and enforcement activities.

Date of Government Version: 08/16/2022
Date Data Arrived at EDR: 08/17/2022
Date Made Active in Reports: 08/18/2022
Number of Days to Update: 1

Source: State Water Resources Control Board
Telephone: 866-794-4977
Last EDR Contact: 11/29/2022
Next Scheduled EDR Contact: 03/13/2023
Data Release Frequency: Varies

CERS: CalEPA Regulated Site Portal Data
The CalEPA Regulated Site Portal database combines data about environmentally regulated sites and facilities in California into a single database. It combines data from a variety of state and federal databases, and provides an overview of regulated activities across the spectrum of environmental programs for any given location in California. These activities include hazardous materials and waste, state and federal cleanups, impacted ground and surface waters, and toxic materials

Date of Government Version: 07/18/2022
Date Data Arrived at EDR: 07/18/2022
Date Made Active in Reports: 09/30/2022
Number of Days to Update: 74

Source: California Environmental Protection Agency
Telephone: 916-323-2514
Last EDR Contact: 10/17/2022
Next Scheduled EDR Contact: 01/30/2023
Data Release Frequency: Varies

NON-CASE INFO: Non-Case Information Sites (GEOTRACKER)
Non-Case Information sites

Date of Government Version: 08/31/2022
Date Data Arrived at EDR: 08/31/2022
Date Made Active in Reports: 11/17/2022
Number of Days to Update: 78
Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 12/02/2022
Next Scheduled EDR Contact: 03/20/2023
Data Release Frequency: Varies

OTHER OIL GAS: Other Oil & Gas Projects Sites (GEOTRACKER)
Other Oil & Gas Projects sites

Date of Government Version: 08/31/2022
Date Data Arrived at EDR: 08/31/2022
Date Made Active in Reports: 11/17/2022
Number of Days to Update: 78
Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 12/02/2022
Next Scheduled EDR Contact: 03/20/2023
Data Release Frequency: Varies

PROD WATER PONDS: Produced Water Ponds Sites (GEOTRACKER)
Produced water ponds sites

Date of Government Version: 08/31/2022
Date Data Arrived at EDR: 08/31/2022
Date Made Active in Reports: 11/17/2022
Number of Days to Update: 78
Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 12/02/2022
Next Scheduled EDR Contact: 03/20/2023
Data Release Frequency: Varies

SAMPLING POINT: Sampling Point ? Public Sites (GEOTRACKER)
Sampling point - public sites

Date of Government Version: 08/31/2022
Date Data Arrived at EDR: 08/31/2022
Date Made Active in Reports: 11/17/2022
Number of Days to Update: 78
Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 12/02/2022
Next Scheduled EDR Contact: 03/20/2023
Data Release Frequency: Varies

WELL STIM PROJ: Well Stimulation Project (GEOTRACKER)
Includes areas of groundwater monitoring plans, a depiction of the monitoring network, and the facilities, boundaries, and subsurface characteristics of the oilfield and the features (oil and gas wells, produced water ponds, UIC wells, water supply wells, etc?) being monitored

Date of Government Version: 08/31/2022
Date Data Arrived at EDR: 08/31/2022
Date Made Active in Reports: 11/17/2022
Number of Days to Update: 78
Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 12/02/2022
Next Scheduled EDR Contact: 03/20/2023
Data Release Frequency: Varies

HWTS: Hazardous Waste Tracking System
DTSC maintains the Hazardous Waste Tracking System that stores ID number information since the early 1980s and manifest data since 1993. The system collects both manifest copies from the generator and destination facility.

Date of Government Version: 04/05/2022
Date Data Arrived at EDR: 04/05/2022
Date Made Active in Reports: 04/26/2022
Number of Days to Update: 21
Source: Department of Toxic Substances Control
Telephone: 916-324-2444
Last EDR Contact: 10/03/2022
Next Scheduled EDR Contact: 01/16/2023
Data Release Frequency: Varies

PCS ENF: Enforcement data
No description is available for this data

Date of Government Version: 12/31/2014
Date Data Arrived at EDR: 02/05/2015
Date Made Active in Reports: 03/06/2015
Number of Days to Update: 29

Source: EPA
Telephone: 202-564-2497
Last EDR Contact: 09/28/2022
Next Scheduled EDR Contact: 01/16/2023
Data Release Frequency: Varies

PCS: Permit Compliance System

PCS is a computerized management information system that contains data on National Pollutant Discharge Elimination System (NPDES) permit holding facilities. PCS tracks the permit, compliance, and enforcement status of NPDES facilities.

Date of Government Version: 07/14/2011
Date Data Arrived at EDR: 08/05/2011
Date Made Active in Reports: 09/29/2011
Number of Days to Update: 55

Source: EPA, Office of Water
Telephone: 202-564-2496
Last EDR Contact: 09/28/2022
Next Scheduled EDR Contact: 01/16/2023
Data Release Frequency: Semi-Annually

PCS INACTIVE: Listing of Inactive PCS Permits

An inactive permit is a facility that has shut down or is no longer discharging.

Date of Government Version: 11/05/2014
Date Data Arrived at EDR: 01/06/2015
Date Made Active in Reports: 05/06/2015
Number of Days to Update: 120

Source: EPA
Telephone: 202-564-2496
Last EDR Contact: 09/28/2022
Next Scheduled EDR Contact: 01/16/2023
Data Release Frequency: Semi-Annually

MINES MRDS: Mineral Resources Data System

Mineral Resources Data System

Date of Government Version: 04/06/2018
Date Data Arrived at EDR: 10/21/2019
Date Made Active in Reports: 10/24/2019
Number of Days to Update: 3

Source: USGS
Telephone: 703-648-6533
Last EDR Contact: 11/22/2022
Next Scheduled EDR Contact: 03/06/2023
Data Release Frequency: Varies

EDR HIGH RISK HISTORICAL RECORDS

EDR Exclusive Records

EDR MGP: EDR Proprietary Manufactured Gas Plants

The EDR Proprietary Manufactured Gas Plant Database includes records of coal gas plants (manufactured gas plants) compiled by EDR's researchers. Manufactured gas sites were used in the United States from the 1800's to 1950's to produce a gas that could be distributed and used as fuel. These plants used whale oil, rosin, coal, or a mixture of coal, oil, and water that also produced a significant amount of waste. Many of the byproducts of the gas production, such as coal tar (oily waste containing volatile and non-volatile chemicals), sludges, oils and other compounds are potentially hazardous to human health and the environment. The byproduct from this process was frequently disposed of directly at the plant site and can remain or spread slowly, serving as a continuous source of soil and groundwater contamination.

Date of Government Version: N/A
Date Data Arrived at EDR: N/A
Date Made Active in Reports: N/A
Number of Days to Update: N/A

Source: EDR, Inc.
Telephone: N/A
Last EDR Contact: N/A
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

EDR Hist Auto: EDR Exclusive Historical Auto Stations

EDR has searched selected national collections of business directories and has collected listings of potential gas station/filling station/service station sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include gas station/filling station/service station establishments. The categories reviewed included, but were not limited to gas, gas station, gasoline station, filling station, auto, automobile repair, auto service station, service station, etc. This database falls within a category of information EDR classifies as "High Risk Historical Records", or HRHR. EDR's HRHR effort presents unique and sometimes proprietary data about past sites and operations that typically create environmental concerns, but may not show up in current government records searches.

Date of Government Version: N/A
Date Data Arrived at EDR: N/A
Date Made Active in Reports: N/A
Number of Days to Update: N/A

Source: EDR, Inc.
Telephone: N/A
Last EDR Contact: N/A
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

EDR Hist Cleaner: EDR Exclusive Historical Cleaners

EDR has searched selected national collections of business directories and has collected listings of potential dry cleaner sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include dry cleaning establishments. The categories reviewed included, but were not limited to dry cleaners, cleaners, laundry, laundromat, cleaning/laundry, wash & dry etc. This database falls within a category of information EDR classifies as "High Risk Historical Records", or HRHR. EDR's HRHR effort presents unique and sometimes proprietary data about past sites and operations that typically create environmental concerns, but may not show up in current government records searches.

Date of Government Version: N/A
Date Data Arrived at EDR: N/A
Date Made Active in Reports: N/A
Number of Days to Update: N/A

Source: EDR, Inc.
Telephone: N/A
Last EDR Contact: N/A
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

EDR RECOVERED GOVERNMENT ARCHIVES

Exclusive Recovered Govt. Archives

RGA LF: Recovered Government Archive Solid Waste Facilities List

The EDR Recovered Government Archive Landfill database provides a list of landfills derived from historical databases and includes many records that no longer appear in current government lists. Compiled from Records formerly available from the Department of Resources Recycling and Recovery in California.

Date of Government Version: N/A
Date Data Arrived at EDR: 07/01/2013
Date Made Active in Reports: 01/13/2014
Number of Days to Update: 196

Source: Department of Resources Recycling and Recovery
Telephone: N/A
Last EDR Contact: 06/01/2012
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

RGA LUST: Recovered Government Archive Leaking Underground Storage Tank

The EDR Recovered Government Archive Leaking Underground Storage Tank database provides a list of LUST incidents derived from historical databases and includes many records that no longer appear in current government lists. Compiled from Records formerly available from the State Water Resources Control Board in California.

Date of Government Version: N/A
Date Data Arrived at EDR: 07/01/2013
Date Made Active in Reports: 12/30/2013
Number of Days to Update: 182

Source: State Water Resources Control Board
Telephone: N/A
Last EDR Contact: 06/01/2012
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

COUNTY RECORDS

ALAMEDA COUNTY:

CS ALAMEDA: Contaminated Sites

A listing of contaminated sites overseen by the Toxic Release Program (oil and groundwater contamination from chemical releases and spills) and the Leaking Underground Storage Tank Program (soil and ground water contamination from leaking petroleum USTs).

Date of Government Version: 01/09/2019
Date Data Arrived at EDR: 01/11/2019
Date Made Active in Reports: 03/05/2019
Number of Days to Update: 53

Source: Alameda County Environmental Health Services
Telephone: 510-567-6700
Last EDR Contact: 09/27/2022
Next Scheduled EDR Contact: 01/16/2023
Data Release Frequency: Semi-Annually

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

UST ALAMEDA: Underground Tanks
Underground storage tank sites located in Alameda county.

Date of Government Version: 09/28/2022
Date Data Arrived at EDR: 09/29/2022
Date Made Active in Reports: 12/14/2022
Number of Days to Update: 76

Source: Alameda County Environmental Health Services
Telephone: 510-567-6700
Last EDR Contact: 09/27/2022
Next Scheduled EDR Contact: 01/16/2023
Data Release Frequency: Semi-Annually

AMADOR COUNTY:

CUPA AMADOR: CUPA Facility List
Cupa Facility List

Date of Government Version: 07/22/2022
Date Data Arrived at EDR: 07/27/2022
Date Made Active in Reports: 08/01/2022
Number of Days to Update: 5

Source: Amador County Environmental Health
Telephone: 209-223-6439
Last EDR Contact: 10/26/2022
Next Scheduled EDR Contact: 02/13/2023
Data Release Frequency: Varies

BUTTE COUNTY:

CUPA BUTTE: CUPA Facility Listing
Cupa facility list.

Date of Government Version: 04/21/2017
Date Data Arrived at EDR: 04/25/2017
Date Made Active in Reports: 08/09/2017
Number of Days to Update: 106

Source: Public Health Department
Telephone: 530-538-7149
Last EDR Contact: 09/27/2022
Next Scheduled EDR Contact: 01/16/2023
Data Release Frequency: No Update Planned

CALVERAS COUNTY:

CUPA CALVERAS: CUPA Facility Listing
Cupa Facility Listing

Date of Government Version: 06/14/2022
Date Data Arrived at EDR: 06/15/2022
Date Made Active in Reports: 09/02/2022
Number of Days to Update: 79

Source: Calveras County Environmental Health
Telephone: 209-754-6399
Last EDR Contact: 12/13/2022
Next Scheduled EDR Contact: 04/03/2023
Data Release Frequency: Quarterly

COLUSA COUNTY:

CUPA COLUSA: CUPA Facility List
Cupa facility list.

Date of Government Version: 04/06/2020
Date Data Arrived at EDR: 04/23/2020
Date Made Active in Reports: 07/10/2020
Number of Days to Update: 78

Source: Health & Human Services
Telephone: 530-458-0396
Last EDR Contact: 10/26/2022
Next Scheduled EDR Contact: 02/16/2023
Data Release Frequency: Semi-Annually

CONTRA COSTA COUNTY:

SL CONTRA COSTA: Site List
List includes sites from the underground tank, hazardous waste generator and business plan/2185 programs.

Date of Government Version: 07/20/2022
Date Data Arrived at EDR: 07/20/2022
Date Made Active in Reports: 10/03/2022
Number of Days to Update: 75

Source: Contra Costa Health Services Department
Telephone: 925-646-2286
Last EDR Contact: 10/20/2022
Next Scheduled EDR Contact: 02/06/2023
Data Release Frequency: Semi-Annually

DEL NORTE COUNTY:

CUPA DEL NORTE: CUPA Facility List
Cupa Facility list

Date of Government Version: 05/04/2022
Date Data Arrived at EDR: 05/06/2022
Date Made Active in Reports: 07/28/2022
Number of Days to Update: 83

Source: Del Norte County Environmental Health Division
Telephone: 707-465-0426
Last EDR Contact: 10/20/2022
Next Scheduled EDR Contact: 02/06/2023
Data Release Frequency: Varies

EL DORADO COUNTY:

CUPA EL DORADO: CUPA Facility List
CUPA facility list.

Date of Government Version: 08/08/2022
Date Data Arrived at EDR: 08/09/2022
Date Made Active in Reports: 09/01/2022
Number of Days to Update: 23

Source: El Dorado County Environmental Management Department
Telephone: 530-621-6623
Last EDR Contact: 10/20/2022
Next Scheduled EDR Contact: 02/06/2023
Data Release Frequency: Varies

FRESNO COUNTY:

CUPA FRESNO: CUPA Resources List
Certified Unified Program Agency. CUPA's are responsible for implementing a unified hazardous materials and hazardous waste management regulatory program. The agency provides oversight of businesses that deal with hazardous materials, operate underground storage tanks or aboveground storage tanks.

Date of Government Version: 06/28/2021
Date Data Arrived at EDR: 12/21/2021
Date Made Active in Reports: 03/03/2022
Number of Days to Update: 72

Source: Dept. of Community Health
Telephone: 559-445-3271
Last EDR Contact: 09/30/2022
Next Scheduled EDR Contact: 01/09/2023
Data Release Frequency: Semi-Annually

GLENN COUNTY:

CUPA GLENN: CUPA Facility List
Cupa facility list

Date of Government Version: 01/22/2018
Date Data Arrived at EDR: 01/24/2018
Date Made Active in Reports: 03/14/2018
Number of Days to Update: 49

Source: Glenn County Air Pollution Control District
Telephone: 830-934-6500
Last EDR Contact: 10/11/2022
Next Scheduled EDR Contact: 01/30/2023
Data Release Frequency: No Update Planned

HUMBOLDT COUNTY:

CUPA HUMBOLDT: CUPA Facility List
CUPA facility list.

Date of Government Version: 08/12/2021
Date Data Arrived at EDR: 08/12/2021
Date Made Active in Reports: 11/08/2021
Number of Days to Update: 88

Source: Humboldt County Environmental Health
Telephone: N/A
Last EDR Contact: 11/08/2022
Next Scheduled EDR Contact: 02/27/2023
Data Release Frequency: Semi-Annually

IMPERIAL COUNTY:

CUPA IMPERIAL: CUPA Facility List
Cupa facility list.

Date of Government Version: 07/13/2022
Date Data Arrived at EDR: 07/14/2022
Date Made Active in Reports: 09/29/2022
Number of Days to Update: 77

Source: San Diego Border Field Office
Telephone: 760-339-2777
Last EDR Contact: 10/11/2022
Next Scheduled EDR Contact: 01/30/2023
Data Release Frequency: Varies

INYO COUNTY:

CUPA INYO: CUPA Facility List
Cupa facility list.

Date of Government Version: 04/02/2018
Date Data Arrived at EDR: 04/03/2018
Date Made Active in Reports: 06/14/2018
Number of Days to Update: 72

Source: Inyo County Environmental Health Services
Telephone: 760-878-0238
Last EDR Contact: 11/08/2022
Next Scheduled EDR Contact: 02/27/2023
Data Release Frequency: Varies

KERN COUNTY:

CUPA KERN: CUPA Facility List
A listing of sites included in the Kern County Hazardous Material Business Plan.

Date of Government Version: 10/03/2022
Date Data Arrived at EDR: 10/05/2022
Date Made Active in Reports: 12/16/2022
Number of Days to Update: 72

Source: Kern County Public Health
Telephone: 661-321-3000
Last EDR Contact: 10/05/2022
Next Scheduled EDR Contact: 02/16/2023
Data Release Frequency: Varies

UST KERN: Underground Storage Tank Sites & Tank Listing
Kern County Sites and Tanks Listing.

Date of Government Version: 10/03/2022
Date Data Arrived at EDR: 10/05/2022
Date Made Active in Reports: 12/16/2022
Number of Days to Update: 72

Source: Kern County Environment Health Services Department
Telephone: 661-862-8700
Last EDR Contact: 10/05/2022
Next Scheduled EDR Contact: 02/16/2023
Data Release Frequency: Quarterly

KINGS COUNTY:

CUPA KINGS: CUPA Facility List
A listing of sites included in the county's Certified Unified Program Agency database. California's Secretary for Environmental Protection established the unified hazardous materials and hazardous waste regulatory program as required by chapter 6.11 of the California Health and Safety Code. The Unified Program consolidates the administration, permits, inspections, and enforcement activities.

Date of Government Version: 12/03/2020
Date Data Arrived at EDR: 01/26/2021
Date Made Active in Reports: 04/14/2021
Number of Days to Update: 78

Source: Kings County Department of Public Health
Telephone: 559-584-1411
Last EDR Contact: 11/08/2022
Next Scheduled EDR Contact: 02/27/2023
Data Release Frequency: Varies

LAKE COUNTY:

CUPA LAKE: CUPA Facility List
Cupa facility list

Date of Government Version: 07/22/2022
Date Data Arrived at EDR: 07/25/2022
Date Made Active in Reports: 10/05/2022
Number of Days to Update: 72

Source: Lake County Environmental Health
Telephone: 707-263-1164
Last EDR Contact: 10/04/2022
Next Scheduled EDR Contact: 01/23/2023
Data Release Frequency: Varies

LASSEN COUNTY:

CUPA LASSEN: CUPA Facility List
Cupa facility list

Date of Government Version: 07/31/2020
Date Data Arrived at EDR: 08/21/2020
Date Made Active in Reports: 11/09/2020
Number of Days to Update: 80

Source: Lassen County Environmental Health
Telephone: 530-251-8528
Last EDR Contact: 10/11/2022
Next Scheduled EDR Contact: 01/30/2023
Data Release Frequency: Varies

LOS ANGELES COUNTY:

AOCONCERN: Key Areas of Concerns in Los Angeles County
San Gabriel Valley areas where VOC contamination is at or above the MCL as designated by region 9 EPA office. Date of Government Version: 3/30/2009 Exide Site area is a cleanup plan of lead-impacted soil surrounding the former Exide Facility as designated by the DTSC. Date of Government Version: 7/17/2017

Date of Government Version: 03/30/2009
Date Data Arrived at EDR: 03/31/2009
Date Made Active in Reports: 10/23/2009
Number of Days to Update: 206

Source: N/A
Telephone: N/A
Last EDR Contact: 12/06/2022
Next Scheduled EDR Contact: 03/27/2023
Data Release Frequency: No Update Planned

HMS LOS ANGELES: HMS: Street Number List
Industrial Waste and Underground Storage Tank Sites.

Date of Government Version: 10/03/2022
Date Data Arrived at EDR: 10/04/2022
Date Made Active in Reports: 12/15/2022
Number of Days to Update: 72

Source: Department of Public Works
Telephone: 626-458-3517
Last EDR Contact: 09/27/2022
Next Scheduled EDR Contact: 01/16/2023
Data Release Frequency: Semi-Annually

LF LOS ANGELES: List of Solid Waste Facilities
Solid Waste Facilities in Los Angeles County.

Date of Government Version: 07/11/2022
Date Data Arrived at EDR: 07/11/2022
Date Made Active in Reports: 09/23/2022
Number of Days to Update: 74

Source: La County Department of Public Works
Telephone: 818-458-5185
Last EDR Contact: 10/07/2022
Next Scheduled EDR Contact: 01/23/2023
Data Release Frequency: Varies

LF LOS ANGELES CITY: City of Los Angeles Landfills
Landfills owned and maintained by the City of Los Angeles.

Date of Government Version: 01/01/2022
Date Data Arrived at EDR: 01/21/2022
Date Made Active in Reports: 04/11/2022
Number of Days to Update: 80

Source: Engineering & Construction Division
Telephone: 213-473-7869
Last EDR Contact: 10/04/2022
Next Scheduled EDR Contact: 01/23/2023
Data Release Frequency: Varies

LOS ANGELES AST: Active & Inactive AST Inventory
A listing of active & inactive above ground petroleum storage tank site locations, located in the City of Los Angeles.

Date of Government Version: 06/01/2019
Date Data Arrived at EDR: 06/25/2019
Date Made Active in Reports: 08/22/2019
Number of Days to Update: 58

Source: Los Angeles Fire Department
Telephone: 213-978-3800
Last EDR Contact: 12/13/2022
Next Scheduled EDR Contact: 04/03/2023
Data Release Frequency: Varies

LOS ANGELES CO LF METHANE: Methane Producing Landfills
This data was created on April 30, 2012 to represent known disposal sites in Los Angeles County that may produce and emanate methane gas. The shapefile contains disposal sites within Los Angeles County that once accepted degradable refuse material. Information used to create this data was extracted from a landfill survey performed by County Engineers (Major Waste System Map, 1973) as well as historical records from CalRecycle, Regional Water Quality Control Board, and Los Angeles County Department of Public Health

Date of Government Version: 01/10/2022
Date Data Arrived at EDR: 01/12/2022
Date Made Active in Reports: 04/04/2022
Number of Days to Update: 82

Source: Los Angeles County Department of Public Works
Telephone: 626-458-6973
Last EDR Contact: 10/04/2022
Next Scheduled EDR Contact: 01/23/2023
Data Release Frequency: No Update Planned

LOS ANGELES HM: Active & Inactive Hazardous Materials Inventory
A listing of active & inactive hazardous materials facility locations, located in the City of Los Angeles.

Date of Government Version: 08/30/2022
Date Data Arrived at EDR: 09/20/2022
Date Made Active in Reports: 12/07/2022
Number of Days to Update: 78

Source: Los Angeles Fire Department
Telephone: 213-978-3800
Last EDR Contact: 12/14/2022
Next Scheduled EDR Contact: 04/03/2023
Data Release Frequency: Varies

LOS ANGELES UST: Active & Inactive UST Inventory
A listing of active & inactive underground storage tank site locations and underground storage tank historical sites, located in the City of Los Angeles.

Date of Government Version: 08/30/2022
Date Data Arrived at EDR: 09/20/2022
Date Made Active in Reports: 12/08/2022
Number of Days to Update: 79

Source: Los Angeles Fire Department
Telephone: 213-978-3800
Last EDR Contact: 12/14/2022
Next Scheduled EDR Contact: 04/03/2023
Data Release Frequency: Varies

SITE MIT LOS ANGELES: Site Mitigation List
Industrial sites that have had some sort of spill or complaint.

Date of Government Version: 05/26/2021
Date Data Arrived at EDR: 07/09/2021
Date Made Active in Reports: 09/29/2021
Number of Days to Update: 82

Source: Community Health Services
Telephone: 323-890-7806
Last EDR Contact: 10/20/2022
Next Scheduled EDR Contact: 01/30/2023
Data Release Frequency: Annually

UST EL SEGUNDO: City of El Segundo Underground Storage Tank
Underground storage tank sites located in El Segundo city.

Date of Government Version: 01/21/2017
Date Data Arrived at EDR: 04/19/2017
Date Made Active in Reports: 05/10/2017
Number of Days to Update: 21

Source: City of El Segundo Fire Department
Telephone: 310-524-2236
Last EDR Contact: 10/04/2022
Next Scheduled EDR Contact: 01/23/2023
Data Release Frequency: No Update Planned

UST LONG BEACH: City of Long Beach Underground Storage Tank
Underground storage tank sites located in the city of Long Beach.

Date of Government Version: 04/22/2019
Date Data Arrived at EDR: 04/23/2019
Date Made Active in Reports: 06/27/2019
Number of Days to Update: 65

Source: City of Long Beach Fire Department
Telephone: 562-570-2563
Last EDR Contact: 10/11/2022
Next Scheduled EDR Contact: 01/30/2023
Data Release Frequency: Varies

UST TORRANCE: City of Torrance Underground Storage Tank
Underground storage tank sites located in the city of Torrance.

Date of Government Version: 04/22/2022
Date Data Arrived at EDR: 07/19/2022
Date Made Active in Reports: 09/30/2022
Number of Days to Update: 73

Source: City of Torrance Fire Department
Telephone: 310-618-2973
Last EDR Contact: 10/11/2022
Next Scheduled EDR Contact: 01/30/2023
Data Release Frequency: Semi-Annually

MADERA COUNTY:

CUPA MADERA: CUPA Facility List
A listing of sites included in the county's Certified Unified Program Agency database. California's Secretary for Environmental Protection established the unified hazardous materials and hazardous waste regulatory program as required by chapter 6.11 of the California Health and Safety Code. The Unified Program consolidates the administration, permits, inspections, and enforcement activities.

Date of Government Version: 08/10/2020
Date Data Arrived at EDR: 08/12/2020
Date Made Active in Reports: 10/23/2020
Number of Days to Update: 72

Source: Madera County Environmental Health
Telephone: 559-675-7823
Last EDR Contact: 11/08/2022
Next Scheduled EDR Contact: 02/27/2023
Data Release Frequency: Varies

MARIN COUNTY:

UST MARIN: Underground Storage Tank Sites
Currently permitted USTs in Marin County.

Date of Government Version: 09/26/2018
Date Data Arrived at EDR: 10/04/2018
Date Made Active in Reports: 11/02/2018
Number of Days to Update: 29

Source: Public Works Department Waste Management
Telephone: 415-473-6647
Last EDR Contact: 09/21/2022
Next Scheduled EDR Contact: 01/10/2023
Data Release Frequency: Semi-Annually

MENDOCINO COUNTY:

UST MENDOCINO: Mendocino County UST Database
A listing of underground storage tank locations in Mendocino County.

Date of Government Version: 09/22/2021
Date Data Arrived at EDR: 11/18/2021
Date Made Active in Reports: 11/22/2021
Number of Days to Update: 4

Source: Department of Public Health
Telephone: 707-463-4466
Last EDR Contact: 11/15/2022
Next Scheduled EDR Contact: 03/06/2023
Data Release Frequency: Annually

MERCED COUNTY:

CUPA MERCED: CUPA Facility List
CUPA facility list.

Date of Government Version: 02/15/2022
Date Data Arrived at EDR: 02/17/2022
Date Made Active in Reports: 05/11/2022
Number of Days to Update: 83

Source: Merced County Environmental Health
Telephone: 209-381-1094
Last EDR Contact: 11/08/2022
Next Scheduled EDR Contact: 02/27/2023
Data Release Frequency: Varies

MONO COUNTY:

CUPA MONO: CUPA Facility List
CUPA Facility List

Date of Government Version: 02/22/2021
Date Data Arrived at EDR: 03/02/2021
Date Made Active in Reports: 05/19/2021
Number of Days to Update: 78

Source: Mono County Health Department
Telephone: 760-932-5580
Last EDR Contact: 11/15/2022
Next Scheduled EDR Contact: 03/06/2023
Data Release Frequency: Varies

MONTEREY COUNTY:

CUPA MONTEREY: CUPA Facility Listing
CUPA Program listing from the Environmental Health Division.

Date of Government Version: 10/04/2021
Date Data Arrived at EDR: 10/06/2021
Date Made Active in Reports: 12/29/2021
Number of Days to Update: 84

Source: Monterey County Health Department
Telephone: 831-796-1297
Last EDR Contact: 11/15/2022
Next Scheduled EDR Contact: 01/09/2023
Data Release Frequency: Varies

NAPA COUNTY:

LUST NAPA: Sites With Reported Contamination
A listing of leaking underground storage tank sites located in Napa county.

Date of Government Version: 01/09/2017
Date Data Arrived at EDR: 01/11/2017
Date Made Active in Reports: 03/02/2017
Number of Days to Update: 50

Source: Napa County Department of Environmental Management
Telephone: 707-253-4269
Last EDR Contact: 11/15/2022
Next Scheduled EDR Contact: 03/06/2023
Data Release Frequency: No Update Planned

UST NAPA: Closed and Operating Underground Storage Tank Sites
Underground storage tank sites located in Napa county.

Date of Government Version: 09/05/2019
Date Data Arrived at EDR: 09/09/2019
Date Made Active in Reports: 10/31/2019
Number of Days to Update: 52

Source: Napa County Department of Environmental Management
Telephone: 707-253-4269
Last EDR Contact: 11/15/2022
Next Scheduled EDR Contact: 03/06/2023
Data Release Frequency: No Update Planned

NEVADA COUNTY:

CUPA NEVADA: CUPA Facility List
CUPA facility list.

Date of Government Version: 07/21/2022
Date Data Arrived at EDR: 07/25/2022
Date Made Active in Reports: 07/28/2022
Number of Days to Update: 3

Source: Community Development Agency
Telephone: 530-265-1467
Last EDR Contact: 10/20/2022
Next Scheduled EDR Contact: 02/06/2023
Data Release Frequency: Varies

ORANGE COUNTY:

IND_SITE ORANGE: List of Industrial Site Cleanups
Petroleum and non-petroleum spills.

Date of Government Version: 05/24/2022
Date Data Arrived at EDR: 08/09/2022
Date Made Active in Reports: 10/28/2022
Number of Days to Update: 80

Source: Health Care Agency
Telephone: 714-834-3446
Last EDR Contact: 11/03/2022
Next Scheduled EDR Contact: 02/13/2023
Data Release Frequency: Annually

LUST ORANGE: List of Underground Storage Tank Cleanups
Orange County Underground Storage Tank Cleanups (LUST).

Date of Government Version: 04/08/2022
Date Data Arrived at EDR: 05/18/2022
Date Made Active in Reports: 08/03/2022
Number of Days to Update: 77

Source: Health Care Agency
Telephone: 714-834-3446
Last EDR Contact: 11/03/2022
Next Scheduled EDR Contact: 02/13/2023
Data Release Frequency: Quarterly

UST ORANGE: List of Underground Storage Tank Facilities
Orange County Underground Storage Tank Facilities (UST).

Date of Government Version: 05/24/2022
Date Data Arrived at EDR: 08/01/2022
Date Made Active in Reports: 10/20/2022
Number of Days to Update: 80

Source: Health Care Agency
Telephone: 714-834-3446
Last EDR Contact: 11/03/2022
Next Scheduled EDR Contact: 02/13/2023
Data Release Frequency: Quarterly

PLACER COUNTY:

MS PLACER: Master List of Facilities
List includes aboveground tanks, underground tanks and cleanup sites.

Date of Government Version: 08/26/2022
Date Data Arrived at EDR: 08/29/2022
Date Made Active in Reports: 11/15/2022
Number of Days to Update: 78

Source: Placer County Health and Human Services
Telephone: 530-745-2363
Last EDR Contact: 11/22/2022
Next Scheduled EDR Contact: 03/13/2023
Data Release Frequency: Semi-Annually

PLUMAS COUNTY:

CUPA PLUMAS: CUPA Facility List
Plumas County CUPA Program facilities.

Date of Government Version: 03/31/2019
Date Data Arrived at EDR: 04/23/2019
Date Made Active in Reports: 06/26/2019
Number of Days to Update: 64

Source: Plumas County Environmental Health
Telephone: 530-283-6355
Last EDR Contact: 10/11/2022
Next Scheduled EDR Contact: 01/30/2023
Data Release Frequency: Varies

RIVERSIDE COUNTY:

LUST RIVERSIDE: Listing of Underground Tank Cleanup Sites
Riverside County Underground Storage Tank Cleanup Sites (LUST).

Date of Government Version: 09/22/2022
Date Data Arrived at EDR: 09/26/2022
Date Made Active in Reports: 12/09/2022
Number of Days to Update: 74

Source: Department of Environmental Health
Telephone: 951-358-5055
Last EDR Contact: 12/06/2022
Next Scheduled EDR Contact: 03/27/2023
Data Release Frequency: Quarterly

UST RIVERSIDE: Underground Storage Tank Tank List
Underground storage tank sites located in Riverside county.

Date of Government Version: 09/22/2022
Date Data Arrived at EDR: 09/26/2022
Date Made Active in Reports: 12/09/2022
Number of Days to Update: 74

Source: Department of Environmental Health
Telephone: 951-358-5055
Last EDR Contact: 12/06/2022
Next Scheduled EDR Contact: 03/27/2023
Data Release Frequency: Quarterly

SACRAMENTO COUNTY:

CS SACRAMENTO: Toxic Site Clean-Up List
List of sites where unauthorized releases of potentially hazardous materials have occurred.

Date of Government Version: 06/18/2021
Date Data Arrived at EDR: 09/28/2021
Date Made Active in Reports: 12/14/2021
Number of Days to Update: 77

Source: Sacramento County Environmental Management
Telephone: 916-875-8406
Last EDR Contact: 09/30/2022
Next Scheduled EDR Contact: 01/09/2023
Data Release Frequency: Quarterly

ML SACRAMENTO: Master Hazardous Materials Facility List
Any business that has hazardous materials on site - hazardous material storage sites, underground storage tanks, waste generators.

Date of Government Version: 05/04/2022
Date Data Arrived at EDR: 06/30/2022
Date Made Active in Reports: 07/05/2022
Number of Days to Update: 5

Source: Sacramento County Environmental Management
Telephone: 916-875-8406
Last EDR Contact: 12/09/2022
Next Scheduled EDR Contact: 01/10/2023
Data Release Frequency: Quarterly

SAN BENITO COUNTY:

CUPA SAN BENITO: CUPA Facility List
Cupa facility list

Date of Government Version: 07/27/2022
Date Data Arrived at EDR: 07/27/2022
Date Made Active in Reports: 10/11/2022
Number of Days to Update: 76

Source: San Benito County Environmental Health
Telephone: N/A
Last EDR Contact: 10/26/2022
Next Scheduled EDR Contact: 02/16/2023
Data Release Frequency: Varies

SAN BERNARDINO COUNTY:

PERMITS SAN BERNARDINO: Hazardous Material Permits
This listing includes underground storage tanks, medical waste handlers/generators, hazardous materials handlers, hazardous waste generators, and waste oil generators/handlers.

Date of Government Version: 08/22/2022
Date Data Arrived at EDR: 08/23/2022
Date Made Active in Reports: 11/11/2022
Number of Days to Update: 80

Source: San Bernardino County Fire Department Hazardous Materials Division
Telephone: 909-387-3041
Last EDR Contact: 10/28/2022
Next Scheduled EDR Contact: 02/16/2023
Data Release Frequency: Quarterly

SAN DIEGO COUNTY:

HMMD SAN DIEGO: Hazardous Materials Management Division Database

The database includes: HE58 - This report contains the business name, site address, business phone number, establishment 'H' permit number, type of permit, and the business status. HE17 - In addition to providing the same information provided in the HE58 listing, HE17 provides inspection dates, violations received by the establishment, hazardous waste generated, the quantity, method of storage, treatment/disposal of waste and the hauler, and information on underground storage tanks. Unauthorized Release List - Includes a summary of environmental contamination cases in San Diego County (underground tank cases, non-tank cases, groundwater contamination, and soil contamination are included.)

Date of Government Version: 08/25/2022
Date Data Arrived at EDR: 08/25/2022
Date Made Active in Reports: 11/15/2022
Number of Days to Update: 82

Source: Hazardous Materials Management Division
Telephone: 619-338-2268
Last EDR Contact: 11/29/2022
Next Scheduled EDR Contact: 03/13/2023
Data Release Frequency: Quarterly

LF SAN DIEGO: Solid Waste Facilities

San Diego County Solid Waste Facilities.

Date of Government Version: 10/27/2021
Date Data Arrived at EDR: 03/04/2022
Date Made Active in Reports: 05/31/2022
Number of Days to Update: 88

Source: Department of Health Services
Telephone: 619-338-2209
Last EDR Contact: 10/11/2022
Next Scheduled EDR Contact: 01/30/2023
Data Release Frequency: Varies

SAN DIEGO CO LOP: Local Oversight Program Listing

A listing of all LOP release sites that are or were under the County of San Diego's jurisdiction. Included are closed or transferred cases, open cases, and cases that did not have a case type indicated. The cases without a case type are mostly complaints; however, some of them could be LOP cases.

Date of Government Version: 07/22/2021
Date Data Arrived at EDR: 10/19/2021
Date Made Active in Reports: 01/13/2022
Number of Days to Update: 86

Source: Department of Environmental Health
Telephone: 858-505-6874
Last EDR Contact: 10/11/2022
Next Scheduled EDR Contact: 01/30/2023
Data Release Frequency: Varies

SAN DIEGO CO SAM: Environmental Case Listing

The listing contains all underground tank release cases and projects pertaining to properties contaminated with hazardous substances that are actively under review by the Site Assessment and Mitigation Program.

Date of Government Version: 03/23/2010
Date Data Arrived at EDR: 06/15/2010
Date Made Active in Reports: 07/09/2010
Number of Days to Update: 24

Source: San Diego County Department of Environmental Health
Telephone: 619-338-2371
Last EDR Contact: 11/22/2022
Next Scheduled EDR Contact: 03/13/2023
Data Release Frequency: No Update Planned

SAN FRANCISCO COUNTY:

CUPA SAN FRANCISCO CO: CUPA Facility Listing

Cupa facilities

Date of Government Version: 08/04/2022
Date Data Arrived at EDR: 08/04/2022
Date Made Active in Reports: 10/20/2022
Number of Days to Update: 77

Source: San Francisco County Department of Environmental Health
Telephone: 415-252-3896
Last EDR Contact: 10/26/2022
Next Scheduled EDR Contact: 02/16/2023
Data Release Frequency: Varies

LUST SAN FRANCISCO: Local Oversite Facilities
A listing of leaking underground storage tank sites located in San Francisco county.

Date of Government Version: 09/19/2008
Date Data Arrived at EDR: 09/19/2008
Date Made Active in Reports: 09/29/2008
Number of Days to Update: 10

Source: Department Of Public Health San Francisco County
Telephone: 415-252-3920
Last EDR Contact: 10/26/2022
Next Scheduled EDR Contact: 02/16/2023
Data Release Frequency: No Update Planned

UST SAN FRANCISCO: Underground Storage Tank Information
Underground storage tank sites located in San Francisco county.

Date of Government Version: 08/04/2022
Date Data Arrived at EDR: 08/04/2022
Date Made Active in Reports: 10/20/2022
Number of Days to Update: 77

Source: Department of Public Health
Telephone: 415-252-3920
Last EDR Contact: 10/26/2022
Next Scheduled EDR Contact: 02/13/2023
Data Release Frequency: Quarterly

SAN FRANCISO COUNTY:

SAN FRANCISCO MAHER: Maher Ordinance Property Listing
a listing of properties that fall within a Maher Ordinance, for all of San Francisco

Date of Government Version: 01/18/2022
Date Data Arrived at EDR: 01/20/2022
Date Made Active in Reports: 04/27/2022
Number of Days to Update: 97

Source: San Francisco Planning
Telephone: 628-652-7483
Last EDR Contact: 10/07/2022
Next Scheduled EDR Contact: 01/30/2023
Data Release Frequency: Varies

SAN JOAQUIN COUNTY:

UST SAN JOAQUIN: San Joaquin Co. UST
A listing of underground storage tank locations in San Joaquin county.

Date of Government Version: 06/22/2018
Date Data Arrived at EDR: 06/26/2018
Date Made Active in Reports: 07/11/2018
Number of Days to Update: 15

Source: Environmental Health Department
Telephone: N/A
Last EDR Contact: 12/06/2022
Next Scheduled EDR Contact: 03/27/2023
Data Release Frequency: Semi-Annually

SAN LUIS OBISPO COUNTY:

CUPA SAN LUIS OBISPO: CUPA Facility List
Cupa Facility List.

Date of Government Version: 08/10/2022
Date Data Arrived at EDR: 08/11/2022
Date Made Active in Reports: 10/28/2022
Number of Days to Update: 78

Source: San Luis Obispo County Public Health Department
Telephone: 805-781-5596
Last EDR Contact: 11/08/2022
Next Scheduled EDR Contact: 02/27/2023
Data Release Frequency: Varies

SAN MATEO COUNTY:

BI SAN MATEO: Business Inventory
List includes Hazardous Materials Business Plan, hazardous waste generators, and underground storage tanks.

Date of Government Version: 02/20/2020
Date Data Arrived at EDR: 02/20/2020
Date Made Active in Reports: 04/24/2020
Number of Days to Update: 64
Source: San Mateo County Environmental Health Services Division
Telephone: 650-363-1921
Last EDR Contact: 12/09/2022
Next Scheduled EDR Contact: 03/20/2023
Data Release Frequency: Annually

LUST SAN MATEO: Fuel Leak List
A listing of leaking underground storage tank sites located in San Mateo county.

Date of Government Version: 03/29/2019
Date Data Arrived at EDR: 03/29/2019
Date Made Active in Reports: 05/29/2019
Number of Days to Update: 61
Source: San Mateo County Environmental Health Services Division
Telephone: 650-363-1921
Last EDR Contact: 11/30/2022
Next Scheduled EDR Contact: 03/20/2023
Data Release Frequency: Semi-Annually

SANTA BARBARA COUNTY:

CUPA SANTA BARBARA: CUPA Facility Listing
CUPA Program Listing from the Environmental Health Services division.

Date of Government Version: 09/08/2011
Date Data Arrived at EDR: 09/09/2011
Date Made Active in Reports: 10/07/2011
Number of Days to Update: 28
Source: Santa Barbara County Public Health Department
Telephone: 805-686-8167
Last EDR Contact: 11/08/2022
Next Scheduled EDR Contact: 02/27/2023
Data Release Frequency: No Update Planned

SANTA CLARA COUNTY:

CUPA SANTA CLARA: Cupa Facility List
Cupa facility list

Date of Government Version: 05/16/2022
Date Data Arrived at EDR: 05/18/2022
Date Made Active in Reports: 08/04/2022
Number of Days to Update: 78
Source: Department of Environmental Health
Telephone: 408-918-1973
Last EDR Contact: 10/28/2022
Next Scheduled EDR Contact: 02/27/2023
Data Release Frequency: Varies

HIST LUST SANTA CLARA: HIST LUST - Fuel Leak Site Activity Report
A listing of open and closed leaking underground storage tanks. This listing is no longer updated by the county. Leaking underground storage tanks are now handled by the Department of Environmental Health.

Date of Government Version: 03/29/2005
Date Data Arrived at EDR: 03/30/2005
Date Made Active in Reports: 04/21/2005
Number of Days to Update: 22
Source: Santa Clara Valley Water District
Telephone: 408-265-2600
Last EDR Contact: 03/23/2009
Next Scheduled EDR Contact: 06/22/2009
Data Release Frequency: No Update Planned

LUST SANTA CLARA: LOP Listing
A listing of leaking underground storage tanks located in Santa Clara county.

Date of Government Version: 03/03/2014
Date Data Arrived at EDR: 03/05/2014
Date Made Active in Reports: 03/18/2014
Number of Days to Update: 13
Source: Department of Environmental Health
Telephone: 408-918-3417
Last EDR Contact: 11/15/2022
Next Scheduled EDR Contact: 03/06/2023
Data Release Frequency: No Update Planned

SAN JOSE HAZMAT: Hazardous Material Facilities
Hazardous material facilities, including underground storage tank sites.

Date of Government Version: 11/03/2020
Date Data Arrived at EDR: 11/05/2020
Date Made Active in Reports: 01/26/2021
Number of Days to Update: 82

Source: City of San Jose Fire Department
Telephone: 408-535-7694
Last EDR Contact: 10/26/2022
Next Scheduled EDR Contact: 02/16/2023
Data Release Frequency: Annually

SANTA CRUZ COUNTY:

CUPA SANTA CRUZ: CUPA Facility List
CUPA facility listing.

Date of Government Version: 01/21/2017
Date Data Arrived at EDR: 02/22/2017
Date Made Active in Reports: 05/23/2017
Number of Days to Update: 90

Source: Santa Cruz County Environmental Health
Telephone: 831-464-2761
Last EDR Contact: 11/08/2022
Next Scheduled EDR Contact: 02/27/2023
Data Release Frequency: Varies

SHASTA COUNTY:

CUPA SHASTA: CUPA Facility List
Cupa Facility List.

Date of Government Version: 06/15/2017
Date Data Arrived at EDR: 06/19/2017
Date Made Active in Reports: 08/09/2017
Number of Days to Update: 51

Source: Shasta County Department of Resource Management
Telephone: 530-225-5789
Last EDR Contact: 11/08/2022
Next Scheduled EDR Contact: 02/27/2023
Data Release Frequency: Varies

SOLANO COUNTY:

LUST SOLANO: Leaking Underground Storage Tanks
A listing of leaking underground storage tank sites located in Solano county.

Date of Government Version: 06/04/2019
Date Data Arrived at EDR: 06/06/2019
Date Made Active in Reports: 08/13/2019
Number of Days to Update: 68

Source: Solano County Department of Environmental Management
Telephone: 707-784-6770
Last EDR Contact: 11/22/2022
Next Scheduled EDR Contact: 03/13/2023
Data Release Frequency: Quarterly

UST SOLANO: Underground Storage Tanks
Underground storage tank sites located in Solano county.

Date of Government Version: 09/15/2021
Date Data Arrived at EDR: 09/16/2021
Date Made Active in Reports: 12/09/2021
Number of Days to Update: 84

Source: Solano County Department of Environmental Management
Telephone: 707-784-6770
Last EDR Contact: 11/22/2022
Next Scheduled EDR Contact: 03/13/2023
Data Release Frequency: Quarterly

SONOMA COUNTY:

CUPA SONOMA: Cupa Facility List
Cupa Facility list

Date of Government Version: 07/02/2021
Date Data Arrived at EDR: 07/06/2021
Date Made Active in Reports: 07/14/2021
Number of Days to Update: 8

Source: County of Sonoma Fire & Emergency Services Department
Telephone: 707-565-1174
Last EDR Contact: 12/13/2022
Next Scheduled EDR Contact: 04/03/2023
Data Release Frequency: Varies

LUST SONOMA: Leaking Underground Storage Tank Sites
A listing of leaking underground storage tank sites located in Sonoma county.

Date of Government Version: 06/30/2021
Date Data Arrived at EDR: 06/30/2021
Date Made Active in Reports: 09/24/2021
Number of Days to Update: 86

Source: Department of Health Services
Telephone: 707-565-6565
Last EDR Contact: 12/13/2022
Next Scheduled EDR Contact: 04/03/2023
Data Release Frequency: Quarterly

STANISLAUS COUNTY:

CUPA STANISLAUS: CUPA Facility List
Cupa facility list

Date of Government Version: 02/08/2022
Date Data Arrived at EDR: 02/10/2022
Date Made Active in Reports: 05/04/2022
Number of Days to Update: 83

Source: Stanislaus County Department of Ennvironmental Protection
Telephone: 209-525-6751
Last EDR Contact: 10/04/2022
Next Scheduled EDR Contact: 01/23/2023
Data Release Frequency: Varies

SUTTER COUNTY:

UST SUTTER: Underground Storage Tanks
Underground storage tank sites located in Sutter county.

Date of Government Version: 08/03/2022
Date Data Arrived at EDR: 08/25/2022
Date Made Active in Reports: 11/14/2022
Number of Days to Update: 81

Source: Sutter County Environmental Health Services
Telephone: 530-822-7500
Last EDR Contact: 11/23/2022
Next Scheduled EDR Contact: 03/13/2023
Data Release Frequency: Semi-Annually

TEHAMA COUNTY:

CUPA TEHAMA: CUPA Facility List
Cupa facilities

Date of Government Version: 07/27/2022
Date Data Arrived at EDR: 07/27/2022
Date Made Active in Reports: 10/11/2022
Number of Days to Update: 76

Source: Tehama County Department of Environmental Health
Telephone: 530-527-8020
Last EDR Contact: 11/08/2022
Next Scheduled EDR Contact: 02/16/2023
Data Release Frequency: Varies

TRINITY COUNTY:

CUPA TRINITY: CUPA Facility List
Cupa facility list

Date of Government Version: 07/13/2022
Date Data Arrived at EDR: 07/14/2022
Date Made Active in Reports: 09/29/2022
Number of Days to Update: 77

Source: Department of Toxic Substances Control
Telephone: 760-352-0381
Last EDR Contact: 10/11/2022
Next Scheduled EDR Contact: 01/30/2023
Data Release Frequency: Varies

TULARE COUNTY:

CUPA TULARE: CUPA Facility List
Cupa program facilities

Date of Government Version: 04/26/2021
Date Data Arrived at EDR: 04/28/2021
Date Made Active in Reports: 07/13/2021
Number of Days to Update: 76

Source: Tulare County Environmental Health Services Division
Telephone: 559-624-7400
Last EDR Contact: 10/05/2022
Next Scheduled EDR Contact: 02/16/2023
Data Release Frequency: Varies

TUOLUMNE COUNTY:

CUPA TUOLUMNE: CUPA Facility List
Cupa facility list

Date of Government Version: 04/23/2018
Date Data Arrived at EDR: 04/25/2018
Date Made Active in Reports: 06/25/2018
Number of Days to Update: 61

Source: Divison of Environmental Health
Telephone: 209-533-5633
Last EDR Contact: 10/11/2022
Next Scheduled EDR Contact: 01/30/2023
Data Release Frequency: Varies

VENTURA COUNTY:

BWT VENTURA: Business Plan, Hazardous Waste Producers, and Operating Underground Tanks
The BWT list indicates by site address whether the Environmental Health Division has Business Plan (B), Waste Producer (W), and/or Underground Tank (T) information.

Date of Government Version: 05/26/2022
Date Data Arrived at EDR: 07/21/2022
Date Made Active in Reports: 09/30/2022
Number of Days to Update: 71

Source: Ventura County Environmental Health Division
Telephone: 805-654-2813
Last EDR Contact: 10/17/2022
Next Scheduled EDR Contact: 01/30/2023
Data Release Frequency: Quarterly

LF VENTURA: Inventory of Illegal Abandoned and Inactive Sites
Ventura County Inventory of Closed, Illegal Abandoned, and Inactive Sites.

Date of Government Version: 12/01/2011
Date Data Arrived at EDR: 12/01/2011
Date Made Active in Reports: 01/19/2012
Number of Days to Update: 49

Source: Environmental Health Division
Telephone: 805-654-2813
Last EDR Contact: 09/21/2022
Next Scheduled EDR Contact: 01/10/2023
Data Release Frequency: No Update Planned

LUST VENTURA: Listing of Underground Tank Cleanup Sites
Ventura County Underground Storage Tank Cleanup Sites (LUST).

Date of Government Version: 05/29/2008
Date Data Arrived at EDR: 06/24/2008
Date Made Active in Reports: 07/31/2008
Number of Days to Update: 37

Source: Environmental Health Division
Telephone: 805-654-2813
Last EDR Contact: 11/01/2022
Next Scheduled EDR Contact: 02/20/2023
Data Release Frequency: No Update Planned

MED WASTE VENTURA: Medical Waste Program List
To protect public health and safety and the environment from potential exposure to disease causing agents, the Environmental Health Division Medical Waste Program regulates the generation, handling, storage, treatment and disposal of medical waste throughout the County.

Date of Government Version: 05/26/2022
Date Data Arrived at EDR: 07/25/2022
Date Made Active in Reports: 10/05/2022
Number of Days to Update: 72

Source: Ventura County Resource Management Agency
Telephone: 805-654-2813
Last EDR Contact: 10/17/2022
Next Scheduled EDR Contact: 01/30/2023
Data Release Frequency: Quarterly

UST VENTURA: Underground Tank Closed Sites List
Ventura County Operating Underground Storage Tank Sites (UST)/Underground Tank Closed Sites List.

Date of Government Version: 08/29/2022
Date Data Arrived at EDR: 08/31/2022
Date Made Active in Reports: 11/21/2022
Number of Days to Update: 82

Source: Environmental Health Division
Telephone: 805-654-2813
Last EDR Contact: 12/02/2022
Next Scheduled EDR Contact: 03/20/2023
Data Release Frequency: Quarterly

YOLO COUNTY:

UST YOLO: Underground Storage Tank Comprehensive Facility Report
Underground storage tank sites located in Yolo county.

Date of Government Version: 09/21/2022
Date Data Arrived at EDR: 09/30/2022
Date Made Active in Reports: 12/14/2022
Number of Days to Update: 75

Source: Yolo County Department of Health
Telephone: 530-666-8646
Last EDR Contact: 09/21/2022
Next Scheduled EDR Contact: 01/10/2023
Data Release Frequency: Annually

YUBA COUNTY:

CUPA YUBA: CUPA Facility List
CUPA facility listing for Yuba County.

Date of Government Version: 10/25/2022
Date Data Arrived at EDR: 10/26/2022
Date Made Active in Reports: 10/31/2022
Number of Days to Update: 5

Source: Yuba County Environmental Health Department
Telephone: 530-749-7523
Last EDR Contact: 10/20/2022
Next Scheduled EDR Contact: 02/06/2023
Data Release Frequency: Varies

OTHER DATABASE(S)

Depending on the geographic area covered by this report, the data provided in these specialty databases may or may not be complete. For example, the existence of wetlands information data in a specific report does not mean that all wetlands in the area covered by the report are included. Moreover, the absence of any reported wetlands information does not necessarily mean that wetlands do not exist in the area covered by the report.

CT MANIFEST: Hazardous Waste Manifest Data
Facility and manifest data. Manifest is a document that lists and tracks hazardous waste from the generator through transporters to a tsd facility.

Date of Government Version: 08/08/2022
Date Data Arrived at EDR: 08/08/2022
Date Made Active in Reports: 10/21/2022
Number of Days to Update: 74

Source: Department of Energy & Environmental Protection
Telephone: 860-424-3375
Last EDR Contact: 11/16/2022
Next Scheduled EDR Contact: 02/20/2023
Data Release Frequency: No Update Planned

NJ MANIFEST: Manifest Information
Hazardous waste manifest information.

Date of Government Version: 12/31/2018
Date Data Arrived at EDR: 04/10/2019
Date Made Active in Reports: 05/16/2019
Number of Days to Update: 36

Source: Department of Environmental Protection
Telephone: N/A
Last EDR Contact: 10/03/2022
Next Scheduled EDR Contact: 01/16/2023
Data Release Frequency: Annually

NY MANIFEST: Facility and Manifest Data

Manifest is a document that lists and tracks hazardous waste from the generator through transporters to a TSD facility.

Date of Government Version: 01/01/2019
Date Data Arrived at EDR: 10/29/2021
Date Made Active in Reports: 01/19/2022
Number of Days to Update: 82

Source: Department of Environmental Conservation
Telephone: 518-402-8651
Last EDR Contact: 10/28/2022
Next Scheduled EDR Contact: 02/06/2023
Data Release Frequency: Quarterly

PA MANIFEST: Manifest Information

Hazardous waste manifest information.

Date of Government Version: 06/30/2018
Date Data Arrived at EDR: 07/19/2019
Date Made Active in Reports: 09/10/2019
Number of Days to Update: 53

Source: Department of Environmental Protection
Telephone: 717-783-8990
Last EDR Contact: 10/05/2022
Next Scheduled EDR Contact: 01/23/2023
Data Release Frequency: Annually

RI MANIFEST: Manifest information

Hazardous waste manifest information

Date of Government Version: 12/31/2020
Date Data Arrived at EDR: 11/30/2021
Date Made Active in Reports: 02/18/2022
Number of Days to Update: 80

Source: Department of Environmental Management
Telephone: 401-222-2797
Last EDR Contact: 12/07/2022
Next Scheduled EDR Contact: 02/27/2023
Data Release Frequency: Annually

WI MANIFEST: Manifest Information

Hazardous waste manifest information.

Date of Government Version: 05/31/2018
Date Data Arrived at EDR: 06/19/2019
Date Made Active in Reports: 09/03/2019
Number of Days to Update: 76

Source: Department of Natural Resources
Telephone: N/A
Last EDR Contact: 12/01/2022
Next Scheduled EDR Contact: 03/20/2023
Data Release Frequency: Annually

Oil/Gas Pipelines

Source: Endeavor Business Media

Petroleum Bundle (Crude Oil, Refined Products, Petrochemicals, Gas Liquids (LPG/NGL), and Specialty Gases (Miscellaneous)) N = Natural Gas Bundle (Natural Gas, Gas Liquids (LPG/NGL), and Specialty Gases (Miscellaneous)). This map includes information copyrighted by Endeavor Business Media. This information is provided on a best effort basis and Endeavor Business Media does not guarantee its accuracy nor warrant its fitness for any particular purpose. Such information has been reprinted with the permission of Endeavor Business Media.

Electric Power Transmission Line Data

Source: Endeavor Business Media

This map includes information copyrighted by Endeavor Business Media. This information is provided on a best effort basis and Endeavor Business Media does not guarantee its accuracy nor warrant its fitness for any particular purpose. Such information has been reprinted with the permission of Endeavor Business Media.

Sensitive Receptors: There are individuals deemed sensitive receptors due to their fragile immune systems and special sensitivity to environmental discharges. These sensitive receptors typically include the elderly, the sick, and children. While the location of all sensitive receptors cannot be determined, EDR indicates those buildings and facilities - schools, daycares, hospitals, medical centers, and nursing homes - where individuals who are sensitive receptors are likely to be located.

AHA Hospitals:

Source: American Hospital Association, Inc.
Telephone: 312-280-5991

The database includes a listing of hospitals based on the American Hospital Association's annual survey of hospitals.

Medical Centers: Provider of Services Listing

Source: Centers for Medicare & Medicaid Services
Telephone: 410-786-3000

A listing of hospitals with Medicare provider number, produced by Centers of Medicare & Medicaid Services, a federal agency within the U.S. Department of Health and Human Services.

Nursing Homes
Source: National Institutes of Health
Telephone: 301-594-6248
Information on Medicare and Medicaid certified nursing homes in the United States.
Public Schools
Source: National Center for Education Statistics
Telephone: 202-502-7300
The National Center for Education Statistics' primary database on elementary and secondary public education in the United States. It is a comprehensive, annual, national statistical database of all public elementary and secondary schools and school districts, which contains data that are comparable across all states.
Private Schools
Source: National Center for Education Statistics
Telephone: 202-502-7300
The National Center for Education Statistics' primary database on private school locations in the United States.
Daycare Centers: Licensed Facilities
Source: Department of Social Services
Telephone: 916-657-4041

Flood Zone Data: This data was obtained from the Federal Emergency Management Agency (FEMA). It depicts 100-year and 500-year flood zones as defined by FEMA. It includes the National Flood Hazard Layer (NFHL) which incorporates Flood Insurance Rate Map (FIRM) data and Q3 data from FEMA in areas not covered by NFHL.
Source: FEMA
Telephone: 877-336-2627
Date of Government Version: 2003, 2015

NWI: National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002, 2005, 2010 and 2015 from the U.S. Fish and Wildlife Service.

State Wetlands Data: Wetland Inventory
Source: Department of Fish and Wildlife
Telephone: 916-445-0411

Current USGS 7.5 Minute Topographic Map
Source: U.S. Geological Survey

STREET AND ADDRESS INFORMATION

GEOCHECK ®- PHYSICAL SETTING SOURCE ADDENDUM

TARGET PROPERTY ADDRESS

PROPOSED MAVERICK FUEL CENTER STATION
18806 IONA AVE
LEMOORE, CA 93245

TARGET PROPERTY COORDINATES

Latitude (North):	36.284343 - 36ˆ 17’ 3.63’’
Longitude (West):	119.797807 - 119ˆ 47’ 52.11’’
Universal Tranverse Mercator:	Zone 11
UTM X (Meters):	248712.4
UTM Y (Meters):	4018918.2
Elevation:	222 ft. above sea level

USGS TOPOGRAPHIC MAP

Target Property Map:	12012195 LEMOORE, CA
Version Date:	2018

EDR’s GeoCheck Physical Setting Source Addendum is provided to assist the environmental professional in forming an opinion about the impact of potential contaminant migration.

Assessment of the impact of contaminant migration generally has two principle investigative components:

1. Groundwater flow direction, and
2. Groundwater flow velocity.

Groundwater flow direction may be impacted by surface topography, hydrology, hydrogeology, characteristics of the soil, and nearby wells. Groundwater flow velocity is generally impacted by the nature of the geologic strata.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

GROUNDWATER FLOW DIRECTION INFORMATION

Groundwater flow direction for a particular site is best determined by a qualified environmental professional using site-specific well data. If such data is not reasonably ascertainable, it may be necessary to rely on other sources of information, such as surface topographic information, hydrologic information, hydrogeologic data collected on nearby properties, and regional groundwater flow information (from deep aquifers).

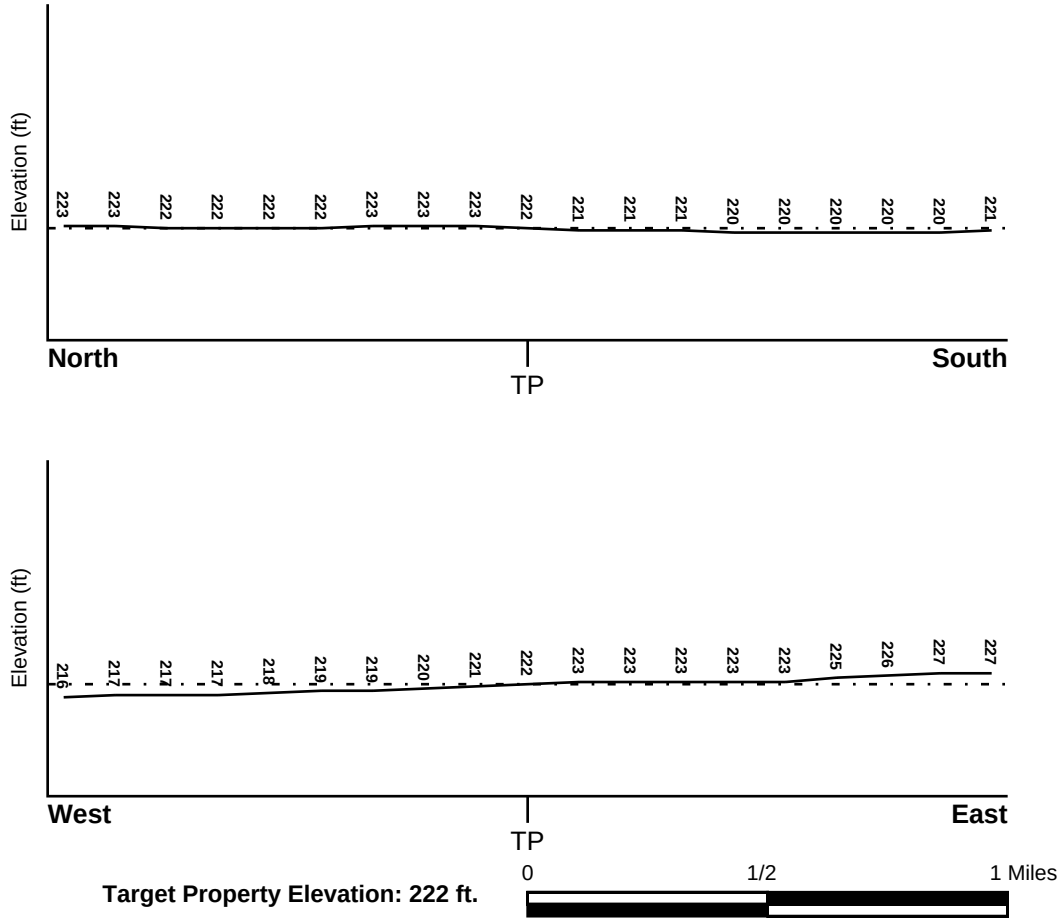
TOPOGRAPHIC INFORMATION

Surface topography may be indicative of the direction of surficial groundwater flow. This information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

TARGET PROPERTY TOPOGRAPHY

General Topographic Gradient: General WSW

SURROUNDING TOPOGRAPHY: ELEVATION PROFILES



Source: Topography has been determined from the USGS 7.5' Digital Elevation Model and should be evaluated on a relative (not an absolute) basis. Relative elevation information between sites of close proximity should be field verified.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

HYDROLOGIC INFORMATION

Surface water can act as a hydrologic barrier to groundwater flow. Such hydrologic information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

Refer to the Physical Setting Source Map following this summary for hydrologic information (major waterways and bodies of water).

FEMA FLOOD ZONE

Flood Plain Panel at Target Property	FEMA Source Type
06031C0170D	FEMA FIRM Flood data

Additional Panels in search area:	FEMA Source Type
06031C0165D	FEMA FIRM Flood data
06031C0167C	FEMA FIRM Flood data

NATIONAL WETLAND INVENTORY

NWI Quad at Target Property	NWI Electronic Data Coverage
LEMOORE	YES - refer to the Overview Map and Detail Map

HYDROGEOLOGIC INFORMATION

Hydrogeologic information obtained by installation of wells on a specific site can often be an indicator of groundwater flow direction in the immediate area. Such hydrogeologic information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

Site-Specific Hydrogeological Data*:

Search Radius:	1.25 miles
Status:	Not found

AQUIFLOW®

Search Radius: 1.000 Mile.

EDR has developed the AQUIFLOW Information System to provide data on the general direction of groundwater flow at specific points. EDR has reviewed reports submitted by environmental professionals to regulatory authorities at select sites and has extracted the date of the report, groundwater flow direction as determined hydrogeologically, and the depth to water table.

MAP ID	LOCATION FROM TP	GENERAL DIRECTION GROUNDWATER FLOW
Not Reported		

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

GROUNDWATER FLOW VELOCITY INFORMATION

Groundwater flow velocity information for a particular site is best determined by a qualified environmental professional using site specific geologic and soil strata data. If such data are not reasonably ascertainable, it may be necessary to rely on other sources of information, including geologic age identification, rock stratigraphic unit and soil characteristics data collected on nearby properties and regional soil information. In general, contaminant plumes move more quickly through sandy-gravelly types of soils than silty-clayey types of soils.

GEOLOGIC INFORMATION IN GENERAL AREA OF TARGET PROPERTY

Geologic information can be used by the environmental professional in forming an opinion about the relative speed at which contaminant migration may be occurring.

ROCK STRATIGRAPHIC UNIT

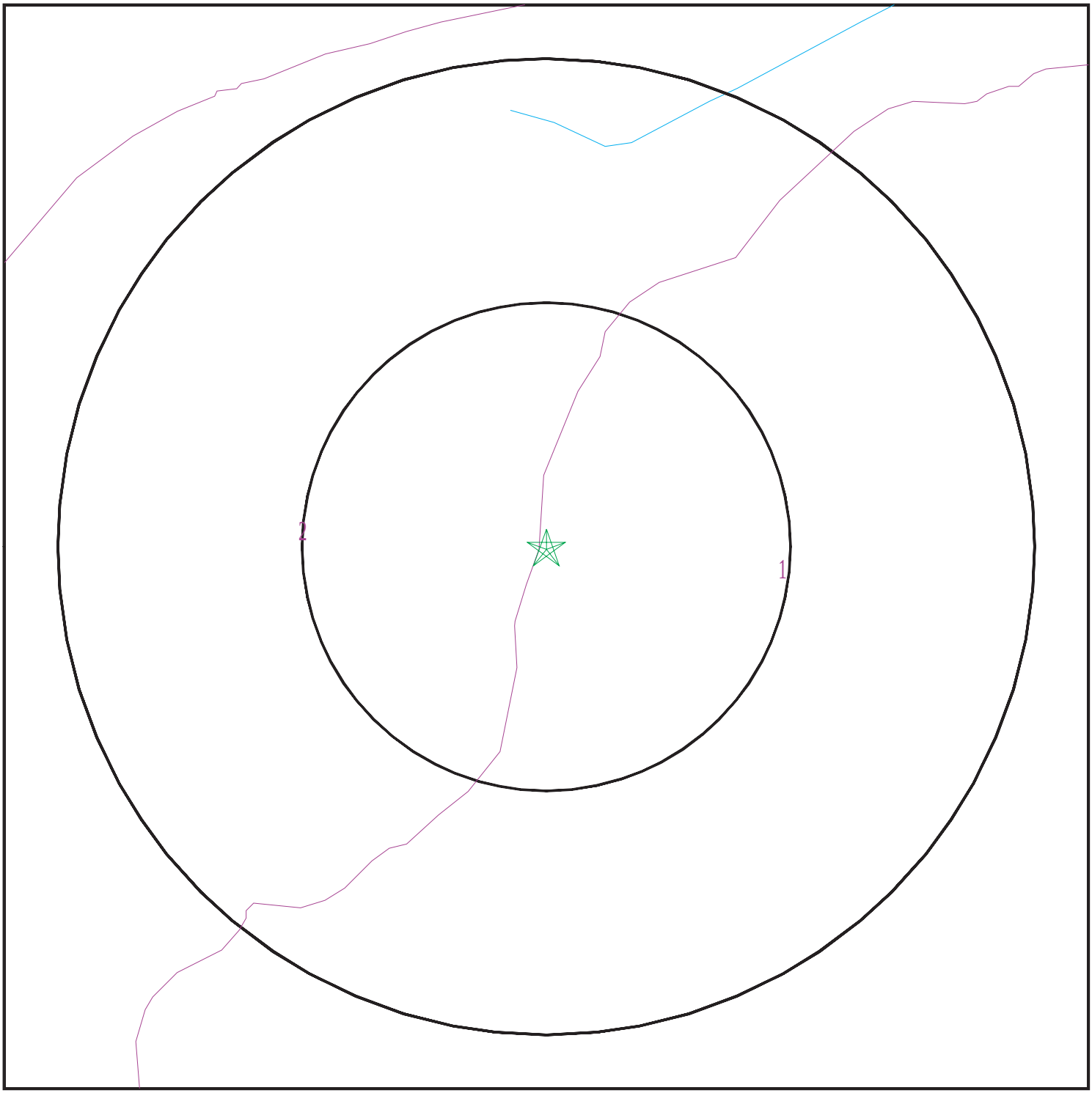
Era:	Cenozoic
System:	Quaternary
Series:	Quaternary
Code:	Q *(decoded above as Era, System & Series)*

GEOLOGIC AGE IDENTIFICATION

Category: Stratifed Sequence

Geologic Age and Rock Stratigraphic Unit Source: P.G. Schruben, R.E. Arndt and W.J. Bawiec, Geology of the Conterminous U.S. at 1:2,500,000 Scale - a digital representation of the 1974 P.B. King and H.M. Beikman Map, USGS Digital Data Series DDS - 11 (1994).

SSURGO SOIL MAP - 7208034.2s



Target Property
SSURGO Soil
Water

0 1/16 1/8 1/4 Miles

N

SITE NAME:	Proposed Maverick Fuel Center Station	CLIENT:	RMA Geoscience
ADDRESS:	18806 IONA AVE LEMOORE CA 93245	CONTACT:	Jim Vue
		INQUIRY #:	7208034.2s
LAT/LONG:	36.284343 / 119.797807	DATE:	December 19, 2022 5:32 pm

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

DOMINANT SOIL COMPOSITION IN GENERAL AREA OF TARGET PROPERTY

The U.S. Department of Agriculture's (USDA) Soil Conservation Service (SCS) leads the National Cooperative Soil Survey (NCSS) and is responsible for collecting, storing, maintaining and distributing soil survey information for privately owned lands in the United States. A soil map in a soil survey is a representation of soil patterns in a landscape. The following information is based on Soil Conservation Service SSURGO data.

Soil Map ID: 1

Soil Component Name: GRANGEVILLE

Soil Surface Texture:
Hydrologic Group: Class C - Slow infiltration rates. Soils with layers impeding downward movement of water, or soils with moderately fine or fine textures.

Soil Drainage Class: Somewhat poorly drained

Hydric Status: Partially hydric

Corrosion Potential - Uncoated Steel: High

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 107 inches

Soil Layer Information							
	Boundary			Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		
1	0 inches	5 inches		Not reported	Not reported	Max: 14 Min: 4	Max: 9 Min: 7.4
2	5 inches	20 inches		Not reported	Not reported	Max: 14 Min: 4	Max: 9 Min: 7.4
3	20 inches	62 inches		Not reported	Not reported	Max: 14 Min: 4	Max: 9 Min: 7.4

Soil Map ID: 2

Soil Component Name: LEMOORE

Soil Surface Texture:
Hydrologic Group: Class C - Slow infiltration rates. Soils with layers impeding downward movement of water, or soils with moderately fine or fine textures.

Soil Drainage Class: Somewhat poorly drained

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Hydric Status: Partially hydric

Corrosion Potential - Uncoated Steel: High

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 137 inches

Soil Layer Information							
	Boundary			Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		
1	0 inches	7 inches		Not reported	Not reported	Max: 14 Min: 4	Max: 9.6 Min: 8.4
2	7 inches	59 inches		Not reported	Not reported	Max: 14 Min: 4	Max: 9.6 Min: 8.4

LOCAL / REGIONAL WATER AGENCY RECORDS

EDR Local/Regional Water Agency records provide water well information to assist the environmental professional in assessing sources that may impact ground water flow direction, and in forming an opinion about the impact of contaminant migration on nearby drinking water wells.

WELL SEARCH DISTANCE INFORMATION

DATABASE	SEARCH DISTANCE (miles)
Federal USGS	1.000
Federal FRDS PWS	Nearest PWS within 1 mile
State Database	1.000

FEDERAL USGS WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
1	USGS40000171650	0 - 1/8 Mile SW
2	USGS40000171649	0 - 1/8 Mile ESE
4	USGS40000171704	1/8 - 1/4 Mile NNE
21	USGS40000171583	1/2 - 1 Mile SW
39	USGS40000171796	1/2 - 1 Mile NNE

FEDERAL FRDS PUBLIC WATER SUPPLY SYSTEM INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
No PWS System Found		

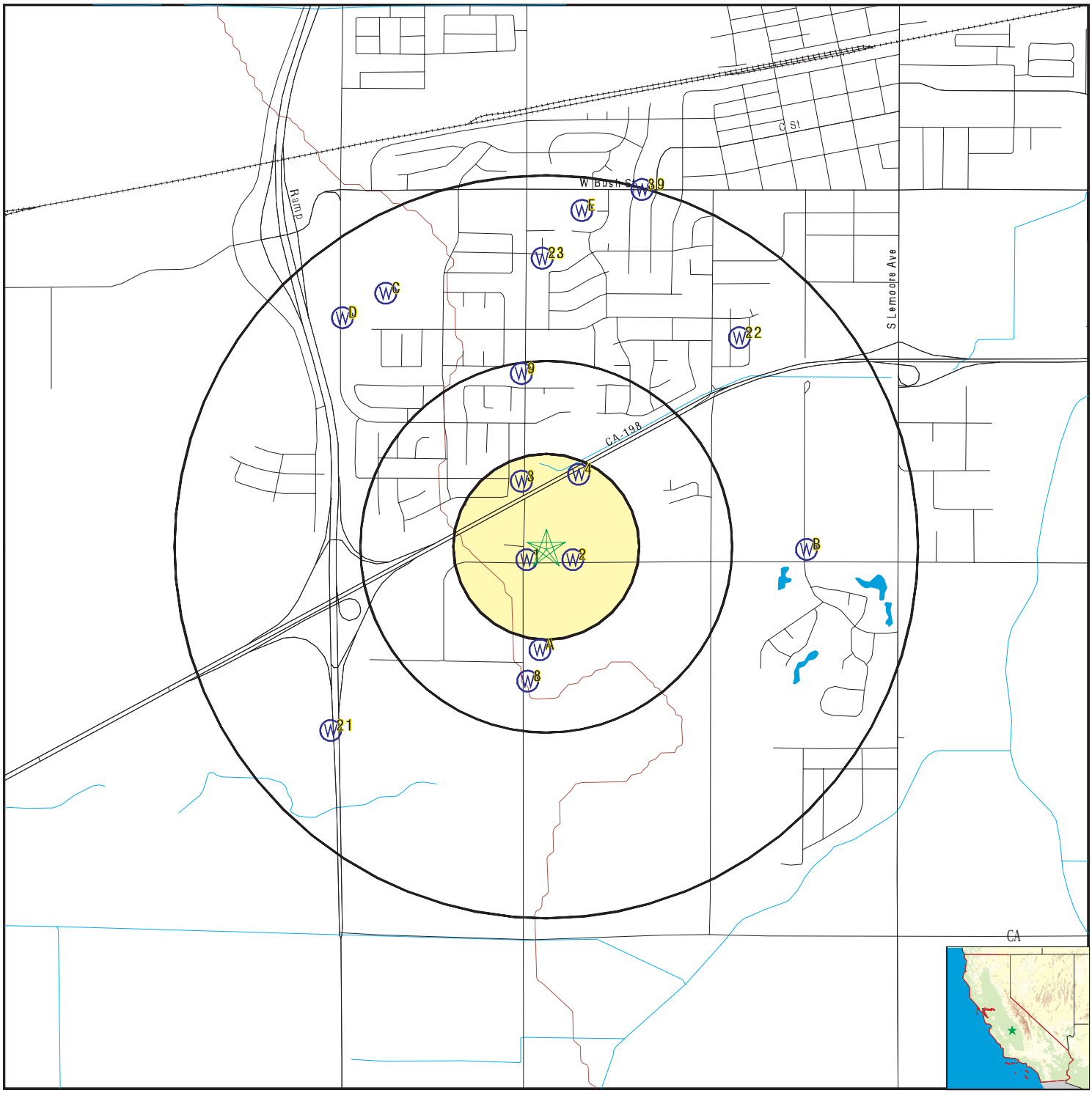
Note: PWS System location is not always the same as well location.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

STATE DATABASE WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
3	CADWR9000025011	1/8 - 1/4 Mile NNW
A5	14508	1/4 - 1/2 Mile South
A6	CADDW0000014262	1/4 - 1/2 Mile South
A7	14509	1/4 - 1/2 Mile South
8	CADDW0000018330	1/4 - 1/2 Mile South
9	CADWR9000025040	1/4 - 1/2 Mile North
B10	CAEDF0000020790	1/2 - 1 Mile East
B11	CAEDF0000083380	1/2 - 1 Mile East
B12	CAEDF0000122862	1/2 - 1 Mile East
B13	CAEDF0000099796	1/2 - 1 Mile East
B14	CAEDF0000014288	1/2 - 1 Mile East
B15	CAEDF0000020143	1/2 - 1 Mile East
B16	CAEDF0000117189	1/2 - 1 Mile East
B17	CAEDF0000118711	1/2 - 1 Mile East
B18	CAEDF0000138583	1/2 - 1 Mile East
B19	CAEDF0000135873	1/2 - 1 Mile East
B20	CAEDF0000101963	1/2 - 1 Mile East
22	CADPR0000002479	1/2 - 1 Mile NE
23	CADWR9000025066	1/2 - 1 Mile North
C24	CADWR9000025058	1/2 - 1 Mile NNW
D25	CAEDF0000128897	1/2 - 1 Mile NW
C26	CAEDF0000041126	1/2 - 1 Mile NW
C27	CADDW0000002463	1/2 - 1 Mile NNW
D28	CAEDF0000054214	1/2 - 1 Mile NW
D29	CAEDF0000012261	1/2 - 1 Mile NW
D30	CAEDF0000006423	1/2 - 1 Mile NW
D31	CAEDF0000126772	1/2 - 1 Mile NW
D32	CAEDF0000134323	1/2 - 1 Mile NW
D33	CAEDF0000120026	1/2 - 1 Mile NW
D34	CAEDF0000008235	1/2 - 1 Mile NW
D35	CAEDF0000099624	1/2 - 1 Mile NW
E36	14507	1/2 - 1 Mile North
E37	CADWR0000017920	1/2 - 1 Mile North
E38	CADWR9000025080	1/2 - 1 Mile North

PHYSICAL SETTING SOURCE MAP - 7208034.2s



- County Boundary
- Major Roads
- Contour Lines
- Earthquake Fault Lines
- Earthquake epicenter, Richter 5 or greater
- Water Wells
- Public Water Supply Wells
- Cluster of Multiple Icons
- Groundwater Flow Direction
- GI Indeterminate Groundwater Flow at Location
- GV Groundwater Flow Varies at Location
- HD Closest Hydrogeological Data
- Oil, gas or related wells

SITE NAME:	Proposed Maverick Fuel Center Station	CLIENT:	RMA Geoscience
ADDRESS:	18806 IONA AVE LEMOORE CA 93245	CONTACT:	Jim Vue
		INQUIRY #:	7208034.2s
LAT/LONG:	36.284343 / 119.797807	DATE:	December 19, 2022 5:32 pm

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

1
SW
0 - 1/8 Mile
Higher

FED USGS **USGS40000171650**

Organization ID:	USGS-CA		
Organization Name:	USGS California Water Science Center		
Monitor Location:	019S020E15D001M	Type:	Well
Description:	TULARE BASIN DRAIN PROJECT		
HUC:	18030012	Drainage Area:	Not Reported
Drainage Area Units:	Not Reported	Contrib Drainage Area:	Not Reported
Contrib Drainage Area Unts:	Not Reported	Aquifer:	Central Valley aquifer system
Formation Type:	Not Reported	Aquifer Type:	Not Reported
Construction Date:	Not Reported	Well Depth:	16
Well Depth Units:	ft	Well Hole Depth:	Not Reported
Well Hole Depth Units:	Not Reported		

Ground water levels,Number of Measurements:	1	Level reading date:	1989-05
Feet below surface:	9.8	Feet to sea level:	Not Reported
Note:	Not Reported		

2
ESE
0 - 1/8 Mile
Higher

FED USGS **USGS40000171649**

Organization ID:	USGS-CA		
Organization Name:	USGS California Water Science Center		
Monitor Location:	019S020E16A001M	Type:	Well
Description:	Not Reported	HUC:	18030012
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	Central Valley aquifer system		
Formation Type:	Not Reported	Aquifer Type:	Not Reported
Construction Date:	19490101	Well Depth:	393
Well Depth Units:	ft	Well Hole Depth:	Not Reported
Well Hole Depth Units:	Not Reported		

Ground water levels,Number of Measurements:	1	Level reading date:	1961-11-28
Feet below surface:	73.10	Feet to sea level:	Not Reported
Note:	Not Reported		

3
NNW
1/8 - 1/4 Mile
Higher

CA WELLS **CADWR9000025011**

State Well #:	19S20E09R001M	Station ID:	35641
Well Name:	Not Reported	Basin Name:	Tulare Lake
Well Use:	Unknown	Well Type:	Unknown
Well Depth:	0	Well Completion Rpt #:	Not Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

4
NNE
1/8 - 1/4 Mile
Higher

FED USGS **USGS40000171704**

Organization ID:	USGS-CA		
Organization Name:	USGS California Water Science Center		
Monitor Location:	019S020E09R001M	Type:	Well
Description:	Not Reported	HUC:	18030012
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	Central Valley aquifer system		
Formation Type:	Not Reported	Aquifer Type:	Not Reported
Construction Date:	19490101	Well Depth:	700
Well Depth Units:	ft	Well Hole Depth:	Not Reported
Well Hole Depth Units:	Not Reported		

A5
South
1/4 - 1/2 Mile
Lower

CA WELLS **14508**

Seq:	14508	Prim sta c:	19S/20E-15D01 M
Frds no:	1610005007	County:	16
District:	12	User id:	CYA
System no:	1610005	Water type:	G
Source nam:	WELL 08 - TREATED - STANDBY	Station ty:	WELL/AMBNT
Latitude:	361650.0	Longitude:	1194749.0
Precision:	3	Status:	ST
Comment 1:	Not Reported	Comment 2:	Not Reported
Comment 3:	Not Reported	Comment 4:	Not Reported
Comment 5:	Not Reported	Comment 6:	Not Reported
Comment 7:	Not Reported		

System no:	1610005	System nam:	Lemoore, City Of
Hqname:	Not Reported	Address:	406 B STREET
City:	LEMOORE	State:	CA
Zip:	93245	Zip ext:	Not Reported
Pop serv:	16371	Connection:	4428
Area serve:	LEMOORE-CITY		

Sample date:	15-APR-13	Finding:	520.
Chemical:	SPECIFIC CONDUCTANCE	Report units:	US
Dlr:	0.		

Sample date:	15-APR-13	Finding:	8.8
Chemical:	PH, LABORATORY	Report units:	Not Reported
Dlr:	0.		

Sample date:	15-APR-13	Finding:	270.
Chemical:	ALKALINITY (TOTAL) AS CACO3	Report units:	MG/L
Dlr:	0.		

Sample date:	15-APR-13	Finding:	290.
Chemical:	BICARBONATE ALKALINITY	Report units:	MG/L
Dlr:	0.		

Sample date:	15-APR-13	Finding:	23.

Chemical:	CARBONATE ALKALINITY	Report units:	MG/L
Dlr:	0.		
Sample date:	15-APR-13	Finding:	4.7
Chemical:	HARDNESS (TOTAL) AS CACO3	Report units:	MG/L
Dlr:	0.		
Sample date:	15-APR-13	Finding:	1.6
Chemical:	CALCIUM	Report units:	MG/L
Dlr:	0.		
Sample date:	15-APR-13	Finding:	0.19
Chemical:	MAGNESIUM	Report units:	MG/L
Dlr:	0.		
Sample date:	15-APR-13	Finding:	120.
Chemical:	SODIUM	Report units:	MG/L
Dlr:	0.		
Sample date:	15-APR-13	Finding:	8.1
Chemical:	CHLORIDE	Report units:	MG/L
Dlr:	0.		
Sample date:	15-APR-13	Finding:	1.4
Chemical:	FLUORIDE (F) (NATURAL-SOURCE)	Report units:	MG/L
Dlr:	0.1		
Sample date:	15-APR-13	Finding:	9.9
Chemical:	ARSENIC	Report units:	UG/L
Dlr:	2.		
Sample date:	15-APR-13	Finding:	890.
Chemical:	IRON	Report units:	UG/L
Dlr:	100.		
Sample date:	15-APR-13	Finding:	320.
Chemical:	TOTAL DISSOLVED SOLIDS	Report units:	MG/L
Dlr:	0.		
Sample date:	15-APR-13	Finding:	9.8
Chemical:	TURBIDITY, LABORATORY	Report units:	NTU
Dlr:	0.1		
Sample date:	15-APR-13	Finding:	12.
Chemical:	AGGRSSIVE INDEX (CORROSIVITY)	Report units:	Not Reported
Dlr:	0.		
Sample date:	15-APR-13	Finding:	70.
Chemical:	COLOR	Report units:	UNITS
Dlr:	0.		

A6
South
1/4 - 1/2 Mile
Lower

CA WELLS **CADDW0000014262**

Well ID:	1610005-007	Well Type:	MUNICIPAL
Source:	Department of Health Services		
Other Name:	WELL 08 - RAW_INAC (TOMATO PLNT)		
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=DHS&samp_date=&global_id=&assigned_name=1610005-007&store_num=		

GeoTracker Data: Not Reported

A7
South
1/4 - 1/2 Mile
Lower

CA WELLS **14509**

Seq:	14509	Prim sta c:	19S/20E-15E01 M
Frds no:	1610005008	County:	16
District:	12	User id:	CYA
System no:	1610005	Water type:	G
Source nam:	WELL 09 - TREATED - STANDBY	Station ty:	WELL/AMBNT
Latitude:	361648.0	Longitude:	1194749.0
Precision:	3	Status:	ST
Comment 1:	Not Reported	Comment 2:	Not Reported
Comment 3:	Not Reported	Comment 4:	Not Reported
Comment 5:	Not Reported	Comment 6:	Not Reported
Comment 7:	Not Reported		

System no:	1610005	System nam:	Lemoore, City Of
Hqname:	Not Reported	Address:	406 B STREET
City:	LEMOORE	State:	CA
Zip:	93245	Zip ext:	Not Reported
Pop serv:	16371	Connection:	4428
Area serve:	LEMOORE-CITY		

Sample date:	05-OCT-17	Finding:	4.2
Chemical:	ARSENIC	Report units:	UG/L
Dlr:	2.		

Sample date:	05-OCT-17	Finding:	8.7
Chemical:	PH, LABORATORY	Report units:	Not Reported
Dlr:	0.		

Sample date:	05-OCT-17	Finding:	100.
Chemical:	COLOR	Report units:	UNITS
Dlr:	0.		

Sample date:	06-SEP-17	Finding:	8.7
Chemical:	PH, LABORATORY	Report units:	Not Reported
Dlr:	0.		

Sample date:	06-SEP-17	Finding:	4.2
Chemical:	ARSENIC	Report units:	UG/L
Dlr:	2.		

Sample date:	06-SEP-17	Finding:	50.
Chemical:	COLOR	Report units:	UNITS
Dlr:	0.		

Sample date:	02-AUG-17	Finding:	75.
Chemical:	COLOR	Report units:	UNITS
Dlr:	0.		

Sample date:	02-AUG-17	Finding:	8.7
Chemical:	PH, LABORATORY	Report units:	Not Reported
Dlr:	0.		

Sample date:	02-AUG-17	Finding:	3.6
Chemical:	ARSENIC	Report units:	UG/L

Dlr:	2.		
Sample date:	21-JUL-17	Finding:	8.7
Chemical:	PH, LABORATORY	Report units:	Not Reported
Dlr:	0.		
Sample date:	21-JUL-17	Finding:	75.
Chemical:	COLOR	Report units:	UNITS
Dlr:	0.		
Sample date:	21-JUL-17	Finding:	2.2
Chemical:	ARSENIC	Report units:	UG/L
Dlr:	2.		
Sample date:	07-JUN-17	Finding:	8.7
Chemical:	PH, LABORATORY	Report units:	Not Reported
Dlr:	0.		
Sample date:	07-JUN-17	Finding:	100.
Chemical:	COLOR	Report units:	UNITS
Dlr:	0.		
Sample date:	07-JUN-17	Finding:	3.5
Chemical:	ARSENIC	Report units:	UG/L
Dlr:	2.		
Sample date:	17-MAY-17	Finding:	5.
Chemical:	ARSENIC	Report units:	UG/L
Dlr:	2.		
Sample date:	17-MAY-17	Finding:	8.7
Chemical:	PH, LABORATORY	Report units:	Not Reported
Dlr:	0.		
Sample date:	17-MAY-17	Finding:	75.
Chemical:	COLOR	Report units:	UNITS
Dlr:	0.		
Sample date:	18-APR-16	Finding:	50.
Chemical:	COLOR	Report units:	UNITS
Dlr:	0.		
Sample date:	18-APR-16	Finding:	570.
Chemical:	SPECIFIC CONDUCTANCE	Report units:	US
Dlr:	0.		
Sample date:	18-APR-16	Finding:	8.7
Chemical:	PH, LABORATORY	Report units:	Not Reported
Dlr:	0.		
Sample date:	18-APR-16	Finding:	280.
Chemical:	ALKALINITY (TOTAL) AS CACO3	Report units:	MG/L
Dlr:	0.		
Sample date:	18-APR-16	Finding:	310.
Chemical:	BICARBONATE ALKALINITY	Report units:	MG/L
Dlr:	0.		
Sample date:	18-APR-16	Finding:	19.
Chemical:	CARBONATE ALKALINITY	Report units:	MG/L
Dlr:	0.		

Sample date:	18-APR-16	Finding:	5.8
Chemical:	HARDNESS (TOTAL) AS CACO3	Report units:	MG/L
Dlr:	0.		
Sample date:	18-APR-16	Finding:	2.
Chemical:	CALCIUM	Report units:	MG/L
Dlr:	0.		
Sample date:	18-APR-16	Finding:	0.2
Chemical:	MAGNESIUM	Report units:	MG/L
Dlr:	0.		
Sample date:	18-APR-16	Finding:	140.
Chemical:	SODIUM	Report units:	MG/L
Dlr:	0.		
Sample date:	18-APR-16	Finding:	9.4
Chemical:	CHLORIDE	Report units:	MG/L
Dlr:	0.		
Sample date:	18-APR-16	Finding:	1.2
Chemical:	FLUORIDE (F) (NATURAL-SOURCE)	Report units:	MG/L
Dlr:	0.1		
Sample date:	18-APR-16	Finding:	3.9
Chemical:	ARSENIC	Report units:	UG/L
Dlr:	2.		
Sample date:	18-APR-16	Finding:	240.
Chemical:	IRON	Report units:	UG/L
Dlr:	100.		
Sample date:	18-APR-16	Finding:	5.8
Chemical:	LEAD	Report units:	UG/L
Dlr:	5.		
Sample date:	18-APR-16	Finding:	380.
Chemical:	TOTAL DISSOLVED SOLIDS	Report units:	MG/L
Dlr:	0.		
Sample date:	18-APR-16	Finding:	1.1
Chemical:	TURBIDITY, LABORATORY	Report units:	NTU
Dlr:	0.1		
Sample date:	18-APR-16	Finding:	12.
Chemical:	AGGRSSIVE INDEX (CORROSIVITY)	Report units:	Not Reported
Dlr:	0.		
Sample date:	17-FEB-16	Finding:	4.6
Chemical:	ARSENIC	Report units:	UG/L
Dlr:	2.		
Sample date:	05-AUG-15	Finding:	2.3
Chemical:	ARSENIC	Report units:	UG/L
Dlr:	2.		
Sample date:	09-APR-15	Finding:	560.
Chemical:	SPECIFIC CONDUCTANCE	Report units:	US
Dlr:	0.		
Sample date:	30-JAN-15	Finding:	1.53
Chemical:	GROSS ALPHA COUNTING ERROR	Report units:	PCI/L

Dlr:	0.		
Sample date:	30-JAN-15	Finding:	6.52
Chemical:	GROSS ALPHA	Report units:	PCI/L
Dlr:	3.		
Sample date:	30-JAN-15	Finding:	2.62
Chemical:	GROSS ALPHA MDA95	Report units:	PCI/L
Dlr:	0.		
Sample date:	30-JAN-15	Finding:	1.49
Chemical:	URANIUM COUNTING ERROR	Report units:	PCI/L
Dlr:	0.		
Sample date:	30-JAN-15	Finding:	0.7
Chemical:	URANIUM MDA95	Report units:	PCI/L
Dlr:	0.		
Sample date:	30-JAN-15	Finding:	7.8
Chemical:	URANIUM (PCI/L)	Report units:	PCI/L
Dlr:	1.		
Sample date:	13-AUG-14	Finding:	2.4
Chemical:	ARSENIC	Report units:	UG/L
Dlr:	2.		
Sample date:	15-JUL-14	Finding:	2.79
Chemical:	GROSS ALPHA COUNTING ERROR	Report units:	PCI/L
Dlr:	0.		
Sample date:	15-JUL-14	Finding:	2.66
Chemical:	GROSS ALPHA MDA95	Report units:	PCI/L
Dlr:	0.		
Sample date:	17-JUN-14	Finding:	3.43
Chemical:	GROSS ALPHA MDA95	Report units:	PCI/L
Dlr:	0.		
Sample date:	17-JUN-14	Finding:	4.58
Chemical:	GROSS ALPHA COUNTING ERROR	Report units:	PCI/L
Dlr:	0.		
Sample date:	15-APR-14	Finding:	580.
Chemical:	SPECIFIC CONDUCTANCE	Report units:	US
Dlr:	0.		
Sample date:	13-AUG-13	Finding:	3.6
Chemical:	ARSENIC	Report units:	UG/L
Dlr:	2.		
Sample date:	15-APR-13	Finding:	12.
Chemical:	AGGRSSIVE INDEX (CORROSIVITY)	Report units:	Not Reported
Dlr:	0.		
Sample date:	15-APR-13	Finding:	1.2
Chemical:	TURBIDITY, LABORATORY	Report units:	NTU
Dlr:	0.1		
Sample date:	15-APR-13	Finding:	2.e-002
Chemical:	LANGELIER INDEX @ 60 C	Report units:	Not Reported
Dlr:	0.		

Sample date:	15-APR-13	Finding:	390.
Chemical:	TOTAL DISSOLVED SOLIDS	Report units:	MG/L
Dlr:	0.		
Sample date:	15-APR-13	Finding:	81.
Chemical:	ALUMINUM	Report units:	UG/L
Dlr:	50.		
Sample date:	15-APR-13	Finding:	5.8
Chemical:	LEAD	Report units:	UG/L
Dlr:	5.		
Sample date:	15-APR-13	Finding:	260.
Chemical:	IRON	Report units:	UG/L
Dlr:	100.		
Sample date:	15-APR-13	Finding:	2.6
Chemical:	ARSENIC	Report units:	UG/L
Dlr:	2.		
Sample date:	15-APR-13	Finding:	1.
Chemical:	FLUORIDE (F) (NATURAL-SOURCE)	Report units:	MG/L
Dlr:	0.1		
Sample date:	15-APR-13	Finding:	9.2
Chemical:	CHLORIDE	Report units:	MG/L
Dlr:	0.		
Sample date:	15-APR-13	Finding:	140.
Chemical:	SODIUM	Report units:	MG/L
Dlr:	0.		
Sample date:	15-APR-13	Finding:	0.22
Chemical:	MAGNESIUM	Report units:	MG/L
Dlr:	0.		
Sample date:	15-APR-13	Finding:	1.9
Chemical:	CALCIUM	Report units:	MG/L
Dlr:	0.		
Sample date:	15-APR-13	Finding:	5.8
Chemical:	HARDNESS (TOTAL) AS CACO3	Report units:	MG/L
Dlr:	0.		
Sample date:	15-APR-13	Finding:	21.
Chemical:	CARBONATE ALKALINITY	Report units:	MG/L
Dlr:	0.		
Sample date:	15-APR-13	Finding:	340.
Chemical:	BICARBONATE ALKALINITY	Report units:	MG/L
Dlr:	0.		
Sample date:	15-APR-13	Finding:	310.
Chemical:	ALKALINITY (TOTAL) AS CACO3	Report units:	MG/L
Dlr:	0.		
Sample date:	15-APR-13	Finding:	8.8
Chemical:	PH, LABORATORY	Report units:	Not Reported
Dlr:	0.		
Sample date:	15-APR-13	Finding:	80.
Chemical:	COLOR	Report units:	UNITS

Dlr:	0.		
Sample date:	15-APR-13	Finding:	580.
Chemical:	SPECIFIC CONDUCTANCE	Report units:	US
Dlr:	0.		

8
South **CA WELLS** **CADDW0000018330**
1/4 - 1/2 Mile
Lower

Well ID:	1610005-008	Well Type:	MUNICIPAL
Source:	Department of Health Services		
Other Name:	WELL 09 - STBY2019	GAMA PFAS Testing:	Not Reported
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=DHS&samp_date=&global_id=&assigned_name=1610005-008&store_num=		
GeoTracker Data:	Not Reported		

9
North **CA WELLS** **CADWR9000025040**
1/4 - 1/2 Mile
Higher

State Well #:	19S20E09J001M	Station ID:	17224
Well Name:	Not Reported	Basin Name:	Tulare Lake
Well Use:	Unknown	Well Type:	Unknown
Well Depth:	0	Well Completion Rpt #:	Not Reported

B10
East **CA WELLS** **CAEDF0000020790**
1/2 - 1 Mile
Higher

Well ID:	T0603100002-MW23	Well Type:	MONITORING
Source:	EDF	Other Name:	MW23
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0603100002&assigned_name=MW23&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0603100002&assigned_name=MW23		

B11
East **CA WELLS** **CAEDF0000083380**
1/2 - 1 Mile
Higher

Well ID:	T0603100002-MW22	Well Type:	MONITORING
Source:	EDF	Other Name:	MW22
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0603100002&assigned_name=MW22&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0603100002&assigned_name=MW22		

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

B12
East
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000122862**

Well ID:	T0603100002-MW24	Well Type:	MONITORING
Source:	EDF	Other Name:	MW24
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0603100002&assigned_name=MW24&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0603100002&assigned_name=MW24		

B13
East
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000099796**

Well ID:	T0603100002-MW4	Well Type:	MONITORING
Source:	EDF	Other Name:	MW4
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0603100002&assigned_name=MW4&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0603100002&assigned_name=MW4		

B14
East
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000014288**

Well ID:	T0603100002-MW18	Well Type:	MONITORING
Source:	EDF	Other Name:	MW18
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0603100002&assigned_name=MW18&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0603100002&assigned_name=MW18		

B15
East
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000020143**

Well ID:	T0603100002-MW21	Well Type:	MONITORING
Source:	EDF	Other Name:	MW21
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0603100002&assigned_name=MW21&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0603100002&assigned_name=MW21		

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

B16
East
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000117189**

Well ID:	T0603100002-MW25	Well Type:	MONITORING
Source:	EDF	Other Name:	MW25
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0603100002&assigned_name=MW25&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0603100002&assigned_name=MW25		

B17
East
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000118711**

Well ID:	T0603100002-MW6	Well Type:	MONITORING
Source:	EDF	Other Name:	MW6
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0603100002&assigned_name=MW6&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0603100002&assigned_name=MW6		

B18
East
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000138583**

Well ID:	T0603100002-MW19	Well Type:	MONITORING
Source:	EDF	Other Name:	MW19
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0603100002&assigned_name=MW19&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0603100002&assigned_name=MW19		

B19
East
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000135873**

Well ID:	T0603100002-MW20	Well Type:	MONITORING
Source:	EDF	Other Name:	MW20
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0603100002&assigned_name=MW20&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0603100002&assigned_name=MW20		

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

B20
East
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000101963**

Well ID:	T0603100002-MW7	Well Type:	MONITORING
Source:	EDF	Other Name:	MW7
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0603100002&assigned_name=MW7&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0603100002&assigned_name=MW7		

21
SW
1/2 - 1 Mile
Lower

FED USGS **USGS40000171583**

Organization ID:	USGS-CA		
Organization Name:	USGS California Water Science Center		
Monitor Location:	019S020E16F001M	Type:	Well
Description:	Not Reported	HUC:	18030012
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	Central Valley aquifer system		
Formation Type:	Not Reported	Aquifer Type:	Not Reported
Construction Date:	Not Reported	Well Depth:	47
Well Depth Units:	ft	Well Hole Depth:	Not Reported
Well Hole Depth Units:	Not Reported		

Ground water levels,Number of Measurements:	1	Level reading date:	1961-12-12
Feet below surface:	10.90	Feet to sea level:	Not Reported
Note:	Not Reported		

22
NE
1/2 - 1 Mile
Higher

CA WELLS **CADPR0000002479**

Well ID:	88494	Well Type:	UNK
Source:	Department of Pesticide Regulation		
Other Name:	88494	GAMA PFAS Testing:	Not Reported
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=DPR&samp_date=&global_id=&assigned_name=88494&store_num=		
GeoTracker Data:	Not Reported		

23
North
1/2 - 1 Mile
Higher

CA WELLS **CADWR9000025066**

State Well #:	19S20E10D002M	Station ID:	17225
Well Name:	Not Reported	Basin Name:	Tulare Lake
Well Use:	Unknown	Well Type:	Unknown

Well Depth:	0	Well Completion Rpt #:	Not Reported

C24
NNW
1/2 - 1 Mile
Lower

CA WELLS **CADWR9000025058**

State Well #:	19S20E09G001M	Station ID:	55283
Well Name:	1610005-011	Basin Name:	Tulare Lake
Well Use:	Public Supply	Well Type:	Single Well
Well Depth:	1577	Well Completion Rpt #:	715095

D25
NW
1/2 - 1 Mile
Lower

CA WELLS **CAEDF0000128897**

Well ID:	T0603193726-MW6	Well Type:	MONITORING
Source:	EDF	Other Name:	MW6
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0603193726&assigned_name=MW6&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0603193726&assigned_name=MW6		

C26
NW
1/2 - 1 Mile
Lower

CA WELLS **CAEDF0000041126**

Well ID:	T0603193726-MW10	Well Type:	MONITORING
Source:	EDF	Other Name:	MW10
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0603193726&assigned_name=MW10&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0603193726&assigned_name=MW10		

C27
NNW
1/2 - 1 Mile
Lower

CA WELLS **CADDW0000002463**

Well ID:	1610005-011	Well Type:	MUNICIPAL
Source:	Department of Health Services		
Other Name:	WELL 12 - BEFORE CLR BLND	GAMA PFAS Testing:	Not Reported
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=DHS&samp_date=&global_id=&assigned_name=1610005-011&store_num=		
GeoTracker Data:	Not Reported		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

D28
NW
1/2 - 1 Mile
Lower

CA WELLS **CAEDF0000054214**

Well ID:	T0603193726-MW1	Well Type:	MONITORING
Source:	EDF	Other Name:	MW1
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0603193726&assigned_name=MW1&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0603193726&assigned_name=MW1		

D29
NW
1/2 - 1 Mile
Lower

CA WELLS **CAEDF0000012261**

Well ID:	T0603193726-MW4	Well Type:	MONITORING
Source:	EDF	Other Name:	MW4
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0603193726&assigned_name=MW4&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0603193726&assigned_name=MW4		

D30
NW
1/2 - 1 Mile
Lower

CA WELLS **CAEDF0000006423**

Well ID:	T0603193726-MW3	Well Type:	MONITORING
Source:	EDF	Other Name:	MW3
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0603193726&assigned_name=MW3&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0603193726&assigned_name=MW3		

D31
NW
1/2 - 1 Mile
Lower

CA WELLS **CAEDF0000126772**

Well ID:	T0603193726-MW9	Well Type:	MONITORING
Source:	EDF	Other Name:	MW9
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0603193726&assigned_name=MW9&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0603193726&assigned_name=MW9		

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

D32
NW
1/2 - 1 Mile
Lower

CA WELLS **CAEDF0000134323**

Well ID:	T0603193726-MW2	Well Type:	MONITORING
Source:	EDF	Other Name:	MW2
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0603193726&assigned_name=MW2&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0603193726&assigned_name=MW2		

D33
NW
1/2 - 1 Mile
Lower

CA WELLS **CAEDF0000120026**

Well ID:	T0603193726-MW8	Well Type:	MONITORING
Source:	EDF	Other Name:	MW8
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0603193726&assigned_name=MW8&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0603193726&assigned_name=MW8		

D34
NW
1/2 - 1 Mile
Lower

CA WELLS **CAEDF0000008235**

Well ID:	T0603193726-MW5	Well Type:	MONITORING
Source:	EDF	Other Name:	MW5
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0603193726&assigned_name=MW5&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0603193726&assigned_name=MW5		

D35
NW
1/2 - 1 Mile
Lower

CA WELLS **CAEDF0000099624**

Well ID:	T0603193726-MW7	Well Type:	MONITORING
Source:	EDF	Other Name:	MW7
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0603193726&assigned_name=MW7&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0603193726&assigned_name=MW7		

Map ID
Direction
Distance
Elevation

Database | EDR ID Number

E36
North
1/2 - 1 Mile
Higher

CA WELLS **14507**

Seq:	14507	Prim sta c:	19S/20E-03M01 M
Frds no:	1610005006	County:	16
District:	12	User id:	CYA
System no:	1610005	Water type:	G
Source nam:	WELL 10 - TREATED	Station ty:	WELL/AMBNT
Latitude:	361749.0	Longitude:	1194743.0
Precision:	3	Status:	AT
Comment 1:	Not Reported	Comment 2:	Not Reported
Comment 3:	Not Reported	Comment 4:	Not Reported
Comment 5:	Not Reported	Comment 6:	Not Reported
Comment 7:	Not Reported		

System no:	1610005	System nam:	Lemoore, City Of
Hqname:	Not Reported	Address:	406 B STREET
City:	LEMOORE	State:	CA
Zip:	93245	Zip ext:	Not Reported
Pop serv:	16371	Connection:	4428
Area serve:	LEMOORE-CITY		

Sample date:	06-MAR-18	Finding:	6.4
Chemical:	ARSENIC	Report units:	UG/L
Dlr:	2.		

Sample date:	06-MAR-18	Finding:	8.9
Chemical:	PH, LABORATORY	Report units:	Not Reported
Dlr:	0.		

Sample date:	06-MAR-18	Finding:	40.
Chemical:	COLOR	Report units:	UNITS
Dlr:	0.		

Sample date:	09-FEB-18	Finding:	8.8
Chemical:	PH, LABORATORY	Report units:	Not Reported
Dlr:	0.		

Sample date:	09-FEB-18	Finding:	7.3
Chemical:	ARSENIC	Report units:	UG/L
Dlr:	2.		

Sample date:	09-FEB-18	Finding:	40.
Chemical:	COLOR	Report units:	UNITS
Dlr:	0.		

Sample date:	03-JAN-18	Finding:	8.9
Chemical:	PH, LABORATORY	Report units:	Not Reported
Dlr:	0.		

Sample date:	03-JAN-18	Finding:	35.
Chemical:	COLOR	Report units:	UNITS
Dlr:	0.		

Sample date:	03-JAN-18	Finding:	7.6
Chemical:	ARSENIC	Report units:	UG/L
Dlr:	2.		

Sample date:	05-DEC-17	Finding:	50.
Chemical:	COLOR	Report units:	UNITS
Dlr:	0.		
Sample date:	05-DEC-17	Finding:	8.9
Chemical:	PH, LABORATORY	Report units:	Not Reported
Dlr:	0.		
Sample date:	05-DEC-17	Finding:	6.8
Chemical:	ARSENIC	Report units:	UG/L
Dlr:	2.		
Sample date:	07-NOV-17	Finding:	8.8
Chemical:	PH, LABORATORY	Report units:	Not Reported
Dlr:	0.		
Sample date:	07-NOV-17	Finding:	50.
Chemical:	COLOR	Report units:	UNITS
Dlr:	0.		
Sample date:	07-NOV-17	Finding:	7.
Chemical:	ARSENIC	Report units:	UG/L
Dlr:	2.		
Sample date:	05-OCT-17	Finding:	4.7
Chemical:	ARSENIC	Report units:	UG/L
Dlr:	2.		
Sample date:	05-OCT-17	Finding:	8.9
Chemical:	PH, LABORATORY	Report units:	Not Reported
Dlr:	0.		
Sample date:	05-OCT-17	Finding:	40.
Chemical:	COLOR	Report units:	UNITS
Dlr:	0.		
Sample date:	06-SEP-17	Finding:	40.
Chemical:	COLOR	Report units:	UNITS
Dlr:	0.		
Sample date:	06-SEP-17	Finding:	5.7
Chemical:	ARSENIC	Report units:	UG/L
Dlr:	2.		
Sample date:	06-SEP-17	Finding:	8.9
Chemical:	PH, LABORATORY	Report units:	Not Reported
Dlr:	0.		
Sample date:	02-AUG-17	Finding:	35.
Chemical:	COLOR	Report units:	UNITS
Dlr:	0.		
Sample date:	02-AUG-17	Finding:	8.9
Chemical:	PH, LABORATORY	Report units:	Not Reported
Dlr:	0.		
Sample date:	02-AUG-17	Finding:	4.6
Chemical:	ARSENIC	Report units:	UG/L
Dlr:	2.		
Sample date:	21-JUL-17	Finding:	3.1
Chemical:	ARSENIC	Report units:	UG/L

Dlr:	2.		
Sample date:	21-JUL-17	Finding:	45.
Chemical:	COLOR	Report units:	UNITS
Dlr:	0.		
Sample date:	21-JUL-17	Finding:	8.9
Chemical:	PH, LABORATORY	Report units:	Not Reported
Dlr:	0.		
Sample date:	07-JUN-17	Finding:	4.5
Chemical:	ARSENIC	Report units:	UG/L
Dlr:	2.		
Sample date:	07-JUN-17	Finding:	8.9
Chemical:	PH, LABORATORY	Report units:	Not Reported
Dlr:	0.		
Sample date:	07-JUN-17	Finding:	35.
Chemical:	COLOR	Report units:	UNITS
Dlr:	0.		
Sample date:	17-MAY-17	Finding:	8.9
Chemical:	PH, LABORATORY	Report units:	Not Reported
Dlr:	0.		
Sample date:	17-MAY-17	Finding:	5.9
Chemical:	ARSENIC	Report units:	UG/L
Dlr:	2.		
Sample date:	17-MAY-17	Finding:	30.
Chemical:	COLOR	Report units:	UNITS
Dlr:	0.		
Sample date:	08-FEB-17	Finding:	8.1
Chemical:	ARSENIC	Report units:	UG/L
Dlr:	2.		
Sample date:	09-AUG-16	Finding:	5.5
Chemical:	ARSENIC	Report units:	UG/L
Dlr:	2.		
Sample date:	25-JUL-16	Finding:	0.36
Chemical:	BROMIDE	Report units:	MG/L
Dlr:	0.		
Sample date:	25-JUL-16	Finding:	0.34
Chemical:	AMMONIA (NH3-N)	Report units:	MG/L
Dlr:	0.		
Sample date:	25-JUL-16	Finding:	8.9
Chemical:	PH, LABORATORY	Report units:	Not Reported
Dlr:	0.		
Sample date:	25-JUL-16	Finding:	50.
Chemical:	COLOR	Report units:	UNITS
Dlr:	0.		
Sample date:	04-MAY-16	Finding:	5.6
Chemical:	ARSENIC	Report units:	UG/L
Dlr:	2.		

Sample date:	03-MAY-16	Finding:	35.
Chemical:	COLOR	Report units:	UNITS
Dlr:	0.		
Sample date:	03-MAY-16	Finding:	630.
Chemical:	SPECIFIC CONDUCTANCE	Report units:	US
Dlr:	0.		
Sample date:	03-MAY-16	Finding:	9.
Chemical:	PH, LABORATORY	Report units:	Not Reported
Dlr:	0.		
Sample date:	03-MAY-16	Finding:	210.
Chemical:	ALKALINITY (TOTAL) AS CACO3	Report units:	MG/L
Dlr:	0.		
Sample date:	03-MAY-16	Finding:	220.
Chemical:	BICARBONATE ALKALINITY	Report units:	MG/L
Dlr:	0.		
Sample date:	03-MAY-16	Finding:	21.
Chemical:	CARBONATE ALKALINITY	Report units:	MG/L
Dlr:	0.		
Sample date:	03-MAY-16	Finding:	4.7
Chemical:	HARDNESS (TOTAL) AS CACO3	Report units:	MG/L
Dlr:	0.		
Sample date:	03-MAY-16	Finding:	1.6
Chemical:	CALCIUM	Report units:	MG/L
Dlr:	0.		
Sample date:	03-MAY-16	Finding:	0.17
Chemical:	MAGNESIUM	Report units:	MG/L
Dlr:	0.		
Sample date:	03-MAY-16	Finding:	150.
Chemical:	SODIUM	Report units:	MG/L
Dlr:	0.		
Sample date:	03-MAY-16	Finding:	74.
Chemical:	CHLORIDE	Report units:	MG/L
Dlr:	0.		
Sample date:	03-MAY-16	Finding:	1.3
Chemical:	FLUORIDE (F) (NATURAL-SOURCE)	Report units:	MG/L
Dlr:	0.1		
Sample date:	03-MAY-16	Finding:	5.7
Chemical:	ARSENIC	Report units:	UG/L
Dlr:	2.		
Sample date:	03-MAY-16	Finding:	170.
Chemical:	IRON	Report units:	UG/L
Dlr:	100.		
Sample date:	03-MAY-16	Finding:	830.
Chemical:	ALUMINUM	Report units:	UG/L
Dlr:	50.		
Sample date:	03-MAY-16	Finding:	360.
Chemical:	TOTAL DISSOLVED SOLIDS	Report units:	MG/L

Dlr:	0.		
Sample date:	03-MAY-16	Finding:	5.6
Chemical:	TURBIDITY, LABORATORY	Report units:	NTU
Dlr:	0.1		
Sample date:	03-MAY-16	Finding:	12.
Chemical:	AGGRSSIVE INDEX (CORROSIVITY)	Report units:	Not Reported
Dlr:	0.		
Sample date:	17-FEB-16	Finding:	7.7
Chemical:	ARSENIC	Report units:	UG/L
Dlr:	2.		
Sample date:	04-NOV-15	Finding:	4.6
Chemical:	ARSENIC	Report units:	UG/L
Dlr:	2.		
Sample date:	05-AUG-15	Finding:	3.3
Chemical:	ARSENIC	Report units:	UG/L
Dlr:	2.		
Sample date:	14-MAY-15	Finding:	5.6
Chemical:	ARSENIC	Report units:	UG/L
Dlr:	2.		
Sample date:	09-APR-15	Finding:	630.
Chemical:	SPECIFIC CONDUCTANCE	Report units:	US
Dlr:	0.		
Sample date:	09-FEB-15	Finding:	5.4
Chemical:	ARSENIC	Report units:	UG/L
Dlr:	2.		
Sample date:	10-NOV-14	Finding:	8.8
Chemical:	ARSENIC	Report units:	UG/L
Dlr:	2.		
Sample date:	24-SEP-14	Finding:	660.
Chemical:	SPECIFIC CONDUCTANCE	Report units:	US
Dlr:	0.		
Sample date:	13-AUG-14	Finding:	4.9
Chemical:	ARSENIC	Report units:	UG/L
Dlr:	2.		
Sample date:	17-JUN-14	Finding:	2.24
Chemical:	GROSS ALPHA COUNTING ERROR	Report units:	PCI/L
Dlr:	0.		
Sample date:	17-JUN-14	Finding:	4.52
Chemical:	GROSS ALPHA	Report units:	PCI/L
Dlr:	3.		
Sample date:	17-JUN-14	Finding:	0.87
Chemical:	GROSS ALPHA MDA95	Report units:	PCI/L
Dlr:	0.		
Sample date:	19-MAY-14	Finding:	640.
Chemical:	SPECIFIC CONDUCTANCE	Report units:	US
Dlr:	0.		

Sample date:	14-MAY-14	Finding:	6.1
Chemical:	ARSENIC	Report units:	UG/L
Dlr:	2.		
Sample date:	14-NOV-13	Finding:	5.
Chemical:	ARSENIC	Report units:	UG/L
Dlr:	2.		
Sample date:	13-AUG-13	Finding:	5.1
Chemical:	ARSENIC	Report units:	UG/L
Dlr:	2.		
Sample date:	14-MAY-13	Finding:	2.
Chemical:	TURBIDITY, LABORATORY	Report units:	NTU
Dlr:	0.1		
Sample date:	14-MAY-13	Finding:	12.
Chemical:	AGGRSSIVE INDEX (CORROSIVITY)	Report units:	Not Reported
Dlr:	0.		
Sample date:	14-MAY-13	Finding:	9.e-003
Chemical:	LANGELIER INDEX @ 60 C	Report units:	Not Reported
Dlr:	0.		
Sample date:	14-MAY-13	Finding:	5.4
Chemical:	ARSENIC	Report units:	UG/L
Dlr:	2.		
Sample date:	14-MAY-13	Finding:	1.4
Chemical:	FLUORIDE (F) (NATURAL-SOURCE)	Report units:	MG/L
Dlr:	0.1		
Sample date:	14-MAY-13	Finding:	60.
Chemical:	CHLORIDE	Report units:	MG/L
Dlr:	0.		
Sample date:	14-MAY-13	Finding:	150.
Chemical:	SODIUM	Report units:	MG/L
Dlr:	0.		
Sample date:	14-MAY-13	Finding:	0.16
Chemical:	MAGNESIUM	Report units:	MG/L
Dlr:	0.		
Sample date:	14-MAY-13	Finding:	1.5
Chemical:	CALCIUM	Report units:	MG/L
Dlr:	0.		
Sample date:	14-MAY-13	Finding:	4.4
Chemical:	HARDNESS (TOTAL) AS CACO3	Report units:	MG/L
Dlr:	0.		
Sample date:	14-MAY-13	Finding:	25.
Chemical:	CARBONATE ALKALINITY	Report units:	MG/L
Dlr:	0.		
Sample date:	14-MAY-13	Finding:	250.
Chemical:	BICARBONATE ALKALINITY	Report units:	MG/L
Dlr:	0.		
Sample date:	14-MAY-13	Finding:	240.
Chemical:	ALKALINITY (TOTAL) AS CACO3	Report units:	MG/L

Dlr:	0.		
Sample date:	14-MAY-13	Finding:	9.
Chemical:	PH, LABORATORY	Report units:	Not Reported
Dlr:	0.		
Sample date:	14-MAY-13	Finding:	640.
Chemical:	SPECIFIC CONDUCTANCE	Report units:	US
Dlr:	0.		
Sample date:	14-MAY-13	Finding:	10.
Chemical:	ODOR THRESHOLD @ 60 C	Report units:	TON
Dlr:	1.		
Sample date:	14-MAY-13	Finding:	45.
Chemical:	COLOR	Report units:	UNITS
Dlr:	0.		
Sample date:	14-MAY-13	Finding:	370.
Chemical:	TOTAL DISSOLVED SOLIDS	Report units:	MG/L
Dlr:	0.		
Sample date:	13-NOV-12	Finding:	4.6
Chemical:	ARSENIC	Report units:	UG/L
Dlr:	2.		
Sample date:	13-AUG-12	Finding:	5.9
Chemical:	ARSENIC	Report units:	UG/L
Dlr:	2.		
Sample date:	11-MAY-12	Finding:	3.3
Chemical:	ARSENIC	Report units:	UG/L
Dlr:	2.		

E37
North
1/2 - 1 Mile
Higher

CA WELLS **CADWR0000017920**

Well ID:	19S20E10D001M	Well Type:	UNK
Source:	Department of Water Resources		
Other Name:	19S20E10D001M	GAMA PFAS Testing:	Not Reported
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=DWR&samp_date=&global_id=&assigned_name=19S20E10D001M&store_num=		
GeoTracker Data:	Not Reported		

E38
North
1/2 - 1 Mile
Higher

CA WELLS **CADWR9000025080**

State Well #:	19S20E10D001M	Station ID:	35750
Well Name:	19S20E10D001M	Basin Name:	Tulare Lake
Well Use:	Unknown	Well Type:	Single Well
Well Depth:	0	Well Completion Rpt #:	Not Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

39
NNE
1/2 - 1 Mile
Higher | **FED USGS** | **USGS40000171796**

Organization ID:	USGS-CA		
Organization Name:	USGS California Water Science Center		
Monitor Location:	019S020E10D001M	Type:	Well
Description:	Not Reported	HUC:	18030012
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	Central Valley aquifer system		
Formation Type:	Not Reported	Aquifer Type:	Not Reported
Construction Date:	19510101	Well Depth:	47
Well Depth Units:	ft	Well Hole Depth:	Not Reported
Well Hole Depth Units:	Not Reported		

Ground water levels,Number of Measurements:	1	Level reading date:	1961-02-12
Feet below surface:	13.50	Feet to sea level:	Not Reported
Note:	Not Reported		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS
RADON

AREA RADON INFORMATION

State Database: CA Radon

Radon Test Results

Zipcode	Num Tests	> 4 pCi/L
93245	8	1

Federal EPA Radon Zone for KINGS County: 3

Note: Zone 1 indoor average level > 4 pCi/L.
: Zone 2 indoor average level >= 2 pCi/L and <= 4 pCi/L.
: Zone 3 indoor average level < 2 pCi/L.

Federal Area Radon Information for Zip Code: 93245

Number of sites tested: 4

Area	Average Activity	% <4 pCi/L	% 4-20 pCi/L	% >20 pCi/L
Living Area - 1st Floor	0.775 pCi/L	100%	0%	0%
Living Area - 2nd Floor	Not Reported	Not Reported	Not Reported	Not Reported
Basement	Not Reported	Not Reported	Not Reported	Not Reported

PHYSICAL SETTING SOURCE RECORDS SEARCHED

TOPOGRAPHIC INFORMATION

USGS 7.5' Digital Elevation Model (DEM)
Source: United States Geologic Survey
EDR acquired the USGS 7.5' Digital Elevation Model in 2002 and updated it in 2006. The 7.5 minute DEM corresponds to the USGS 1:24,000- and 1:25,000-scale topographic quadrangle maps. The DEM provides elevation data with consistent elevation units and projection.

Current USGS 7.5 Minute Topographic Map
Source: U.S. Geological Survey

HYDROLOGIC INFORMATION

Flood Zone Data: This data was obtained from the Federal Emergency Management Agency (FEMA). It depicts 100-year and 500-year flood zones as defined by FEMA. It includes the National Flood Hazard Layer (NFHL) which incorporates Flood Insurance Rate Map (FIRM) data and Q3 data from FEMA in areas not covered by NFHL.
Source: FEMA
Telephone: 877-336-2627
Date of Government Version: 2003, 2015

NWI: National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002, 2005, 2010 and 2015 from the U.S. Fish and Wildlife Service.

State Wetlands Data: Wetland Inventory
Source: Department of Fish and Wildlife
Telephone: 916-445-0411

HYDROGEOLOGIC INFORMATION

AQUIFLOW^{R} Information System
Source: EDR proprietary database of groundwater flow information
EDR has developed the AQUIFLOW Information System (AIS) to provide data on the general direction of groundwater flow at specific points. EDR has reviewed reports submitted to regulatory authorities at select sites and has extracted the date of the report, hydrogeologically determined groundwater flow direction and depth to water table information.

GEOLOGIC INFORMATION

Geologic Age and Rock Stratigraphic Unit
Source: P.G. Schruben, R.E. Arndt and W.J. Bawiec, Geology of the Conterminous U.S. at 1:2,500,000 Scale - A digital representation of the 1974 P.B. King and H.M. Beikman Map, USGS Digital Data Series DDS - 11 (1994).

STATSGO: State Soil Geographic Database
Source: Department of Agriculture, Natural Resources Conservation Service (NRCS)
The U.S. Department of Agriculture's (USDA) Natural Resources Conservation Service (NRCS) leads the national Conservation Soil Survey (NCSS) and is responsible for collecting, storing, maintaining and distributing soil survey information for privately owned lands in the United States. A soil map in a soil survey is a representation of soil patterns in a landscape. Soil maps for STATSGO are compiled by generalizing more detailed (SSURGO) soil survey maps.

SSURGO: Soil Survey Geographic Database
Source: Department of Agriculture, Natural Resources Conservation Service (NRCS)
Telephone: 800-672-5559
SSURGO is the most detailed level of mapping done by the Natural Resources Conservation Service, mapping scales generally range from 1:12,000 to 1:63,360. Field mapping methods using national standards are used to construct the soil maps in the Soil Survey Geographic (SSURGO) database. SSURGO digitizing duplicates the original soil survey maps. This level of mapping is designed for use by landowners, townships and county natural resource planning and management.

PHYSICAL SETTING SOURCE RECORDS SEARCHED

LOCAL / REGIONAL WATER AGENCY RECORDS

FEDERAL WATER WELLS

PWS: Public Water Systems
Source: EPA/Office of Drinking Water
Telephone: 202-564-3750
Public Water System data from the Federal Reporting Data System. A PWS is any water system which provides water to at least 25 people for at least 60 days annually. PWSs provide water from wells, rivers and other sources.

PWS ENF: Public Water Systems Violation and Enforcement Data
Source: EPA/Office of Drinking Water
Telephone: 202-564-3750
Violation and Enforcement data for Public Water Systems from the Safe Drinking Water Information System (SDWIS) after August 1995. Prior to August 1995, the data came from the Federal Reporting Data System (FRDS).

USGS Water Wells: USGS National Water Inventory System (NWIS)
This database contains descriptive information on sites where the USGS collects or has collected data on surface water and/or groundwater. The groundwater data includes information on wells, springs, and other sources of groundwater.

OTHER STATE DATABASE INFORMATION

Groundwater Ambient Monitoring & Assessment Program
State Water Resources Control Board
Telephone: 916-341-5577
The GAMA Program is Californias comprehensive groundwater quality monitoring program. GAMA collects data by testing the untreated, raw water in different types of wells for naturally-occurring and man-made chemicals. The GAMA data includes Domestic, Monitoring and Municipal well types from the following sources, Department of Water Resources, Department of Heath Services, EDF, Agricultural Lands, Lawrence Livermore National Laboratory, Department of Pesticide Regulation, United States Geological Survey, Groundwater Ambient Monitoring and Assessment Program and Local Groundwater Projects.

Water Well Database
Source: Department of Water Resources
Telephone: 916-651-9648

California Drinking Water Quality Database
Source: Department of Public Health
Telephone: 916-324-2319
The database includes all drinking water compliance and special studies monitoring for the state of California since 1984. It consists of over 3,200,000 individual analyses along with well and water system information.

California Oil and Gas Well Locations
Source: Dept of Conservation, Geologic Energy Management Division
Telephone: 916-323-1779
Oil and Gas well locations in the state.

California Earthquake Fault Lines
Source: California Division of Mines and Geology
The fault lines displayed on EDR's Topographic map are digitized quaternary fault lines prepared in 1975 by the United State Geological Survey. Additional information (also from 1975) regarding activity at specific fault lines comes from California's Preliminary Fault Activity Map prepared by the California Division of Mines and Geology.

RADON

State Database: CA Radon
Source: Department of Public Health
Telephone: 916-210-8558
Radon Database for California

PHYSICAL SETTING SOURCE RECORDS SEARCHED

Area Radon Information
Source: USGS
Telephone: 703-356-4020
The National Radon Database has been developed by the U.S. Environmental Protection Agency (USEPA) and is a compilation of the EPA/State Residential Radon Survey and the National Residential Radon Survey. The study covers the years 1986 - 1992. Where necessary data has been supplemented by information collected at private sources such as universities and research institutions.

EPA Radon Zones
Source: EPA
Telephone: 703-356-4020
Sections 307 & 309 of IRAA directed EPA to list and identify areas of U.S. with the potential for elevated indoor radon levels.

OTHER

Airport Landing Facilities: Private and public use landing facilities
Source: Federal Aviation Administration, 800-457-6656

Epicenters: World earthquake epicenters, Richter 5 or greater
Source: Department of Commerce, National Oceanic and Atmospheric Administration

California Earthquake Fault Lines: The fault lines displayed on EDR's Topographic map are digitized quaternary fault lines, prepared in 1975 by the United State Geological Survey. Additional information (also from 1975) regarding activity at specific fault lines comes from California's Preliminary Fault Activity Map prepared by the California Division of Mines and Geology.

STREET AND ADDRESS INFORMATION

AERIAL PHOTOGRAPHS

Proposed Maverick Fuel Center Station

18806 IONA AVE

LEMOORE, CA 93245

Inquiry Number: 7208034.8

December 21, 2022

The EDR Aerial Photo Decade Package

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

EDR Aerial Photo Decade Package

12/21/22

Site Name:

Proposed Maverick Fuel Cente
18806 IONA AVE
LEMOORE, CA 93245
EDR Inquiry # 7208034.8

Client Name:

RMA Geoscience
9854 Glenoaks Blvd
Sun Valley, CA 91352
Contact: Jim Vue

Environmental Data Resources, Inc. (EDR) Aerial Photo Decade Package is a screening tool designed to assist environmental professionals in evaluating potential liability on a target property resulting from past activities. EDR's professional researchers provide digitally reproduced historical aerial photographs, and when available, provide one photo per decade.

Search Results:

Year	*Scale*	*Details*	*Source*
2020	1"=500'	Flight Year: 2020	USDA/NAIP
2016	1"=500'	Flight Year: 2016	USDA/NAIP
2012	1"=500'	Flight Year: 2012	USDA/NAIP
2009	1"=500'	Flight Year: 2009	USDA/NAIP
2006	1"=500'	Flight Year: 2006	USDA/NAIP
1994	1"=500'	Acquisition Date: May 02, 1994	USGS/DOQQ
1984	1"=500'	Flight Date: June 09, 1984	USDA
1976	1"=500'	Flight Date: July 01, 1976	USGS
1972	1"=500'	Flight Date: September 11, 1972	USGS
1966	1"=500'	Flight Date: January 01, 1966	USGS
1950	1"=500'	Flight Date: April 15, 1950	USDA
1942	1"=500'	Flight Date: May 19, 1942	USDA
1940	1"=500'	Flight Date: May 21, 1940	USDA
1937	1"=500'	Flight Date: September 04, 1937	USDA
1934	1"=500'	Flight Date: January 01, 1934	USGS

When delivered electronically by EDR, the aerial photo images included with this report are for ONE TIME USE ONLY. Further reproduction of these aerial photo images is prohibited without permission from EDR. For more information contact your EDR Account Executive.


INQUIRY #: 7208034.8
YEAR: 2020
= 500'
N
EDR

INQUIRY #: 7208034.8

YEAR: 2016

= 500'

N

EDR


INQUIRY #: 7208034.8
YEAR: 2012
= 500'
N
EDR


INQUIRY #: 7208034.8
YEAR: 2009
= 500'
N
EDR


INQUIRY #: 7208034.8
YEAR: 2006
= 500'
N
EDR

INQUIRY #: 7208034.8

YEAR: 1994

= 500'

N

EDR


INQUIRY #: 7208034.8
YEAR: 1984
= 500'
N
EDR

INQUIRY #: 7208034.8

YEAR: 1976

= 500'

N

EDR

INQUIRY #: 7208034.8

YEAR: 1972

= 500'

N

EDR

INQUIRY #: 7208034.8

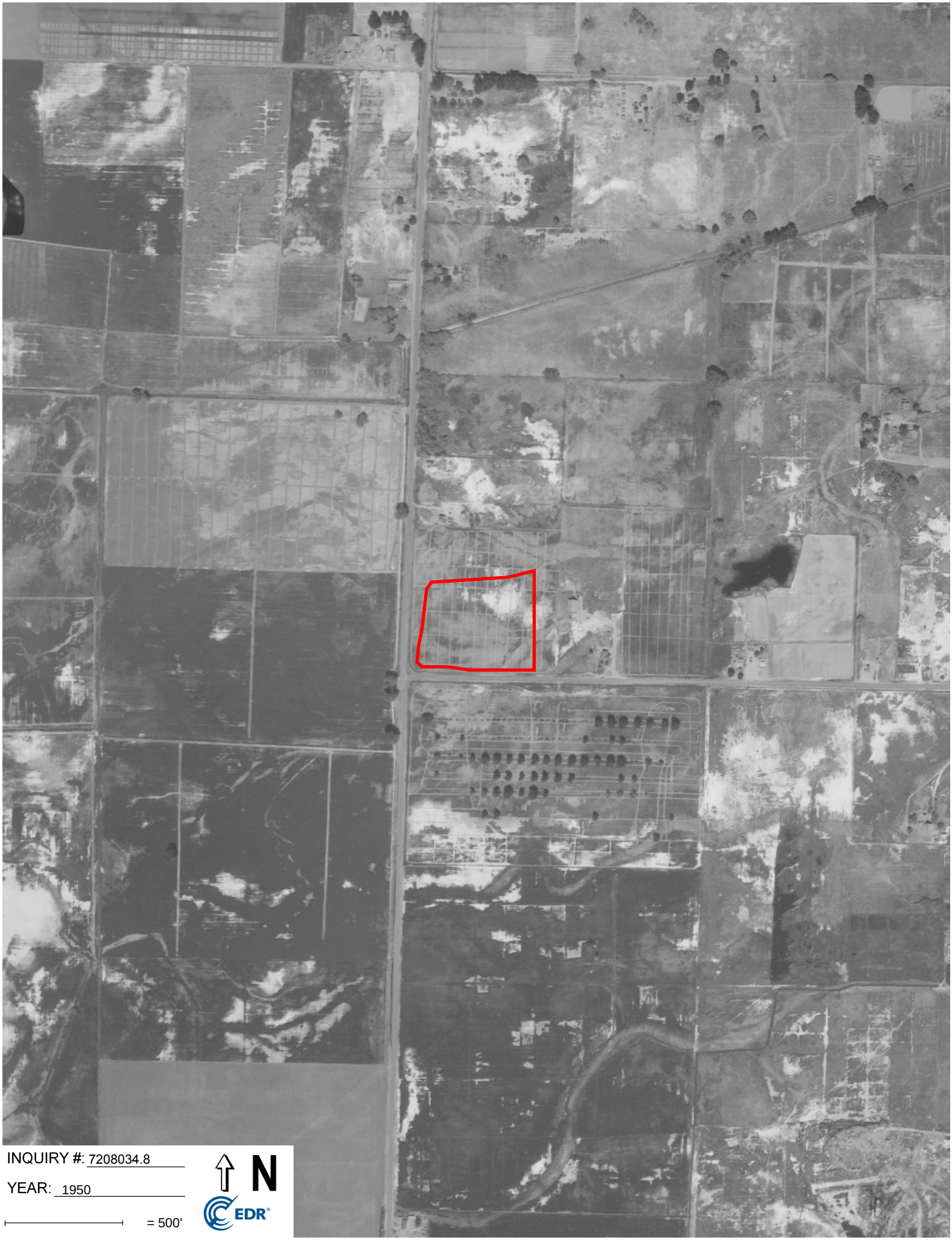
YEAR: 1966

= 500'

N

EDR

Subject boundary not shown because it exceeds image extent or image is not georeferenced.



INQUIRY #: 7208034.8

YEAR: 1950

= 500'

N

EDR

INQUIRY #: 7208034.8

YEAR: 1942

= 500'

N

EDR


INQUIRY #: 7208034.8
YEAR: 1940
= 500'
N
EDR

INQUIRY #: 7208034.8

YEAR: 1937

= 500'

N

EDR

INQUIRY #: 7208034.8

YEAR: 1934

= 500'

N

EDR

TOPOGRAPHIC MAPS

Proposed Maverick Fuel Center Station
18806 IONA AVE
LEMOORE, CA 93245

Inquiry Number: 7208034.4
December 19, 2022

EDR Historical Topo Map Report

with QuadMatch™

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

EDR Historical Topo Map Report

12/19/22

Site Name:

Proposed Maverick Fuel Cente
18806 IONA AVE
LEMOORE, CA 93245
EDR Inquiry # 7208034.4

Client Name:

RMA Geoscience
9854 Glenoaks Blvd
Sun Valley, CA 91352
Contact: Jim Vue

EDR Topographic Map Library has been searched by EDR and maps covering the target property location as provided by RMA Geoscience were identified for the years listed below. EDR's Historical Topo Map Report is designed to assist professionals in evaluating potential liability on a target property resulting from past activities. EDRs Historical Topo Map Report includes a search of a collection of public and private color historical topographic maps, dating back to the late 1800s.

Search Results:

P.O.# 22G-1217-1/01

Project: Proposed Maverick Fuel Cente

Coordinates:

Latitude:	36.284343 36° 17' 4" North
Longitude:	-119.797807 -119° 47' 52" West
UTM Zone:	Zone 11 North
UTM X Meters:	248718.45
UTM Y Meters:	4019119.42
Elevation:	222.07' above sea level

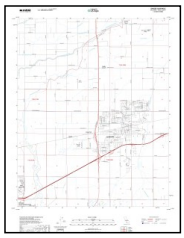
Maps Provided:

2018
2015
2012
1976
1955
1954
1927

Topo Sheet Key

This EDR Topo Map Report is based upon the following USGS topographic map sheets.

2018 Source Sheets



Lemoore
2018
7.5-minute, 24000

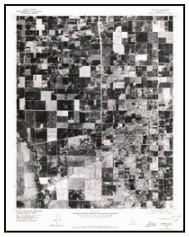
2015 Source Sheets

Lemoore
2015
7.5-minute, 24000

2012 Source Sheets

Lemoore
2012
7.5-minute, 24000

1976 Source Sheets

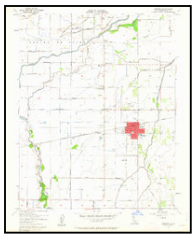


Lemoore
1976
7.5-minute, 24000
Aerial Photo Revised 1976

Topo Sheet Key

This EDR Topo Map Report is based upon the following USGS topographic map sheets.

1955 Source Sheets



Lemoore
1955
7.5-minute, 24000
Aerial Photo Revised 1950

1954 Source Sheets

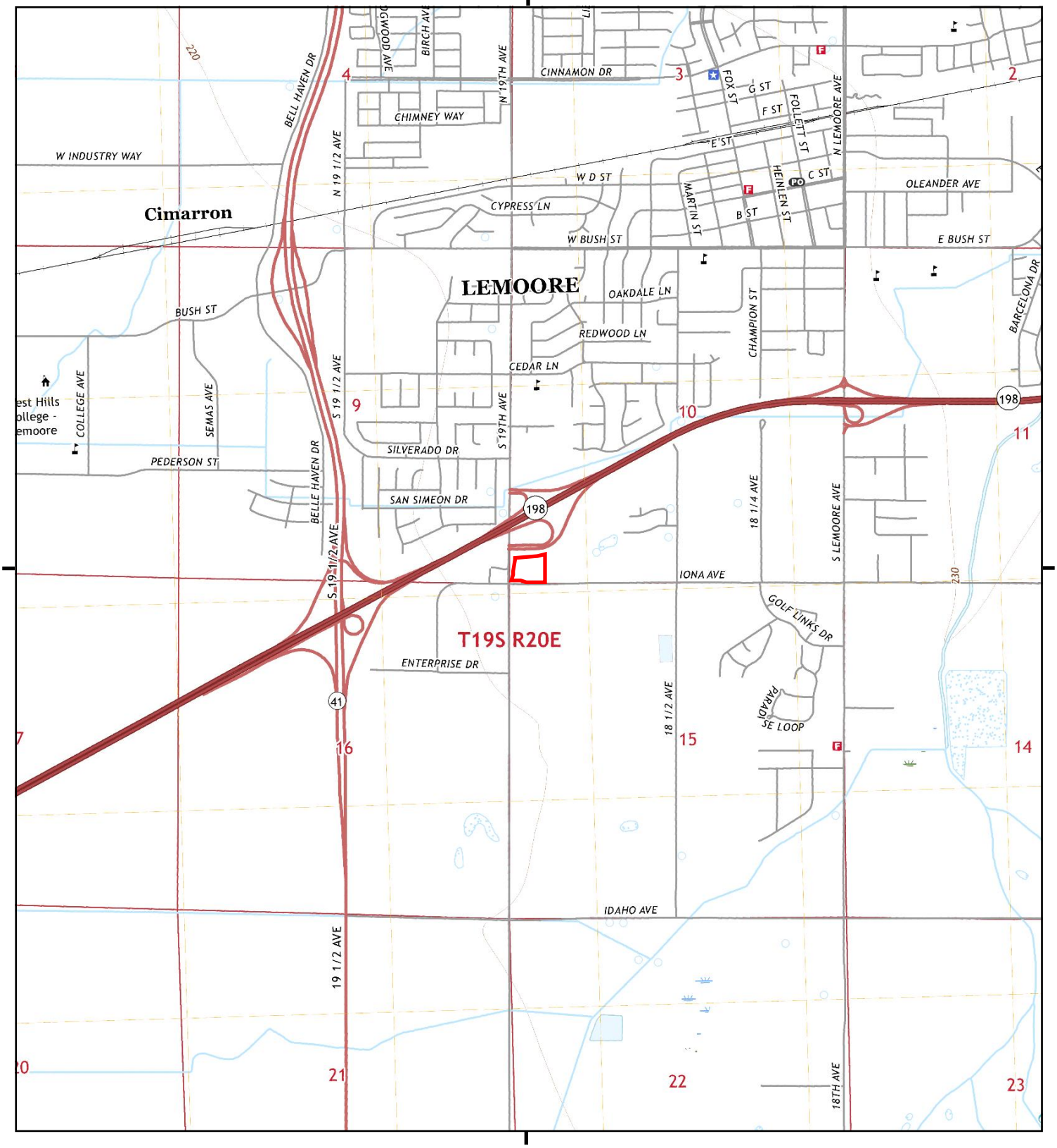
Lemoore
1954
7.5-minute, 24000
Aerial Photo Revised 1950

1927 Source Sheets

Lemoore
1927
7.5-minute, 31680

Historical Topo Map

2018



This report includes information from the following map sheet(s).

0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

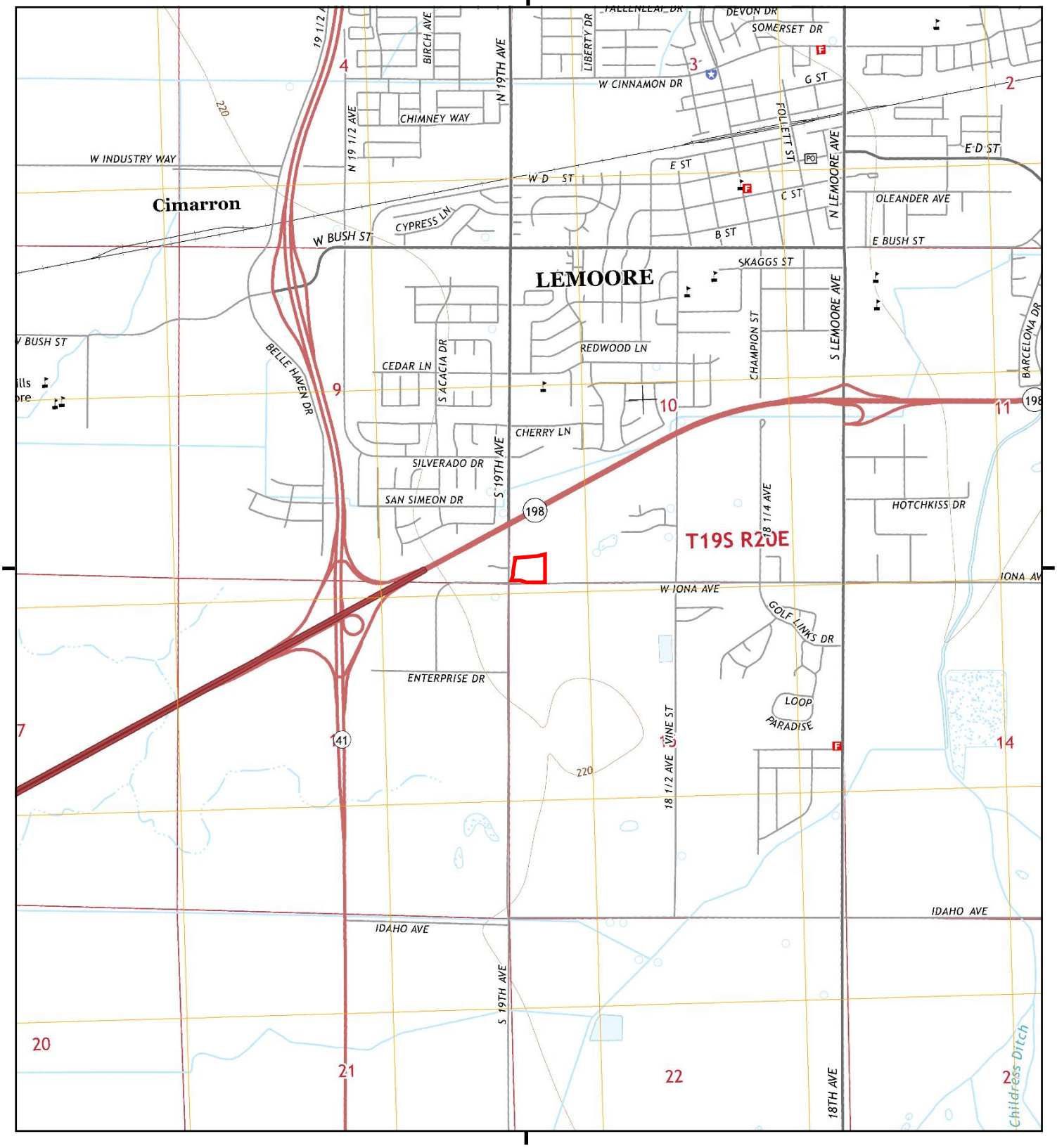
TP, Lemoore, 2018, 7.5-minute

SITE NAME: Proposed Maverick Fuel Center Station
ADDRESS: 18806 IONA AVE
LEMOORE, CA 93245
CLIENT: RMA Geoscience

N

Historical Topo Map

2015



This report includes information from the following map sheet(s).

0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

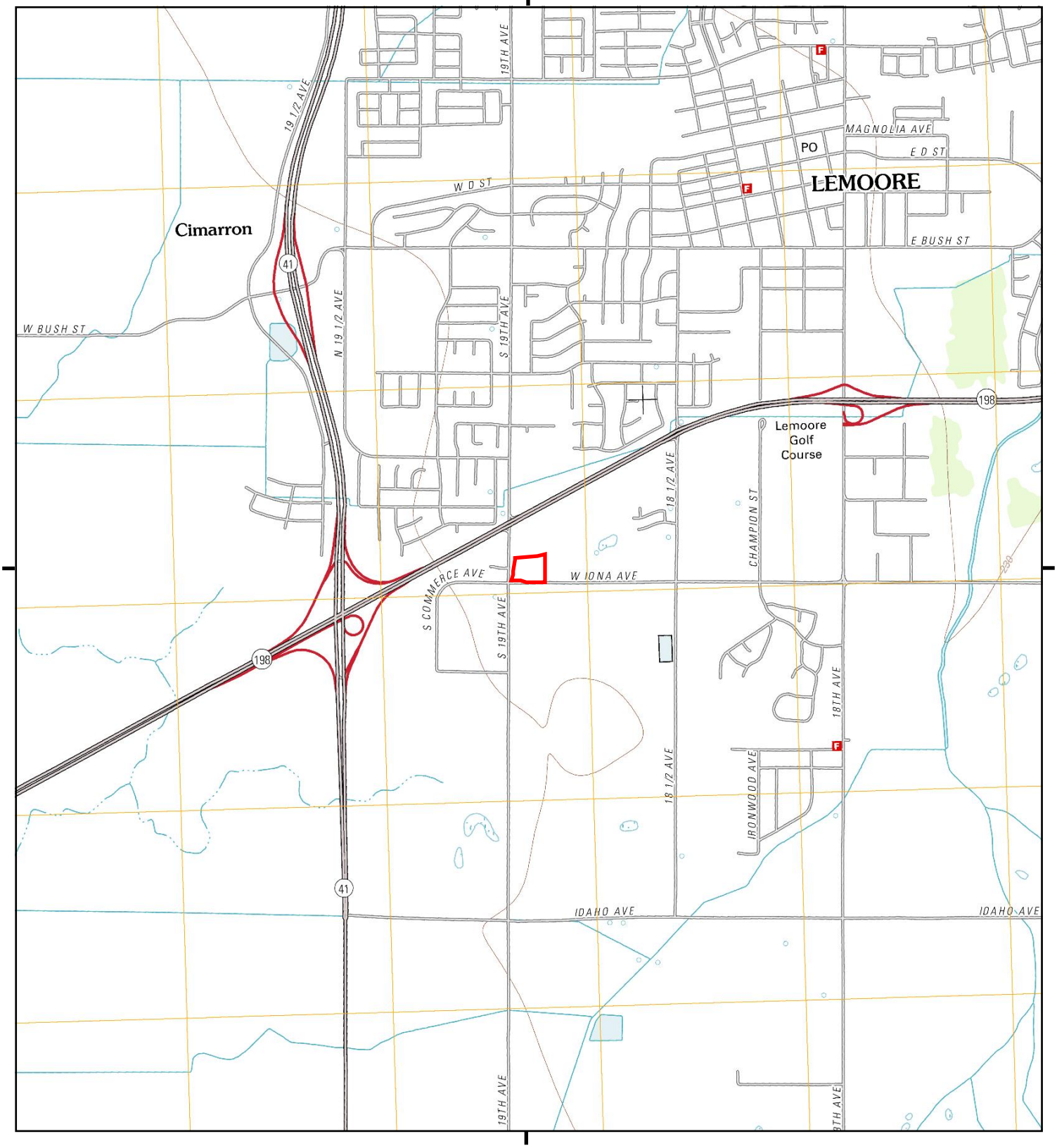
TP, Lemoore, 2015, 7.5-minute

SITE NAME: Proposed Maverick Fuel Center Station
ADDRESS: 18806 IONA AVE
LEMOORE, CA 93245
CLIENT: RMA Geoscience

N

Historical Topo Map

2012



This report includes information from the following map sheet(s).

0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

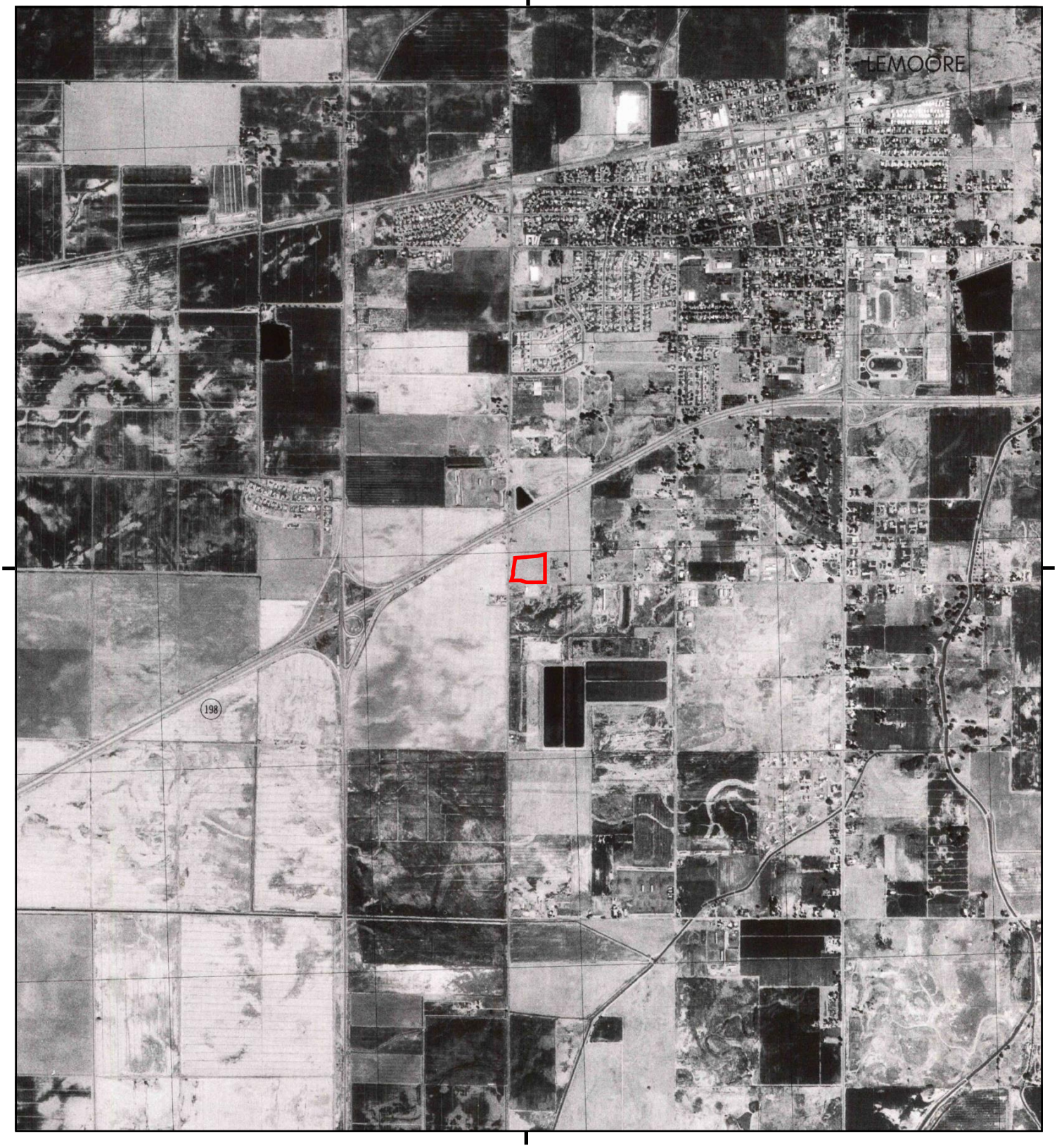
TP, Lemoore, 2012, 7.5-minute

SITE NAME: Proposed Maverick Fuel Center Station
ADDRESS: 18806 IONA AVE
LEMOORE, CA 93245
CLIENT: RMA Geoscience

N

Historical Topo Map

1976



This report includes information from the following map sheet(s).

0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

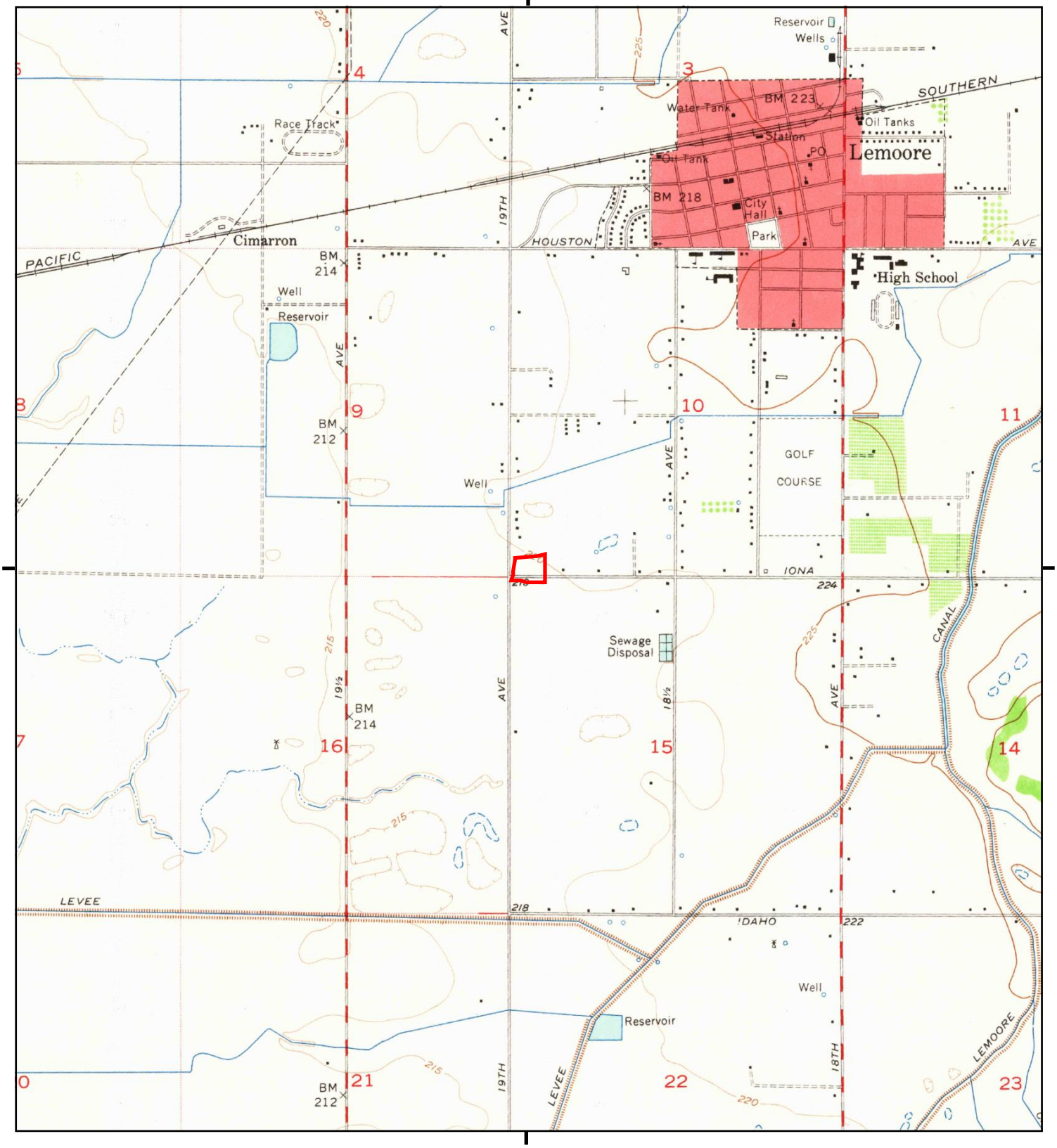
TP, Lemoore, 1976, 7.5-minute

SITE NAME: Proposed Maverick Fuel Center Station
ADDRESS: 18806 IONA AVE
LEMOORE, CA 93245
CLIENT: RMA Geoscience

N

Historical Topo Map

1955



This report includes information from the following map sheet(s).

0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

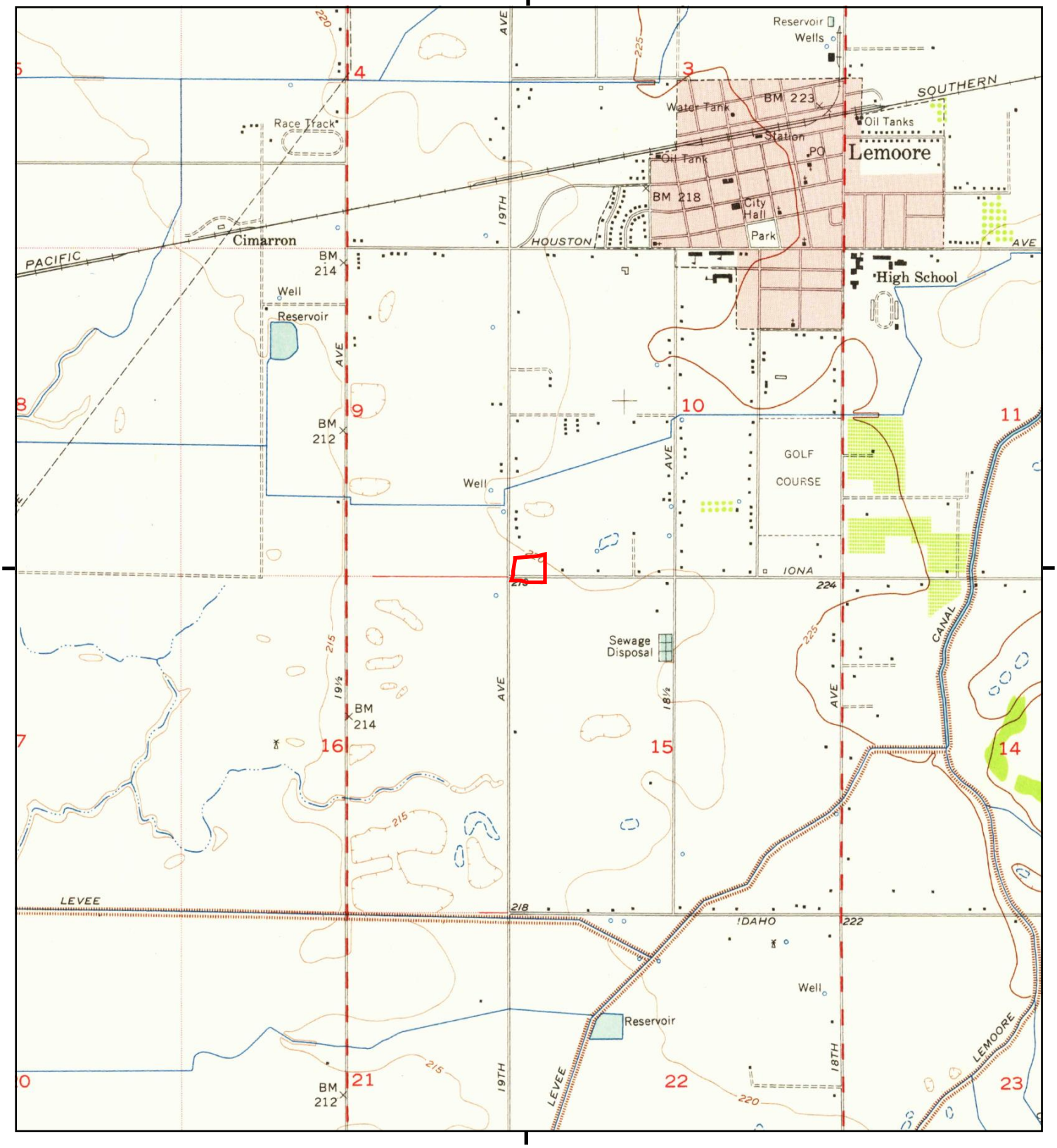
TP, Lemoore, 1955, 7.5-minute

SITE NAME: Proposed Maverick Fuel Center Station
ADDRESS: 18806 IONA AVE
LEMOORE, CA 93245
CLIENT: RMA Geoscience

N

Historical Topo Map

1954



This report includes information from the following map sheet(s).

0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

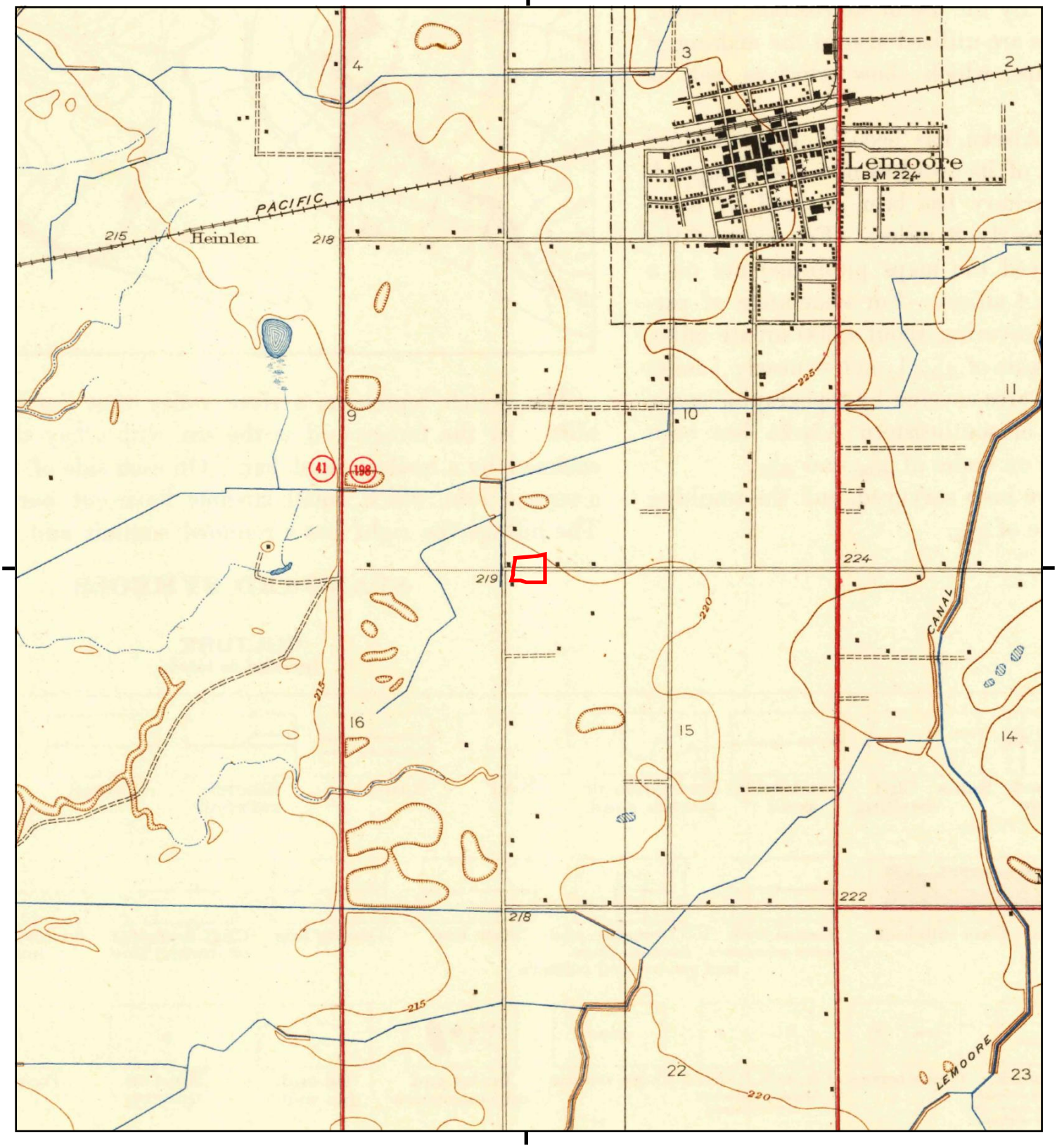
TP, Lemoore, 1954, 7.5-minute

SITE NAME: Proposed Maverick Fuel Center Station
ADDRESS: 18806 IONA AVE
LEMOORE, CA 93245
CLIENT: RMA Geoscience

N

Historical Topo Map

1927



This report includes information from the following map sheet(s).

0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

TP, Lemoore, 1927, 7.5-minute

SITE NAME: Proposed Maverick Fuel Center Station
ADDRESS: 18806 IONA AVE
LEMOORE, CA 93245
CLIENT: RMA Geoscience

N

SANBORN REPORT

Proposed Maverick Fuel Center Station
18806 IONA AVE
LEMOORE, CA 93245

Inquiry Number: 7208034.3
December 19, 2022

Certified Sanborn® Map Report

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

Certified Sanborn® Map Report

12/19/22

Site Name:

Proposed Maverick Fuel Cente
18806 IONA AVE
LEMOORE, CA 93245
EDR Inquiry # 7208034.3

Client Name:

RMA Geoscience
9854 Glenoaks Blvd
Sun Valley, CA 91352
Contact: Jim Vue

The Sanborn Library has been searched by EDR and maps covering the target property location as provided by RMA Geoscience were identified for the years listed below. The Sanborn Library is the largest, most complete collection of fire insurance maps. The collection includes maps from Sanborn, Bromley, Perris & Browne, Hopkins, Barlow, and others. Only Environmental Data Resources Inc. (EDR) is authorized to grant rights for commercial reproduction of maps by the Sanborn Library LLC, the copyright holder for the collection. Results can be authenticated by visiting www.edrnet.com/sanborn.

The Sanborn Library is continually enhanced with newly identified map archives. This report accesses all maps in the collection as of the day this report was generated.

Certified Sanborn Results:

Certification # 1F3B-47D3-8D79

PO # 22G-1217-1/01

Project Proposed Maverick Fuel Center

UNMAPPED PROPERTY

This report certifies that the complete holdings of the Sanborn Library, LLC collection have been searched based on client supplied target property information, and fire insurance maps covering the target property were not found.

Sanborn® Library search results

Certification #: 1F3B-47D3-8D79

The Sanborn Library includes more than 1.2 million fire insurance maps from Sanborn, Bromley, Perris & Browne, Hopkins, Barlow and others which track historical property usage in approximately 12,000 American cities and towns. Collections searched:

- ☑ Library of Congress
- ☑ University Publications of America
- ☑ EDR Private Collection

The Sanborn Library LLC Since 1866™

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RMA Geoscience (the client) is permitted to make up to FIVE photocopies of this Sanborn Map transmittal and each fire insurance map accompanying this report solely for the limited use of its customer. No one other than the client is authorized to make copies. Upon request made directly to an EDR Account Executive, the client may be permitted to make a limited number of additional photocopies. This permission is conditioned upon compliance by the client, its customer and their agents with EDR's copyright policy; a copy of which is available upon request.

CITY DIRECTORY

Proposed Maverick Fuel Center Station
18806 IONA AVE
LEMOORE, CA 93245

Inquiry Number: 7208034.5
December 22, 2022

The EDR-City Directory Image Report

EDR® Environmental Data Resources Inc

6 Armstrong Road
Shelton, CT 06484
800.352.0050
www.edrnet.com

TABLE OF CONTENTS

SECTION

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

EXECUTIVE SUMMARY

DESCRIPTION

Environmental Data Resources, Inc.'s (EDR) City Directory Report is a screening tool designed to assist environmental professionals in evaluating potential liability on a target property resulting from past activities. EDR's City Directory Report includes a search of available city directory data at 5 year intervals.

RECORD SOURCES

EDR's Digital Archive combines historical directory listings from sources such as Cole Information and Dun & Bradstreet. These standard sources of property information complement and enhance each other to provide a more comprehensive report.

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Data by
infoUSA®

RESEARCH SUMMARY

The following research sources were consulted in the preparation of this report. A check mark indicates where information was identified in the source and provided in this report.

Year	Target Street	Cross Street	Source
2017	☑	☐	EDR Digital Archive
2014	☑	☐	EDR Digital Archive
2010	☑	☐	EDR Digital Archive
2005	☑	☐	EDR Digital Archive
2000	☑	☐	EDR Digital Archive
1995	☑	☐	EDR Digital Archive
1992	☑	☐	EDR Digital Archive
1990	☑	☐	Haines Criss-Cross Directory
1985	☑	☐	Haines Criss-Cross Directory
1980	☑	☐	Haines Criss-Cross Directory
1975	☑	☐	Haines Criss-Cross Directory

FINDINGS

TARGET PROPERTY STREET

18806 IONA AVE
LEMOORE, CA 93245

Year	*CD Image*	*Source*
IONA AVE		
2017	pg A1	EDR Digital Archive
2014	pg A4	EDR Digital Archive
2010	pg A7	EDR Digital Archive
2005	pg A10	EDR Digital Archive
2000	pg A14	EDR Digital Archive
1995	pg A16	EDR Digital Archive
1992	pg A18	EDR Digital Archive
1990	pg A20	Haines Criss-Cross Directory
1985	pg A23	Haines Criss-Cross Directory
1980	pg A26	Haines Criss-Cross Directory
1975	pg A29	Haines Criss-Cross Directory
S 19TH AVE		
2017	pg A2	EDR Digital Archive
2014	pg A5	EDR Digital Archive
2010	pg A8	EDR Digital Archive
2005	pg A11	EDR Digital Archive
2000	pg A15	EDR Digital Archive
1995	pg A17	EDR Digital Archive
1992	pg A19	EDR Digital Archive
1990	pg A21	Haines Criss-Cross Directory
1990	pg A22	Haines Criss-Cross Directory
1985	pg A24	Haines Criss-Cross Directory
1985	pg A25	Haines Criss-Cross Directory
1980	pg A27	Haines Criss-Cross Directory
1980	pg A28	Haines Criss-Cross Directory
1975	pg A30	Haines Criss-Cross Directory

FINDINGS

CROSS STREETS

No Cross Streets Identified

City Directory Images

Target Street	Cross Street	Source
✓	-	EDR Digital Archive

IONA AVE 2017

16031 COSTA, RONALD
16221 BAUER, TERRY E
16441 BELTRAN, YOLANDA
16455 SOTELO, MANUEL
16839 WESTSIDE TRANSPLANT
17117 ORNELLAS, NATHAN E
17151 ANDERSON, JEFF M
17181 ZAVALA, LAURA
17189 MCGAUGH, CHUCK G
17232 ANDERSON, JESSICA A
17241 PERICO, FRANK V
17276 PRYS, GARI
17281 REYES, BERNARDO
17300 AVILA, KELLY J
17311 ESPINOZA, DIANA
17336 SIMAS, PATRICK M
17365 FRAGA, MARY A
17450 STIEVE, ADAM C
17474 DIAZ, ERASMO C
17492 SCHIPPELL, FRANK B
17499 CABRERA, BENIGNO R
PULIDO & SONS TREE SERVICE
17535 GILFRY, MASON C
17693 BILLINGSLEY, RODNEY K
17739 TRUJILLO, CARLOS T
17815 FERGUSON, KEVIN
17833 GONZALEZ, RON
17859 MAZUKA, JULIAN S
17860 CASTILLO, BERTHA L
17890 WALMSLEY, STEVEN R
17891 KYKER, JEFF S
17934 MCNABB, TIMOTHY D

Target Street	Cross Street	Source
✓	-	EDR Digital Archive

S 19TH AVE 2017

150	AFFRUNTI, KATHRYN
	ALLEN, DIANE E
	ALVAREZ, JESSICA J
	BAUER, S
	BETUEL, ANTONIA C
	BOWEN, MAY
	CARDENAS, MARTIN
	CARLON, SOCORRO
	CONTRERAS, JUAN C
	ESCOBEDO, YOLANDA
	ESPINOZA, LUCINA M
	ESQUIVEL, MARTHA
	GONZALEZ, JUANITA
	JOHNSON, KENYATTA
	JONES, BETH
	KAMBICK, KAYLYNN
	LEMUS, JOSE
	LULLIE, KRISTIN
	MARIA, MEJIA
	MARISCAL, MICHELLE
	MARQUEZ, ELPIDIO N
	MARTHA, MAGANA
	MARTINEZ, JOANN P
	MATTOS, MARIA A
	MCKENDELL, DENISE C
	MONTCLAIR APARTMENTS
	RAMIREZ, ANITA
	RAMIREZ, ANNABEL
	RENTERIA, ANGELICA K
	RICHARDSON, COURTNEY
	RIVERA, JOSE M
	ROGERS, MATTHEW Z
	RUIZ, PANFILO
	SANCHEZ, SANDRA
	SHAW, STEPHANIE
	SILVA, JULIE A
	SOLORIO, ESMERALDA
	SOTO, IMELDA
	TAMAYO, JUAN G
	TOSTE, MARIA B
	VANHOEK, ANGELA B
	WILLIAMS, KATHLEEN
	WINDLE, SARA
	WYATT, SANDRA D
	ZARAGOZA, ARACELI
280	RIVERA, PEDRO
300	ARNOLD, CHERYL J
320	VEGA, SYLVESTER S
340	FULKS, DANIEL J
360	WARCHOL, STEPHANIE E

S 19TH AVE 2017 (Cont'd)

370	JONES, REBECCA
375	CLARK, ARIEL S
380	PLUMMER, RICHARD J
395	ARRUDA, JOSEPH J
410	CAVANAUGH, MICHAEL J
425	WYNN, BRIAN S
430	SANDERS, DALLAS R
440	BOWMAN, CORRINA
	TEJEDA, CHRISTOPHER
450	BELLAMY, BARBARA J
511	WESTMORELAND, ELEANOR F
521	BLAIR, DOROT A
531	HERNANDEZ, OLGA
541	TEJERESO, DAVID
571	CHARRON, JOEL R
581	DONEZ, KAREN E
591	JOHNSON, CAROLE L
621	BURKE, IDA M
640	LIMON, CESAR J
	MONTES, ADAM
	TAJONERA, EDNA
660	JONES, SHAKAKAHN
	SUNAMOTO, BRIAN R
915	GUZMAN, JR
925	FASTENAL
1000	AMERICAN TRANSIT MIX CO
1055	AGUSA
1175	MIKE LOWRIE TRUCKING
	OLAN MILLS

Target Street	Cross Street	Source
✓	-	EDR Digital Archive

IONA AVE 2014

16031 COSTA, RONALD
16221 OCCUPANT UNKNOWN,
16441 JHONNY, GARCIA
16445 OCCUPANT UNKNOWN,
16455 SOTELO, MANUEL
16839 WESTSIDE TRANSPLANT
17117 ORNELLAS, NATHAN E
17151 FOLKS, DENNIS A
17181 ZAVALA, LAURA
17189 MCGAUGH, CHUCK G
17227 JONES, ASHLEY
17232 CORL, STEPHEN G
17241 PERICO, FRANK V
17276 PRYS, GARI
17281 MACHADO, NAOMI I
17300 OCCUPANT UNKNOWN,
17306 AVILA, ARNOLD
17311 ESPINOZA, DIANA
17336 MALESKY, KAREN A
17365 FRAGA, MARY A
17368 SIMAS, PATRICK M
17450 STIEVE, ADAM C
17474 DIAZ, ERASMO C
17492 OCCUPANT UNKNOWN,
17499 PULIDO & SONS TREE SERVICE
PULIDO, HIPOLITO S
17535 GILFRY, MASON C
17577 KELLEY, DWIGHT C
17657 MUNROE, DONALD A
17693 BILLINGSLEY, RODNEY K
17739 TRUJILLO, CARLOS A
17815 FERGUSON, KAY K
17833 MAZUKA, JULIANE
17859 MAZUKA, JULIAN S
17860 MACKIN, VALERIE J
17890 WALMSLEY, STEVEN R
17891 KYKER, JEFF S
17931 DAWSON, DANIEL C
17934 HASENFRATAZ, JANNA D

Target Street	Cross Street	Source
✓	-	EDR Digital Archive

S 19TH AVE 2014

150	BALTAZAR, EMILIA
	BAUER, S
	BELTRAN, MARIANA D
	BERUMEN, JESSE
	BOWEN, MARYLEAN
	BUSTAMANTE, HEATHER
	CARDENAS, MARTIN
	CRAWFORD, DEON L
	DAVIS, I
	DEAN, BARBARA S
	DELGADO, DAVID
	DOMINGUEZ, ROY H
	DRISKELL, JOHNDRISKELL
	ELPIDIO, MARQUEZ
	ESPINOZA, LUCINA M
	ESTRADA, LORENZO
	GALINDO, THOMAS P
	GONZALES, RITA G
	HIBBARD, DONNA
	HUNTER, EDNA
	JAMES, VONDA J
	JUAN, CARLOS C
	KING, TRAMAINE
	LOPEZ, CLAUDIA
	LULLIE, KRISTIN
	MACIAS, JOSE
	MARIA, MEJIA
	MARTINEZ, JOANN P
	MATTOS, MARIA A
	MONTCLAIR APARTMENTS
	MORAN, LEO D
	REBOLLO, ESTHER
	RENTERIA, ANGEE
	ROCHA, MONICA
	ROGERS, MATTHEW Z
	RUIZ, PANFILO
	SALDIVAR, PATRICIA
	SHOALS, DEZEREA
	SIADOR, RICHELLE F
	SOBOLEWSKI, LAURIE A
	SOLORIO, DE M
	STENGEL, ASHLEY
	STONE, REBECCA
	TAMAYO, JUAN G
	TARAZON, AMELIA A
	TOSTE, MARIA B
	WILLIAMS, MITCHELL
	WILLS, FRED
	YBARRA, PATRICIA H
280	HOBBS, EUGENE M

S 19TH AVE 2014 (Cont'd)

300	PRICE, THOMAS
320	VEGA, SYLVESTER S
340	FULKS, DANIEL J
355	OCCUPANT UNKNOWN,
360	HAHN, THOMAS S
370	OCCUPANT UNKNOWN,
375	CLARK, JIMMY R
380	PLUMMER, RICHARD J
395	ARRUDA, JOSEPH J
410	CAVANAUGH, MICHAEL J
420	VEIGA, MICHAEL J
425	WYNN, LYNDSIE B
435	BLUHM, LOREN
440	ALVAREZ, VALORIE
	KLEINHAMMER, BRIAN D
445	COMAITES, NICK
450	ARAMBULA, JULIO C
	BALDOVINOS, MARIBEL
511	PRUETT, ELEANOR F
521	PEREZ, GONZALO
531	OCCUPANT UNKNOWN,
571	CHARRON, JOEL R
581	DONEZ, KAREN E
591	OCCUPANT UNKNOWN,
621	LEE, RODNEY K
631	JONES, MARGARET I
640	ADRIAN, JAMES
	OCCUPANT UNKNOWN,
	TAJONERA, EDNA
660	AUGUSTUS, MARTHA
	OCCUPANT UNKNOWN,
	RODRIGUEZ, ANNE L
	SMITH, BRYAN
	SUNAMOTO, BRIAN R
915	GUZMAN, JR
925	FASTENAL
1000	AMERICAN TRANSIT MIX CO
1055	AGUSA
1175	MIKE LOWRIE TRUCKING
	OLAM TOMATO PROCESSORS
1705	KE PROMOTIONS
1755	OCCUPANT UNKNOWN,

Target Street	Cross Street	Source
✓	-	EDR Digital Archive

IONA AVE 2010

16031 COSTA, RONALD
16221 DI PRIMA EXCAVATION
DIPRIMA, PHILLIP R
16441 OCCUPANT UNKNOWN,
16445 OCCUPANT UNKNOWN,
16455 GIL, CARLOS A
17117 ORNELLAS, NATHAN E
17151 FOLKS, DENNIS A
17181 OCCUPANT UNKNOWN,
17227 OCCUPANT UNKNOWN,
17232 CORL, STEPHEN G
17241 BATTLES, DAMON J
17276 PRYS, ROBERT J
17281 MACHADO, NAOMI I
17300 AVILA, ARNOLDO H
17311 ESPINOZA, MARY R
17336 OCCUPANT UNKNOWN,
17365 FRAGA, MARY A
17368 SIMAS, PATRICK M
17450 STIEVE, ADAM C
17474 DIAZ, NEOMA L
17492 GARCIA, TIMOTHY
17499 CABRERA, BENIGNO
PULIDO & SONS TREE SVC
17535 GILFRY, MASON C
17577 KELLEY, DWIGHT C
17657 MUNROE, DONALD A
17693 PAPPENFUS, JOHN E
17739 TRUJILLO, CARLOS A
17815 FERGUSON, KAY K
17833 CABRERA, MANUEL
17859 MAZUKA, JULIAN S
17860 OCCUPANT UNKNOWN,
17890 WALMSLEY, STEVEN R
17891 KYKER, JEFF F
17931 VILLALOBOS, RICHARD
17934 MCNABB, TIMOTHY D
18777 MARX, WILLIAM O

Target Street	Cross Street	Source
✓	-	EDR Digital Archive

S 19TH AVE 2010

150 ALBERAS, RUBEN
ALBERT, JASON
ALFARO, BRENDA
BALTAZAR, EMILIA
BARRAGAN, ALMA
BERUMEN, JESSE
BIENIEMY, PATRIC
BUSTAMANTE, HEATHER
CALDERA, BENITO
CARRILLO, YOLANDA
CASTRO, ARTHUR V
CATO, JOSEFINA
CUEVAS, LORRAINNE M
DAMPITAN, NENITA S
DAY, MARISSA
DEAN, BARBIE S
DEBEM, MICHAEL
DEMORENO, ANA S
DEPNER, PATRICIA E
DESANTIAGO, GENOVEVA
DOMINGUEZ, ROY H
DONELSON, KRISTINA
ESPINOZA, LUCINA M
ESQUIVEL, JIMMY
FLORES, MONICA
FOLAND, PAUL D
GIPSON, NAOMI
GOMEZ, SANDRA
GONZALES, RITA G
GONZALEZ, JUANITA
HOUSTON, JAMIE R
JAEGER, SHANNON
JIMENEZ, ENRIQUE
JOHNSON, TENELA
JONES, JAMES
LIMON, LUZ
MEDINA, SANDRA
MONTCLAIR APARTMENTS
MOORE, RYAN
MURO, OMAR
NICKS, WILLIAM B
ORSABA, LESLI
OXFORD, ROGER
RAMIREZ, MARIA
REBOLLO, ESTHER
RENTERIA, ANGELICA
ROMERO, VERONICA
SANDOVAL, JOEL
SANTIAGO, GENOVEVA
SIADOR, RICHELLE F

Target Street	Cross Street	Source
✓	-	EDR Digital Archive

S 19TH AVE 2010 (Cont'd)

150	SOLORIO, DEMORENO A
	STOCKTON, AUDREY
	TOSTE, MARIA
	YBARRA, JOE A
280	HOBBS, THOMAS
300	PRINTUP, CHRISTIAN M
320	VEGA, ANDREA L
340	FULKS, DANIEL J
355	OCCUPANT UNKNOWN,
360	HAHN, THOMAS S
370	SHAFFER, CLARENCE
375	CLARK, JIMMY R
380	PLUMMER, RICHARD J
395	ARRUDA, JOSEPH J
410	CAVANAUGH, MICHAEL J
420	VEIGA, MICHAEL J
425	WYNN, BRIAN S
435	CORMARTIE, CONNIE
440	RHOADS, RICHARD B
445	COMAITES, NICK
450	NEWTON, HARMONY
	OLIVEIRA, RANDY P
501	SEWELL, GREG J
511	LEONARD, STEPHANIE M
521	PEREZ, CONCEPCION
541	MOORE, STEPHEN S
561	MARTIN, HENRY E
571	CHARRON, JOEL R
581	GROVES, HELEN R
591	JOHNSON, CAROLE L
601	OCCUPANT UNKNOWN,
611	OCCUPANT UNKNOWN,
621	LEE, RODNEY K
631	JONES, MARGARET I
640	BROWN, TIMOTHY
	DAVIS, ROSHELL
	OCCUPANT UNKNOWN,
660	DONALDSON, JAIME
	OCCUPANT UNKNOWN,
	OLSON, JOSHUA A
	TOBORG, JAYSEN
680	OCCUPANT UNKNOWN,
1055	AGUSA
1175	S K FOODS
1755	OCCUPANT UNKNOWN,

Target Street	Cross Street	Source
✓	-	EDR Digital Archive

IONA AVE 2005

16031 COSTA, RONALD
16221 DI PRIMA EXCAVATION
DI, PRIMA P
16445 OCCUPANT UNKNOWN,
16455 GUTIERREZ, AMANDO
17117 ORNELLAS, NATHAN E
17151 FOLKS, DENNIS A
17181 HETEBRINK, DARROW D
17189 OCCUPANT UNKNOWN,
17227 OCCUPANT UNKNOWN,
17232 OCCUPANT UNKNOWN,
17241 BATTLES, DAMON J
17276 PRYS, ROBERT J
17281 MACHADO, NAOMI I
17300 FLORES, DANIEL
17311 ESPINOZA, MARY O
17336 OCCUPANT UNKNOWN,
17365 FRAGA, MARY A
17368 SIMAS, PATRICK M
17450 WEDDERBURN, LOY C
17474 DIAZ, NEOMA L
17492 GARCIA, TIMOTHY
17499 PULIDO & SONS TREE SERVICE
PULIDO, HIPOLITO S
17535 GILFRY, MASON C
17577 KELLEY, DWIGHT C
17657 MUNROE, DONALD A
17668 JACOBS, ROBERT E
17693 PAPPENFUS, JOHN H
17739 BECK, DAVID B
17815 FERGUSON, CHARLES W
17833 RENOLLET, LAURA
17860 OCCUPANT UNKNOWN,
17890 WALMSLEY & ASSOCIATES INC
WALMSLEY, STEVE R
17891 KYKER, JEFF
17931 COMPTON, DEVIN L
17934 CAROL MCNABB CAROLMCNABB PRODIGY NET
CAROL MCNB CRLMCNB PRDGY NET
MCNABB, TIMOTHY D
18620 HUGHES, DON
18777 MARX, WILLIAM O

Target Street	Cross Street	Source
✓	-	EDR Digital Archive

S 19TH AVE 2005

150	AGUILAR, SINDY
	ALBERT, JOSEPH A
	BARRIGA, YVONNE
	BENNETT, MARY E
	BERMISO, PAULINA
	BIENIEMY, PATRICIA
	BOCKUS, LOIS N
	BONNER, CHRISTY
	CALOURO, SONIA
	CASTRO, ARTHUR V
	CATO, JOSEFINA
	CHAVEZ, JOSIE
	CLAUSING, LUPE
	COURSE, SHENA
	CUEVAS, LORRAINNE M
	DAYNEY, SCOTT C
	DEBEM, MISHA
	DOMINGUEZ, ROY H
	DUARTE, TONYA S
	DUNCAN, NAOMI I
	FERGUSON, MICHELLE
	FINISTER, KATHY J
	FRIEND, TIFFANY M
	GONZALES, LINDA
	GONZALEZ, ADELA
	HAMLITON, SHAKIRA
	HARTBERG, MARIAH C
	HERNANDEZ, JAVIER G
	HUGHES, KIMBERLEY
	JIRON, MARTHA
	JOHNSON, TENELA
	JONES, ELEANOR C
	KAY, CAROLYN
	KNIGHT, SCOTT R
	MARTINEZ, JULIANNE
	MESA, JAVIER
	MEZA, PEDRO
	MORENO, KIMBERLY
	OCEAN, ALEX
	ORTIZ, DEANNA M
	PENA, BALDOMERO
	PERALTA, ISRAEL
	PERRY, MANNIE M
	PERRYMAN, FAWN
	POTTER, ELLEN V
	PUENTES, MAGGIE
	QUIREOZ, MARIO A
	REID, I
	RENTERIA, ANGEE
	REYES, ELSA

S 19TH AVE 2005 (Cont'd)

150	RODGERS, JAMES D
	RUMSEY, BRUCE W
	SAL, YBARRA
	SAMS, TASHA
	SHAW, LYNETTE
	SOLORIO, ESMERALDA
	SOTO, GLORIA
	TELLEZ, SERGIO C
	TOSTE, MARIA
	VOLORES, DELORES
	WELLS, BARBARA
	ZARAGOSA, DANIEL
280	HOBBS, MELTON E
289	JACKSON, JASON
300	HUGHES AUTO WRECKING & TOWING
	HUGHES TOWING SERVICE
	WAYMIRE, JERRY W
320	LUNA, DOLORES G
340	FULKS, DANIEL J
355	LEE, JIM
360	THOMAS, KENNETH M
370	HUMPHREY, TERRY L
375	CLARK, JIMMY R
380	PLUMMER, RICHARD J
395	ARRUDA, JOSEPH J
410	CAVANAUGH, MICHAEL J
420	PEREZ, ANTHONY P
425	WYNN, BRIAN S
430	ARREDONDO, CAROLYN A
	WIGGS, CHARLES H
435	STUART, PAMELA
440	POSPECH, A
	RHOADS, RICHARD B
	SCHILLING, TIM
	WORTH, RAYMOND L
445	SCHORY, MATTHEW
450	ARAMBULA, RODRIGO A
	CUMMINGS, MICHAEL
	FIGUEROA, CARLOS M
	GAYTAN, ALABERT
465	YURKO, JILL
501	JOHNSON, JANINE D
510	SATUMBAGA, P Q
511	DENNIS, ANTWANETTE D
521	CASSIMAN, CECILY
531	OCCUPANT UNKNOWN,
541	MOORE, STEPHEN S
551	WARNOCK, KAY A
561	MARTIN, HENRY E
571	CHARRON, JOEL R

Target Street	Cross Street	Source
✓	-	EDR Digital Archive

S 19TH AVE 2005 (Cont'd)

581	GROVES, HELEN R
591	OCCUPANT UNKNOWN,
601	TOBORG, MARILYN J
611	DERAAD, MARGARET J
621	LEE, RODNEY K
631	JONES, MARGARET I
640	BROWN, TIMOTHY
	DIAZ, OSWALD
	GUZMAN, ANDREW J
	OLIVEIRA, ALVIN J
660	OCCUPANT UNKNOWN,
	RAUH, CARMEN J
915	BUMPASS, ROGER W
1705	ARTESIA
12168	BEBEREIA, FRANK A

Target Street	Cross Street	Source
✓	-	EDR Digital Archive

IONA AVE 2000

16031 GLENN, LISA Y
16221 OCCUPANT UNKNOWN,
16300 OCCUPANT UNKNOWN,
16455 OCCUPANT UNKNOWN,
17117 ORNELLAS, ELDON
17151 COLON, TIMOTHY E
17181 HETEBRINK, ELEANOR
17227 HOTCHKISS, MAURICE H
17241 PAGLIUSO, THOMAS E
17281 MACHADO, NAOMI I
17311 ESPINOZA, MANUEL
17365 QUINTANA, EDDIE
17368 SIMAS, PATRICK M
17450 WEDDERBURN, LOY
17474 LUMLY, ROBERT
17499 OCCUPANT UNKNOWN,
17535 GILFRY, MASON C
17566 OCCUPANT UNKNOWN,
17577 KELLEY, D
17657 MUNROE, DONALD
17668 OCCUPANT UNKNOWN,
17693 PAPPENFUS, JOHN
17739 BECK, DAVID B
17859 MAZUKA JULIAN & ASCENSION
17860 HENDERSON, SUSAN E
17890 WALMSLEY, STEPHEN R
17891 KYKER, JEFF

Target Street	Cross Street	Source
✓	-	EDR Digital Archive

S 19TH AVE 2000

280	HOBBS, GENE
300	ZURLO, C
340	FULKS, DANIEL J
355	OCCUPANT UNKNOWN,
420	BALL, B
	GLASS, STEPHEN
425	BYRNES, COLEEN E
	ST JAMES CONSTRUCTION CO
430	TUMAN, RON
	WIGGS, ETHEL
440	WEAVER, COLIN C
450	BACON, GLORIA J
	CUMMINGS, MICHAEL
	GOSS, HEATHER A
	SMITH, DAVID A
465	OCCUPANT UNKNOWN,
501	EUDY, V
511	OCCUPANT UNKNOWN,
521	ROSE, WILLIAM H
531	HUBBARD, WILLIAM
541	PEREIRA, JOEL
545	HILL, JAMES H
561	OCCUPANT UNKNOWN,
571	OCCUPANT UNKNOWN,
585	MONGE, MARTHA
591	OCCUPANT UNKNOWN,
611	DERAAD, ARTHUR H
631	JONES, J R
640	HALL, JEFF C
	LEWIS, JAMES G
	NICHOLAS BRIAN & LEAF
	YOUNG, STEVEN M
660	TOBORG, WALTER
682	LEMOORE BMX
915	STONE, KRISTIE E
1000	ARTESIA READY MIX CONCRETE INCORPORATED
1175	S K FOODS
12579	COBINE, ALICE M

Target Street	Cross Street	Source
✓	-	EDR Digital Archive

IONA AVE 1995

16031 COSTA, RONALD
16221 BANEGAS, GEORGE
16300 BLAIR AIR SVC INC
GIBSON, CHRIS
16441 DEBOLT, PAMELA
16445 OCCUPANT UNKNOWNN
16455 STEVENS, MICHAEL
17117 ORNELLAS, ELDON
17151 OCCUPANT UNKNOWNN
17181 HOTCHKISS, HAROLD A JR
17189 ABSHIRE CONSTRUCTION
ABSHIRE, ALTON J
POTTER, J A
17227 HOTCHKISS, MAURICE H
17241 LOYA, RITA R
17281 MACHADO, JOHN F
17311 ESPINOZA, MANUEL
17365 QUINTANA, EDDIE
17368 SIMAS, PATRICK M
17450 WEDDERBURN, LOY
17474 LUMLY, ROBERT
17499 HUFF DAY CARE
HUFF, ERNEST W
17535 GILFRY, MASON C
17566 MCKIM, DOUGLAS
17577 YOUNG, K J
17668 OCCUPANT UNKNOWNN
17693 HUNT, ROBERT
17739 BECK, DAVID B
17815 FERGUSON, CHARLES W
17833 OCCUPANT UNKNOWNN
17890 WALMSLEY, STEPHEN R
17931 HAYES, LARRY A
18102 LEMOORE MIDGET RACEWAY
18234 KINGS COUNTY ROAD DISTRICT
18741 LEMOORE CANAL & IRRIGATION CO

Target Street	Cross Street	Source
✓	-	EDR Digital Archive

S 19TH AVE 1995

280 HOBBS, GENE
682 LEMOORE BMX
1000 ARTESIA READY MIX CONCRETE INC
1490 GARRISON, LEOTA
SANDERS, S F
13046 OCCUPANT UNKNOWNN
14228 ROCHA, FRANK D
16020 EDWARDS, DEWEY
16051 SEQUEIRA, JOSE N

Target Street	Cross Street	Source
✓	-	EDR Digital Archive

IONA AVE 1992

250 GOLF INC
16031 COSTA, RONALD
16300 BLAIR AIR SERV INC
GIBSON, CHRIS
16441 TAYLOR, WILLIAM R
17117 ORNELLAS, ELDON
17181 HOTCHKISS, HAROLD A JR
17189 ABSHIRE CONSTR
ABSHIRE, ALTON J
POTTER, J A
17227 HOTCHKISS, MAURICE H
17281 MACHADO, JOHN F
17311 ESPINOZA, MANUEL
17368 SIMAS, PATRICK M
17450 WEDDERBURN, LOY
17474 LUMLY, ROBERT
17499 HUFF DAY CARE
17535 GILFRY, MASON C
17577 YOUNG, K J
17693 HUNT, ROBERT
17815 MAZUKA, JULIAN
17890 LOKER, ROBERT E
17934 RISK, JERRY
18102 LEMOORE MDGT RACEWY
18234 KINGS CO RD DIST 1
18741 LEMOORE CANAL&IRGTN

Target Street	Cross Street	Source
✓	-	EDR Digital Archive

S 19TH AVE 1992

300	HUGHES TOWING SERV
400	AMER BROKERAGE CO
500	BUY&SPLIT
12079	CONTL AUTO EXCHANGE
12083	JOHNSON WEST MOTORS
12250	LEE, JIM
12579	COBINE, A M

Target Street	Cross Street	Source
✓	-	Haines Criss-Cross Directory

IONA AVE 1990

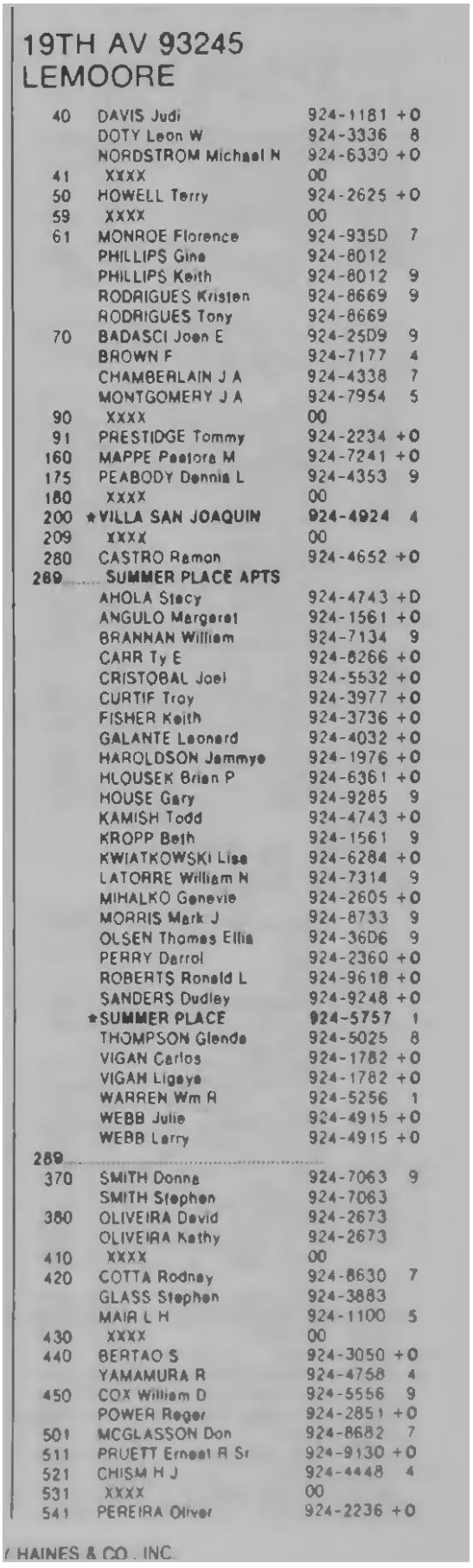
IONA AV 93245
LEMOORE

16031	COSTA Ronald	924-4038	
16221	XXXX	00	
18300	★BLAIR AIR SERV INC	924-1276	2
16441	TAYLOR Wm Ralph	924-2720	
16455	GARRETT J M	924-2850	
17117	POTTER Dorothy	924-3539	
	POTTER Grant	924-3539	
17151	XXXX	00	
17181	HOTCHKISS Harold Jr	924-2702	
17189	ABSHIRE Alton J	924-7112	
	ABSHIRE Betty L	924-7112	
	★ASSHIRE CONSTR	924-7112	
	POTTER J A	924-7112	5
17227	HOTCHKISS Maurice	924-2722	
17241	XXXX	00	
17281	MACHADO John F	924-5506	
17311	ESPINOZA Manual	924-4034	
17365	XXXX	00	
17388	SIMAS Patrick M	924-8003	6
17450	WEDDERBURN Darlene	924-4004	
	WEDDERBURN Loy	924-4004	
17474	LUMLY Robert	924-9136	
17499	★HUFF DAY CARE	924-4864	
17535	GILFRY Mason C	924-2041	
17566	HANSCOM Russell	924-1072	+0
17577	YOUNG K J	924-2110	6
17668	CHAVEZ Salvador	924-9408	
17693	XXXX	00	
17739	BECK David Butch	924-4329	
17815	MAZUKA Julian	924-2111	
17833	XXXX	00	
17860	XXXX	00	
17890	WALMSLEY Steve R	924-3817	3
17891	XXXX	00	
17931	GILFRY Mark	924-7124	8
17934	RISK Jerry L1	924-1132	
	RISK Jerry L1 Mrs	924-1132	
17978	XXXX	00	
18102	★LEMDORE MDGT RACEWY	924-2536	
18234	★KINGS CO RD DIST 1	924-2265	
18326	XXXX	00	
18335	XXXX	00	
18348	XXXX	00	
18355	XXXX	00	
18369	★GLOBAL VAN LNS AGNT	924-9201	4
18481	XXXX	00	
18483	XXXX	00	
18485	XXXX	00	
18491	XXXX	00	
18741	★LEMOORE CANAL&IRGTN	924-4768	
18777	XXXX	00	
18806	XXXX	00	
18855	★LEMOORE AUTO WRCKNG	924-3447	7
18939	★COAST GAS	924-9551	2

★ 9 BUS 45 RES 1 NEW

Target Street	Cross Street	Source
✓	-	Haines Criss-Cross Directory

S 19TH AVE 1990



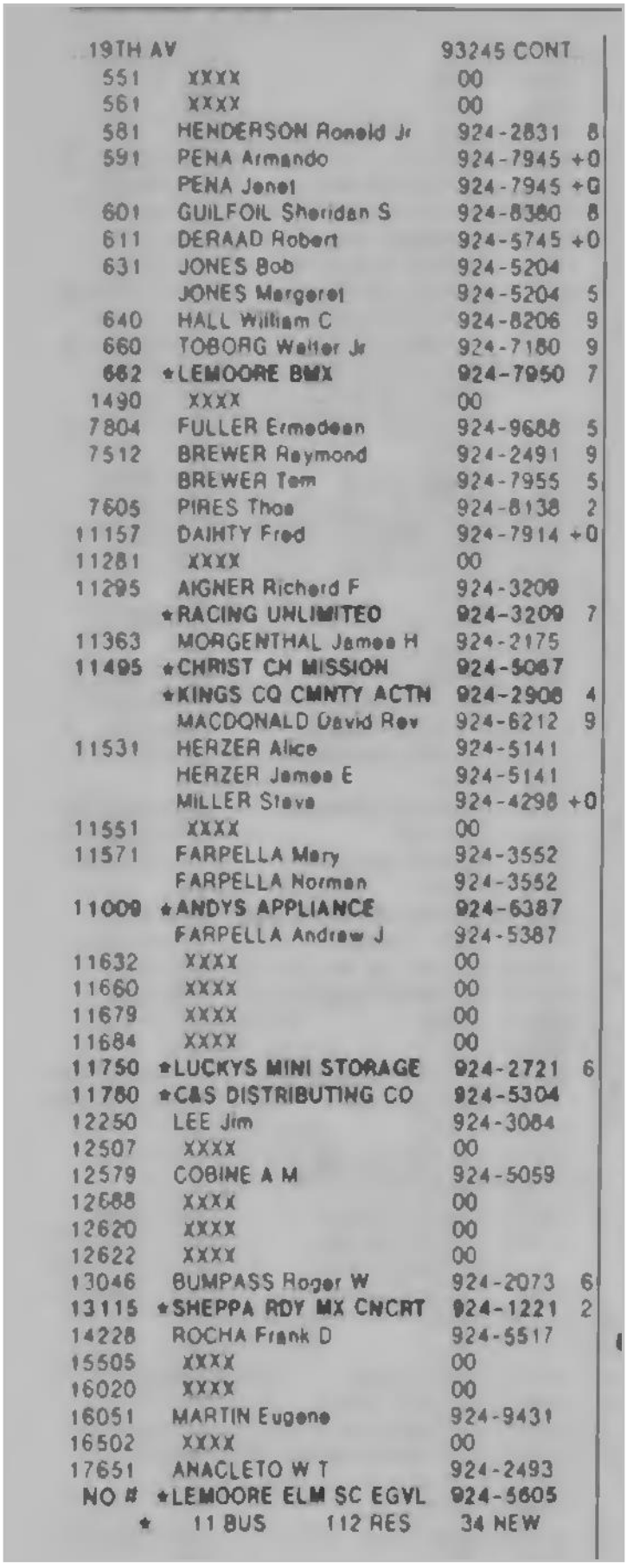
19TH AV 93245
LEMOORE

40	DAVIS Judi	924-1181	+0
	DOTY Leon W	924-3336	8
	NORDSTROM Michael N	924-6330	+0
41	XXXX	00	
50	HOWELL Terry	924-2625	+0
59	XXXX	00	
61	MONROE Florence	924-9350	7
	PHILLIPS Gina	924-8012	
	PHILLIPS Keith	924-8012	9
	RODRIGUES Kristen	924-8669	9
	RODRIGUES Tony	924-8669	
70	BADASCI Joan E	924-2509	9
	BROWN F	924-7177	4
	CHAMBERLAIN J A	924-4338	7
	MONTGOMERY J A	924-7954	5
90	XXXX	00	
91	PRESTIDGE Tommy	924-2234	+0
160	MAPPE Pastora M	924-7241	+0
175	PEABODY Dennis L	924-4353	9
180	XXXX	00	
200	*VILLA SAN JOAQUIN	924-4924	4
209	XXXX	00	
280	CASTRO Ramon	924-4652	+0
289	SUMMER PLACE APTS		
	AHOLA Stacy	924-4743	+0
	ANGULO Margaret	924-1561	+0
	BRANNAN William	924-7134	9
	CARR Ty E	924-8266	+0
	CRISTOBAL Joel	924-5532	+0
	CURTIF Troy	924-3977	+0
	FISHER Keith	924-3736	+0
	GALANTE Leonard	924-4032	+0
	HAROLDSON Jammye	924-1976	+0
	HLOUSEK Brian P	924-6361	+0
	HOUSE Gary	924-9285	9
	KAMISH Todd	924-4743	+0
	KROPP Beth	924-1561	9
	KWIATKOWSKI Lisa	924-6284	+0
	LATORRE William N	924-7314	9
	MIHALKO Genevie	924-2605	+0
	MORRIS Mark J	924-8733	9
	OLSEN Thomas Ellis	924-3606	9
	PERRY Darrol	924-2360	+0
	ROBERTS Ronald L	924-9618	+0
	SANDERS Dudley	924-9248	+0
	*SUMMER PLACE	924-5757	1
	THOMPSON Glenda	924-5025	8
	VIGAN Carlos	924-1782	+0
	VIGAN Ligaya	924-1782	+0
	WARREN Wm R	924-5256	1
	WEBB Julie	924-4915	+0
	WEBB Larry	924-4915	+0
289			
370	SMITH Donna	924-7063	9
	SMITH Stephen	924-7063	
380	OLIVEIRA David	924-2673	
	OLIVEIRA Kathy	924-2673	
410	XXXX	00	
420	COTTA Rodney	924-8630	7
	GLASS Stephen	924-3883	
	MAIA L H	924-1100	5
430	XXXX	00	
440	BERTAO S	924-3050	+0
	YAMAMURA R	924-4758	4
450	COX William D	924-5556	9
	POWER Roger	924-2851	+0
501	MCGLASSON Don	924-8682	7
511	PRUETT Ernest R Sr	924-9130	+0
521	CHISM H J	924-4448	4
531	XXXX	00	
541	PEREIRA Oliver	924-2236	+0

HAINES & CO., INC.

Target Street	Cross Street	Source
✓	-	Haines Criss-Cross Directory

S 19TH AVE 1990



19TH AV		93245 CONT	
551	XXXX	00	
561	XXXX	00	
581	HENDERSON Ronald Jr	924-2831	8
591	PENA Armando	924-7945	+0
	PENA Janet	924-7945	+0
601	GUILFOIL Sheridan S	924-8380	8
611	DERAAD Robert	924-5745	+0
631	JONES Bob	924-5204	
	JONES Margaret	924-5204	5
640	HALL William C	924-8206	9
660	TOBORG Walter Jr	924-7180	9
662	*LEMOORE BMX	924-7950	7
1490	XXXX	00	
7804	FULLER Ermedean	924-9688	5
7512	BREWER Raymond	924-2491	9
	BREWER Tom	924-7955	5
7605	PIRES Thos	924-8138	2
11157	DAINTY Fred	924-7914	+0
11281	XXXX	00	
11295	AIGNER Richard F	924-3209	
	*RACING UNLIMITED	924-3209	7
11363	MORGENTHAL James H	924-2175	
11495	*CHRIST CH MISSION	924-5067	
	*KINGS CO CMNTY ACTN	924-2908	4
	MACDONALD David Rev	924-6212	9
11531	HERZER Alice	924-5141	
	HERZER James E	924-5141	
	MILLER Steve	924-4298	+0
11551	XXXX	00	
11571	FARPELLA Mary	924-3552	
	FARPELLA Norman	924-3552	
11009	*ANDYS APPLIANCE	924-6387	
	FARPELLA Andrew J	924-5387	
11632	XXXX	00	
11660	XXXX	00	
11679	XXXX	00	
11684	XXXX	00	
11750	*LUCKYS MINI STORAGE	924-2721	6
11780	*C&S DISTRIBUTING CO	924-5304	
12250	LEE Jim	924-3084	
12507	XXXX	00	
12579	COBINE A M	924-5059	
12688	XXXX	00	
12620	XXXX	00	
12622	XXXX	00	
13046	BUMPASS Roger W	924-2073	6
13115	*SHEPPA RDY MX CNCRT	924-1221	2
14228	ROCHA Frank D	924-5517	
15505	XXXX	00	
16020	XXXX	00	
16051	MARTIN Eugene	924-9431	
16502	XXXX	00	
17651	ANACLETO W T	924-2493	
NO #	*LEMOORE ELM SC EGVL	924-5605	
*	11 BUS 112 RES	34 NEW	

Target Street	Cross Street	Source
✓	-	Haines Criss-Cross Directory

IONA AVE 1985

IONA AV 93245 LEMOORE

16631	COSTA RONALD	924-4038	
16221	XXXX	00	
16300	BLAIR AIR SERV INC	924-1276	2
16441	TAYLOR WM RALPH	924-2720	
16455	GARRETT J M	924-2850	7
17117	POTTER GRANT	924-3539	
17151	XXXX	00	
17161	HOTCHKISS HAROLD JR	924-2702	
17169	ABSHIRE ALTON J	924-7112	+5
	POTTER J A	924-7112	+5
17227	HOTCHKISS MAURICE	924-2722	
17241	XXXX	00	
17281	MACHADO JOHN F	924-5606	
17311	ESPINOZA MANUEL	924-4084	
17365	XXXX	00	
17368	CHETS CONCRETE	924-6161	+5
17450	WEDDERBURN LOY	924-4084	
17474	LUMLY ROBERT	924-9136	8
17499	HUFF ERNIE	924-4894	7
17535	GILFRY MASON C	924-2041	
17566	SIEGFRIED A L	924-2704	
17577	YOUNG ENGINEERING	924-6408	6
17668	CHAVEZ SALVADOR	924-9408	0
17693	XXXX	00	
17739	BECK DAVID BUTCH	924-4329	
	BECK GEN BLDG CONTR	924-6755	+5
17815	MAZUKA ASCENSION	924-2229	4
	MAZUKA JULIAN	924-2111	
17833	GEORGIAN PHILIP	924-9080	+5
17860	XXXX	00	
17890	WALMSLEY STEVE R	924-3817	3
17891	XXXX	00	
17931	XXXX	00	
17934	RISK JERRY LT	924-1132	2
17978	XXXX	00	
18102	LEMOORE JET BOWL	924-2538	
18234	KINGS CO RD DIST 1	924-2265	
18326	CLARK DEBBY AGOSTA	924-9267	9
18335	CANNON MOVNG&STORG	924-5328	
18348	XXXX	00	
18355	LAMBERT TRNSFR&STRG	924-5371	
18360	XXXX	00	
18369	GLOBAL VAN LNS AGNT	924-9201	4
	VALLEY MOVING&STRGE	924-9201	6
18481	LEMOORE VAN&STORAGE	924-3314	
18560	CRANE JOHN	924-3654	
18608	BUTLER VIOLA YOUNG	924-4752	9
18615	GARCIA JESSE F	924-1756	3
16620	XXXX	00	
18698	OLIVAS ALBERT F	924-3128	
18730	XXXX	00	
18741	LEMOORE CANAL&IRGTN	924-4788	0
18777	ECONOMY AUTO WRCKN	924-1285	4
18806	XXXX	00	
18855	XXXX	00	
18939	COAST GAS	924-9551	2

* 14 BUS 42 RES 5 NEW

Target Street	Cross Street	Source
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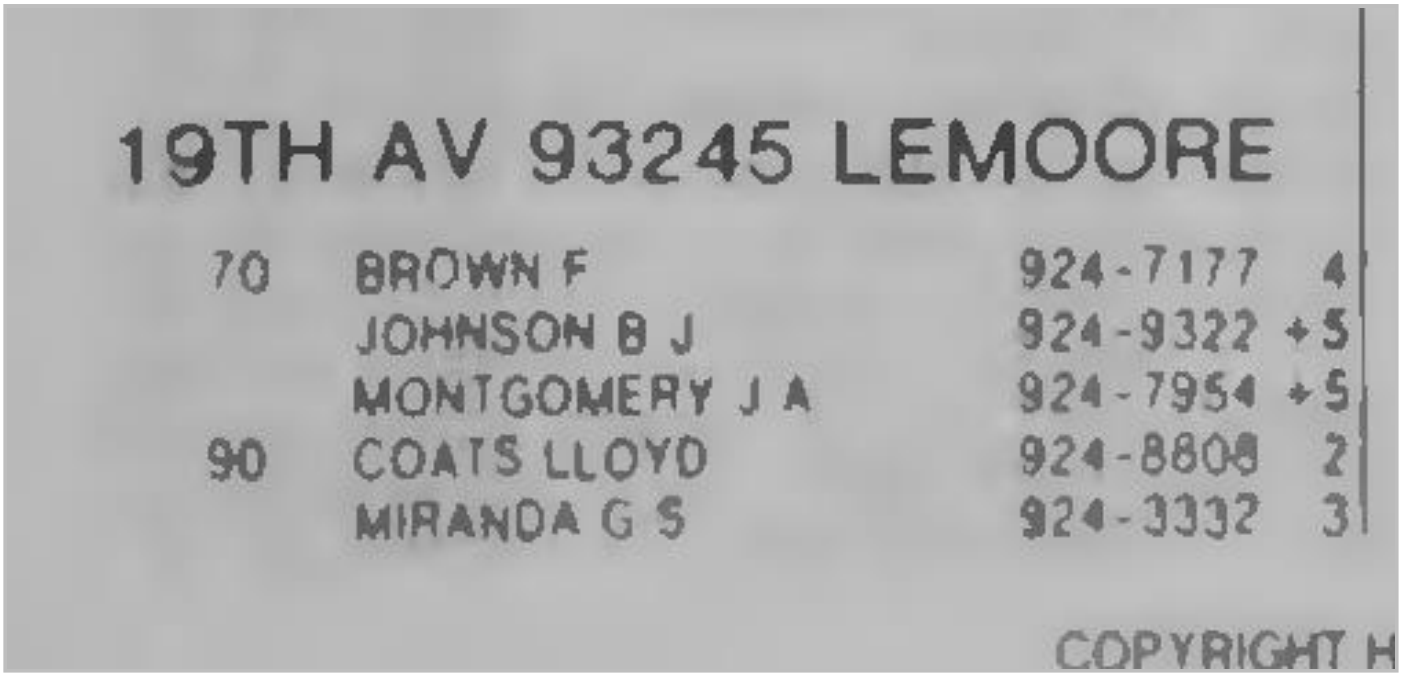
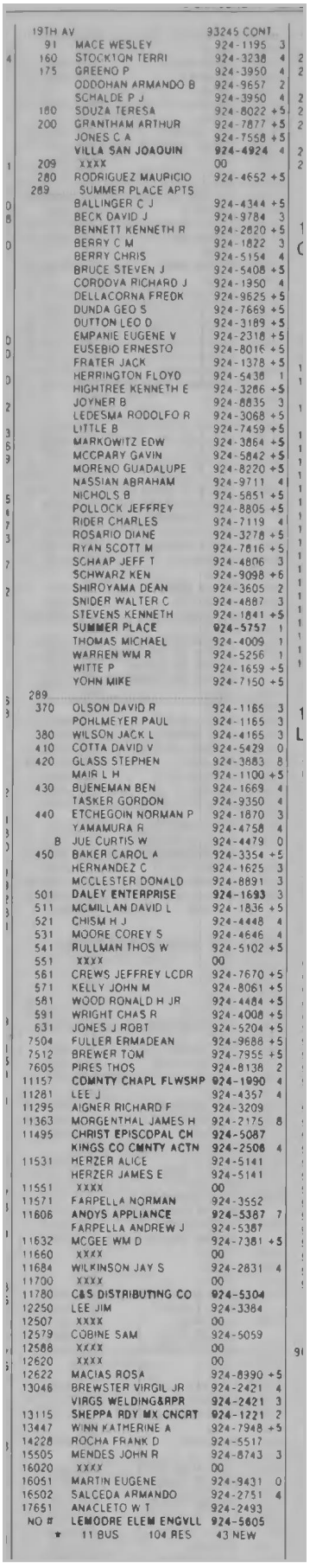
S 19TH AVE 1985



Target Street	Cross Street	Source
✓	-	Haines Criss-Cross Directory

S 19TH AVE 1985



19TH AV 93245 CONT

91	MACE WESLEY	924-1195	3
160	STOCKTON TERRI	924-3238	4
175	GREENO P	924-3950	4
	ODDOHAN ARMANDO B	924-9657	2
	SCHALDE P J	924-3950	4
180	SOUZA TERESA	924-8022	+5
200	GRANTHAM ARTHUR	924-7877	+5
	JONES C A	924-7558	+5
	VILLA SAN JOAQUIN	**924-4924**	4
209	XXXX	00	
280	RODRIGUEZ MAURICIO	924-4652	+5
289	SUMMER PLACE APTS		
	BALLINGER C J	924-4344	+5
	BECK DAVID J	924-9784	3
	BENNETT KENNETH R	924-2820	+5
	BERRY C M	924-1822	3
	BERRY CHRIS	924-5154	4
	BRUCE STEVEN J	924-5408	+5
	CORDOVA RICHARD J	924-1950	4
	DELLACORNA FREDK	924-9625	+5
	DUNDA GEO S	924-7669	+5
	DUTTON LEO D	924-3189	+5
	EMPANIE EUGENE V	924-2318	+5
	EUSEBIO ERNESTO	924-8016	+5
	FRATER JACK	924-1378	+5
	HERRINGTON FLOYD	924-5438	1
	HIGHTREE KENNETH E	924-3266	+5
	JOYNER B	924-8835	3
	LEDESMA RODOLFO R	924-3068	+5
	LITTLE B	924-7459	+5
	MARKOWITZ EDW	924-3864	+5
	MCCRARY GAVIN	924-5842	+5
	MORENO GUADALUPE	924-8220	+5
	NASSIAN ABRAHAM	924-9711	4
	NICHOLS B	924-5851	+5
	POLLOCK JEFFREY	924-8805	+5
	RIDER CHARLES	924-7119	4
	ROSARIO DIANE	924-3278	+5
	RYAN SCOTT M	924-7816	+5
	SCHAAP JEFF T	924-4806	3
	SCHWARZ KEN	924-9098	+6
	SHIROYAMA DEAN	924-3605	2
	SNIDER WALTER C	924-4887	3
	STEVENS KENNETH	924-1841	+5
	SUMMER PLACE	**924-5757**	1
	THOMAS MICHAEL	924-4009	1
	WARREN WM R	924-5256	1
	WITTE P	924-1659	+5
	YOHN MIKE	924-7150	+5
289			
370	OLSON DAVID R	924-1165	3
	POHLMEYER PAUL	924-1165	3
380	WILSON JACK L	924-4165	3
410	COTTA DAVID V	924-5429	0
420	GLASS STEPHEN	924-3883	8
	MAIR L H	924-1100	+5
430	BUENEMAN BEN	924-1669	4
	TASKER GORDON	924-9350	4
440	ETCHEGOIN NORMAN P	924-1870	3
	YAMAMURA R	924-4758	4
B	JUE CURTIS W	924-4479	0
450	BAKER CAROL A	924-3354	+5
	HERNANDEZ C	924-1625	3
	MCCLESTER DONALD	924-8891	3
501	**DALEY ENTERPRISE**	**924-1693**	3
511	MCMILLAN DAVID L	924-1836	+5
521	CHISM H J	924-4448	4
531	MOORE COREY S	924-4646	4
541	RULLMAN THOS W	924-5102	+5
551	XXXX	00	
561	CREWS JEFFREY LCDR	924-7670	+5
571	KELLY JOHN M	924-8061	+5
581	WOOD RONALD H JR	924-4484	+5
591	WRIGHT CHAS R	924-4008	+5
631	JONES J ROBT	924-5204	+5
7504	FULLER ERMADEAN	924-9688	+5
7512	BREWER TOM	924-7955	+5
7605	PIRES THOS	924-8138	2
11157	**COMNTY CHAPL FLWSHP**	**924-1990**	4
11281	LEE J	924-4357	4
11295	AIGNER RICHARD F	924-3209	
11363	MORGENTHAL JAMES H	924-2175	8
11495	**CHRIST EPISCOPAL CH**	**924-5087**	
	KINGS CO CMNTY ACTN	**924-2506**	4
11531	HERZER ALICE	924-5141	
	HERZER JAMES E	924-5141	
11551	XXXX	00	
11571	FARPELLA NORMAN	924-3552	
11606	**ANDYS APPLIANCE**	**924-5387**	7
	FARPELLA ANDREW J	924-5387	
11632	MCGEE WM D	924-7381	+5
11660	XXXX	00	
11684	WILKINSON JAY S	924-2831	4
11700	XXXX	00	
11780	**C&S DISTRIBUTING CO**	**924-5304**	
12250	LEE JIM	924-3384	
12507	XXXX	00	
12579	COBINE SAM	924-5059	
12588	XXXX	00	
12620	XXXX	00	
12622	MACIAS ROSA	924-8390	+5
13046	BREWSTER VIRGIL JR	924-2421	4
	VIRGS WELDING&RPR	**924-2421**	3
13115	**SHEPPA RDY MX CNCRT**	**924-1221**	2
13447	WINN KATHERINE A	924-7948	+5
14228	ROCHA FRANK D	924-5517	
15505	MENDES JOHN R	924-8743	3
16020	XXXX	00	
16051	MARTIN EUGENE	924-9431	0
16502	SALCEDA ARMANDO	924-2751	4
17651	ANACLETO W T	924-2493	
NO #	**LEMOORE ELEM ENGVLL**	**924-5605**	

* 11 BUS 104 RES 43 NEW

Target Street	Cross Street	Source
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IONA AVE 1980

IONA AV 93245 LEMOORE

16031	COSTA RONALD	924-4038	
16221	BANEGAS GEO CONTR	924-3904	3
16300	DUTY AVIATION	924-2215	7
16441	TAYLOR WM RALPH	924-2720	
16455	GARRETT J M	924-2850	7
17117	POTTER GRANT	924-3539	
17151	XXXX	00	
17181	HOTCHKISS HAROLD JR	924-2702	
17189	HOTCHKISS HAROLD A	924-2760	
17227	HOTCHKISS MAURICE	924-2722	3
17241	MAJORS S A	924-8489	9
17281	MACHADO JOHN F	924-5506	
17311	ESPINOZA MANUEL	924-4084	
17365	XXXX	00	
17368	WEST DORTHY M	924-4146	5
17450	WEDDERBURN LOY C	924-4004	3
17474	LUMLY ROBERT	924-9136	8
17499	HUFF ERNIE	924-4894	7
17535	GILFRY MASON C	924-2041	
17566	SIEGFRIED A L	924-2704	3
17577	YOUNG ENGINEERING	924-8408	6
17668	CHAVEZ SALVADOR	924-9408	+0
17693	XXXX	00	
17739	BECK DAVID BUTCH	924-4329	
17815	GOLDEN HAIR PIN THE	924-9509	3
	MAZUKA JULIAN	924-2111	3
17833	XXXX	00	
17860	GARCIA JOHN	924-5890	+0
17890	WAHL L C	924-4976	9
17891	XXXX	00	
17931	VICKERS JAMES	924-8183	8
17934	ADAMS EDIE	924-3592	+0
	ADAMS ORLAND I	924-3592	+0
	NEO LIFE DISTR	924-3592	+0
17978	XXXX	00	
18102	LEMOORE JET BOWL	924-2536	
18234	KINGS CO RD DIST 1	924-2265	3
18326	CLARK WILLIAM	924-9267	9
18335	CANNON MOVNG&STORG	924-5328	
18348	BETTENCOURT L	924-5910	+0
18355	LAMBERT TRNSFR STRG	924-5371	
18360	XXXX	00	
18369	VALLEY MOVING&STRGE	924-9201	6
18481	LEMOORE VAN&STORAG	924-3314	3
18483	XXXX	00	
18485	XXXX	00	
18491	STROLES MOVING&STRG	924-5222	3
18493	B&R TRANSFER&STRGE	924-3111	3
18511	XXXX	00	
18560	CRANE JOHN	924-3654	
18608	BUTLER VIOLA YOUNG	924-4752	9
18615	GARCIA LEO	924-9783	7
18620	BASSHAM E C	924-3313	
18698	OLIVAS ALBERT F	924-3128	
18730	XXXX	00	
18741	LEMOORE CANL&IRRGTN	924-4788	+0
18806	XXXX	00	
18855	XXXX	00	
18939	ABBOTTS OIL CO	924-9551	+0
	FOX LEMOORE CAS SRV	924-9551	+0

* 18 BUS 42 RES 9 NEW

Target Street	Cross Street	Source
✓	-	Haines Criss-Cross Directory

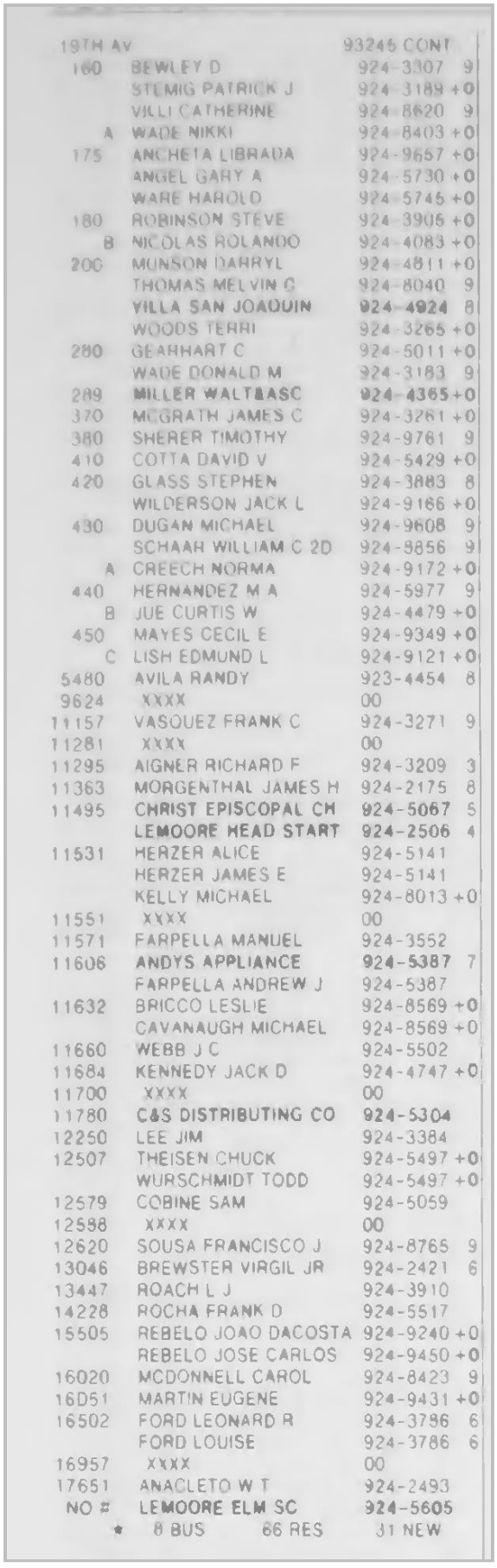
S 19TH AVE 1980

19TH AV 93245 LEMOORE

70	APARTMENTS	
	CHRISTIE CONSTR CO	924-9368 +0
	CHRISTIE RONALD R	924-3036 +0
	DRENNEN BILL	924-3687 7
	HULL MARVIN W	924-8216 +0
	OLIVEIRA PAUL	924-8144 9
C	ROSS R J	924-5713 9
70		
90	VASIL E M	924-8218 +0

Target Street	Cross Street	Source
✓	-	Haines Criss-Cross Directory

S 19TH AVE 1980



19TH AV 93245 CONT

160	BEWLEY D	924-3307 9
	STEMIG PATRICK J	924-3189 +0
	VILLI CATHERINE	924-8620 9
A	WADE NIKKI	924-8403 +0
175	ANCHETA LIBRADA	924-9657 +0
	ANGEL GARY A	924-5730 +0
	WARE HAROLD	924-5745 +0
180	ROBINSON STEVE	924-3905 +0
B	NICOLAS ROLANDO	924-4083 +0
200	MUNSON DARRYL	924-4811 +0
	THOMAS MELVIN C	924-8040 9
	VILLA SAN JOAQUIN	924-4924 8
	WOODS TERRI	924-3265 +0
280	GEARHART C	924-5011 +0
	WADE DONALD M	924-3183 9
289	MILLER WALT&ASC	924-4365 +0
370	MCGRATH JAMES C	924-3261 +0
380	SHERER TIMOTHY	924-9761 9
410	COTTA DAVID V	924-5429 +0
420	GLASS STEPHEN	924-3883 8
	WILDERSON JACK L	924-9166 +0
430	DUGAN MICHAEL	924-9608 9
	SCHAAH WILLIAM C 2D	924-8856 9
A	CREECH NORMA	924-9172 +0
440	HERNANDEZ M A	924-5977 9
B	JUE CURTIS W	924-4479 +0
450	MAYES CECIL E	924-9349 +0
C	LISH EDMUND L	924-9121 +0
5480	AVILA RANDY	923-4454 8
9624	XXXX	00
11157	VASQUEZ FRANK C	924-3271 9
11281	XXXX	00
11295	AIGNER RICHARD F	924-3209 3
11363	MORGENTHAL JAMES H	924-2175 8
11495	CHRIST EPISCOPAL CH	924-5067 5
	LEMOORE HEAD START	924-2506 4
11531	HERZER ALICE	924-5141
	HERZER JAMES E	924-5141
	KELLY MICHAEL	924-8013 +0
11551	XXXX	00
11571	FARPELLA MANUEL	924-3552
11606	ANDYS APPLIANCE	924-5387 7
	FARPELLA ANDREW J	924-5387
11632	BRICCO LESLIE	924-8569 +0
	CAVANAUGH MICHAEL	924-8569 +0
11660	WEBB J C	924-5502
11684	KENNEDY JACK D	924-4747 +0
11700	XXXX	00
11780	C&S DISTRIBUTING CO	924-5304
12250	LEE JIM	924-3384
12507	THEISEN CHUCK	924-5497 +0
	WURSCHMIDT TODD	924-5497 +0
12579	COBINE SAM	924-5059
12588	XXXX	00
12620	SOUSA FRANCISCO J	924-8765 9
13046	BREWSTER VIRGIL JR	924-2421 6
13447	ROACH L J	924-3910
14228	ROCHA FRANK D	924-5517
15505	REBELO JOAO DACOSTA	924-9240 +0
	REBELO JOSE CARLOS	924-9450 +0
16020	MCDONNELL CAROL	924-8423 9
16D51	MARTIN EUGENE	924-9431 +0
16502	FORD LEONARD R	924-3786 6
	FORD LOUISE	924-3786 6
16957	XXXX	00
17651	ANACLETO W T	924-2493
NO #	LEMOORE ELM SC	924-5605

* 8 BUS 66 RES 31 NEW

Target Street	Cross Street	Source
✓	-	Haines Criss-Cross Directory

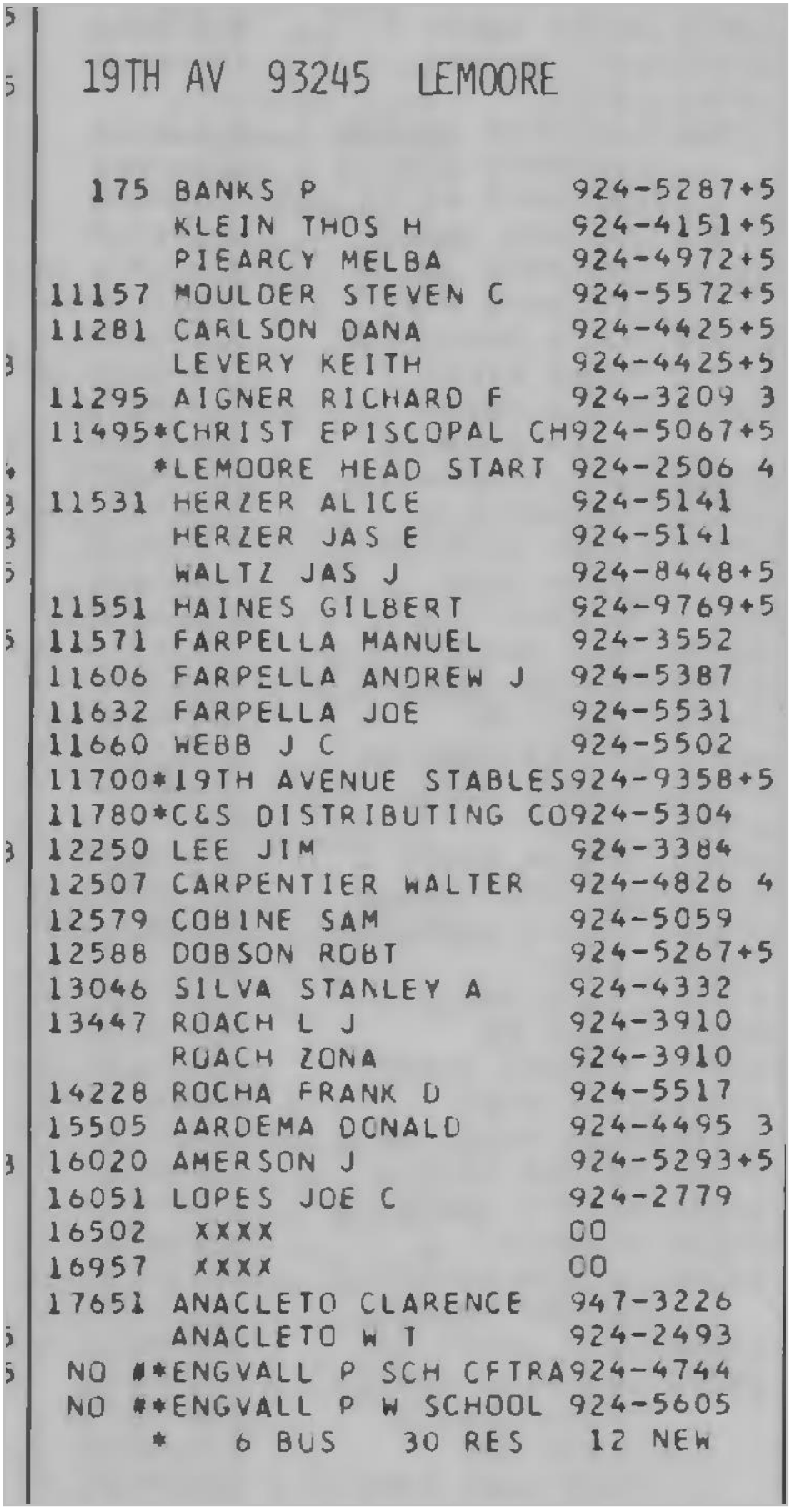
IONA AVE 1975

IONI AV 93245 LEMOORE

16031	COSTA RONALD	924-4038	
16221	*BANEGAS G CMNT CNTR	924-3904	3
	BANEGAS ROBERTA	924-4235	4
16300	*COLLINS AVIATION	924-2215	3
16441	TAYLOR WM RALPH	924-2720	
16455	XXXX	00	
17117	POTTER GRANT	924-3539	
17151	BARKER A	924-3141	4
	MERCER GERALD W	924-5766	4
17181	HOTCHKISS HAROLD JR	924-2702	
17189	HOTCHKISS HAROLD A	924-2760	
17227	HOTCHKISS MAURICE	924-2722	3
17241	RICHWINE JOE B	924-3649	+5
17281	MACHADO JOHN F	924-5506	
17311	ESPINOZA MANUEL	924-4084	
17365	FRAGA JOS L JR	924-4512	
17368	WEST DORTHY M	924-4146	+5
17450	WEDDERBURN LOY C	924-4004	3
17474	FALKNER H H	924-4313	
17535	GILFRY MASON C	924-2041	
17566	SIEGFRIED A L	924-2704	3
17668	DELREAL KATHERINE	924-4026	+5
17739	BECK DAVID BUTCH	924-4329	
17815	*GOLDEN HAIR PIN THE	924-9509	3
	MAZUKA JULIAN	924-2111	3
17833	XXXX	00	
17860	MARTIN JIMMY	924-3580	
17890	KENNEY JAS A	924-3700	+5
17891	PUCKETT R N	924-4105	
17931	GURULE STEVE J	924-4280	+5
17978	LEIFRIED ROBT	924-4674	
18102	*LEMOORE JET BOWL	924-2536	
18234	*KINGS COUNTY ROAD 1	924-2265	3
18326	BETTENCOURT L	924-4150	
18335	*CANNON MOVNG&STORGE	924-5328	
	*GREYHND VN LNS AGCY	924-5371	
	*LAMBERT TRNSFR&STRG	924-5371	
	*VALLEY MVNG&STORAGE	924-9201	
18348	HARTLEY CAROL	924-2784	+5
18360	CLARK WM J	924-8104	+5
18481	*LEMOORE VAN&STORAGE	924-3314	3
18483	*A A 1 MOVING&STRGE	924-3434	3
	*ALLIED VAN LNS AGCY	924-3434	3
18485	XXXX	00	
18491	*GLOBAL VAN LINE AGC	924-5222	+5
	*STROLES MOVING&STRG	924-5222	3
18493	*B&R TRANSFER&STRGE	924-3111	3
18511	GARCIA DELFINA	924-5942	3
18560	CRANE JOHN	924-3654	
18608	CRANE EDDIE	924-4283	
	GARCIA JOE F	924-4288	4
18615	GARCIA LEO	924-5737	4
18620	BASSHAM B C	924-3313	
18698	OLIVAS ALBERT F	924-3128	
18730	HUTCHISON HUSTON	924-3081	
18806	XXXX	00	
18939	*LEMOORE BUTANE SERV	924-4046	
	* 16 BUS 41 RES 8 NEW		

Target Street	Cross Street	Source
✓	-	Haines Criss-Cross Directory

S 19TH AVE 1975



19TH AV 93245 LEMOORE

175	BANKS P	924-5287+5
	KLEIN THOS H	924-4151+5
	PIEARCY MELBA	924-4972+5
11157	MOULDER STEVEN C	924-5572+5
11281	CARLSON DANA	924-4425+5
	LEVERY KEITH	924-4425+5
11295	AIGNER RICHARD F	924-3209 3
11495	*CHRIST EPISCOPAL CH	924-5067+5
	*LEMOORE HEAD START	924-2506 4
11531	HERZER ALICE	924-5141
	HERZER JAS E	924-5141
	WALTZ JAS J	924-8448+5
11551	HAINES GILBERT	924-9769+5
11571	FARPELLA MANUEL	924-3552
11606	FARPELLA ANDREW J	924-5387
11632	FARPELLA JOE	924-5531
11660	WEBB J C	924-5502
11700	*19TH AVENUE STABLES	924-9358+5
11780	*C&S DISTRIBUTING CO	924-5304
12250	LEE JIM	924-3384
12507	CARPENTIER WALTER	924-4826 4
12579	COBINE SAM	924-5059
12588	DOBSON ROBT	924-5267+5
13046	SILVA STANLEY A	924-4332
13447	ROACH L J	924-3910
	ROACH ZONA	924-3910
14228	ROCHA FRANK D	924-5517
15505	AARDEMA DONALD	924-4495 3
16020	AMERSON J	924-5293+5
16051	LOPES JOE C	924-2779
16502	XXXX	OO
16957	XXXX	OO
17651	ANACLETO CLARENCE	947-3226
	ANACLETO W T	924-2493
NO #	*ENGVALL P SCH CFTRA	924-4744
NO #	*ENGVALL P W SCHOOL	924-5605

* 6 BUS 30 RES 12 NEW

USER QUESTIONNAIRE

USER QUESTIONNAIRE

ASTM E 1527-13

(1) Environmental cleanup liens that are filed or recorded against the site (40 CFR 312.25)

Are you aware of any environmental cleanup liens against the property that are filed or recorded under federal, tribal, state or local law? No

(2) Activity and land use limitations that are in place on the site or that have been filed or recorded in a registry (40 CFR 312.26).

Are you aware of any AULs such as engineering controls, land use restrictions or institutional controls that are in place at the site and/or have been filed or recorded in a registry under federal, tribal, state or local law?

No

(3) Specialized knowledge or experience of the person seeking to qualify for the LLP (40 CFR 312.28)

As the user of the ESA do you have any specialized knowledge or experience related to the property or nearby properties? For example are you involved in the same line of business as the current or former occupants of the property or an adjoining property so that you would have specialized knowledge of the chemicals and processes used by this type of business? No

(4) Relationship of the purchase price to the fair market value of the property if it were not contaminated (40 CFR 312.29)

Does the purchase price being paid for this property reasonably reflect the fair market value of the property? If you conclude that there is a difference, have you considered whether the lower purchase price is because contamination is known or believed to be present at the property? Yes

(5) Commonly known or reasonably ascertainable information about the property (40 CFR 312.29)

Are you aware of commonly known or reasonably ascertainably information about the property that would help the environmental professional to identify conditions indicative of releases or threatened releases? For example, as user,

(a) Do you know the past uses of the property? No

(b) Do you know of specific chemicals that are present or once were present at the property?
No

(c) Do you know of spills or other chemical releases that have taken place at the property?
No

(d) Do you know of any environmental cleanups that have taken place at the property?
No

(5) The degree of obviousness of the presence or likely presence of contamination at the property and the ability to detect the contamination by appropriate investigation (40 CFR 312.31)

As the user of the ESA, based on your knowledge and experience related to the property are there any obvious indicators that point to the presence or likely presence of contamination at the property? No

Completed by: Lindsay Kiernan

Date: 12.28.22

Acronyms and Definitions

AUL Activity and Use Limitations

CFR Code of Federal Regulations

ESA Environmental Site Assessment

Engineering Controls

Physical modifications to a site or facility (for example, capping, slurry walls, or point of use water treatment) to reduce or eliminate the potential for exposure to hazardous substances or petroleum products in the soil or groundwater on the property. Engineering controls are a type of activity and use limitation.

Institutional Controls

A legal or administrative restriction (for example, "deed restrictions" restrictive covenants, easements, or zoning) on the use of, or access to, a site or facility to (1) reduce or eliminate potential exposure to hazardous substances or petroleum products in the soil or groundwater on the property, or (2) to prevent activities that could interfere with effectiveness of a response action, in order to ensure maintenance of a conditions of no significant risk to public health or the environment. An institutional control is a type of activity and use limitation.

User

The part seeking to use Practice E 1527-13 to complete an environmental site assessment of the property. A user may include, without limitation, a potential purchaser of property, a potential tenant of the property, an owner of property, a lender, or a property manager. The user has specific obligations for completing a successful application of the practice as outlined in Section 6.

INTERVIEW QUESTIONNAIRE

RMA GeoScience
Every Project Matters | www.rmacompanies.com

INTERVIEW QUESTIONNAIRE
ASTM E 1527-13

In accordance with Sections 10 and 11 of the Standard Practice for Phase I Environmental Site Assessments (ESA); Designation E1527-13 the environmental professional shall address questions to be asked of past and present owners, operators, and occupants of the property.

We ask that you complete the following questions to the best of your knowledge and return it to us at your earliest convenience for inclusion in the Phase I ESA.

1. Is there litigation or administrative proceedings relevant to hazardous substances or petroleum products? No

2. Are you aware of the existence of structures on site in the past? No
   If so, was there asbestos containing building materials in the structure? _____

3. Are there or has there ever been chemicals, pesticides or herbicides used, mixed or formulated onsite?
   Not to my knowledge
   If so, what types? _____
   Storage areas: _____

4. Are there or has there ever been above ground or underground storage tanks at the site? No
   Location _____
   Contents _____
   Permits _____

5. Have any solid or liquid waste been disposed of, treated or neutralized onsite? No
   If so, what types _____
   Permits _____

6. Have there been any spills, leaks or other releases of chemicals onsite? Not to my. Knowledge
   What chemicals? _____
   Quantity _____
   Cleanup measures? _____
   Are there any enforcement actions pending against the property? _____

7. Are you aware of any past uses of the subject site such as agricultural or commercial usage? Yes
   Agriculture

Completed by: Kevin King

Date: 12/28/2022

RMA GeoScience
Every Project Matters | www.rmacompanies.com

INTERVIEW QUESTIONNAIRE
ASTM E 1527-13

In accordance with Sections 10 and 11 of the Standard Practice for Phase I Environmental Site Assessments (ESA); Designation E1527-13 the environmental professional shall address questions to be asked of past and present owners, operators, and occupants of the property.

We ask that you complete the following questions to the best of your knowledge and return it to us at your earliest convenience for inclusion in the Phase I ESA.

1. Is there litigation or administrative proceedings relevant to hazardous substances or petroleum products? Not aware of any

2. Are you aware of the existence of structures on site in the past? No
   If so, was there asbestos containing building materials in the structure?

3. Are there or has there ever been chemicals, pesticides or herbicides used, mixed or formulated onsite?
   Not aware of any
   If so, what types?
   Storage areas:

4. Are there or has there ever been above ground or underground storage tanks at the site?
   Location **Not aware**
   Contents **Not aware**
   Permits **Not aware**

5. Have any solid or liquid waste been disposed of, treated or neutralized onsite? **Not aware**
   If so, what types
   Permits

6. Have there been any spills, leaks or other releases of chemicals onsite? **Not aware**
   What chemicals?
   Quantity
   Cleanup measures?
   Are there any enforcement actions pending against the property?

7. Are you aware of any past uses of the subject site such as agricultural or commercial usage?
   Not aware

Completed by: Lindsay Kiernan

Date: 12.28.22

RECORD REQUESTS AND RESPONSES

From: Marisa Avalos
To: Jim Vue
Subject: RE: public records request
Date: Thursday, January 5, 2023 11:35:07 AM
Attachments: image001.png

Good Morning,

The City of Lemoore has no records for the address listed.

Thank you,

Marisa Avalos
City Clerk / Executive Assistant

711 W. Cinnamon Drive
Lemoore, CA 93245
559.924.6744 ext. 700

From: Jim Vue <jvue@rmageoscience.com>
Sent: Tuesday, December 27, 2022 3:09 PM
To: City Clerk <cityclerk@lemoore.com>
Subject: public records request

Hello,

Attached is the public records request form.

Thank you,
Jim Vue, GIT
Staff Geologist
RMA GeoScience, Inc.
3897 North Ann Avenue
Fresno, CA 93727
559.708.8865 | 559.228.9488 fax
www.rmageoscience.com

ENGINEERING GEOLOGY
GEOTECHNICAL ENGINEERING
ENVIRONMENTAL ENGINEERING
CONSTRUCTION SERVICES

For Department Use

Date Received: _____

Due Date: _____

Referred To: _____

Date Completed: _____

REQUEST FOR PUBLIC RECORDS

In compliance with the California Public Records Act, Government Code §§6250-6277, the City of Lemoore is required to provide members of the public, upon request, any information relating to the conduct of the public's business that is prepared, owned, used or retained by the City of Lemoore, regardless of physical form or characteristics.

Records that are exempt under the Public Records Act will not be available to the public.

Instructions

Type or print all information completely. Your request will be processed within ten (10) calendar days. If, due of the nature of the request, it is not possible to furnish the information that you have requested within ten (10) days, you will be notified within the ten-day processing period.

(Note: Applicable fees will be charged for all documents copied)

Name: Jim Vue

Todays Date: 12-27-2022

Address: 3897 North Ann Avenue

Telephone: (559)_____

Fresno, CA 93727
(Include Zip Code)

Email: jvue@rmageoscience.com

Document(s) requested (e.g., agreements, minutes, ordinance, resolutions, fire reports, investigation reports). Include subject, date of origination etc.

Building records/permits/applications for 18806 Iona Avenue, Lemoore, CA

☑ I would like to view the document(s) requested

☐ I would like _____ hard copies of the document(s) requested ☑ Send to me by **mail** ☐ Pick up in **person**

☑ I would like documents sent via email (If possible)

Signature Jim Vue

Return completed form to: City Clerk – City of Lemoore

Mail: City of Lemoore
711 West Cinnamon Drive
Lemoore, CA 93245

Email: cityclerk@lemoore.com
Fax: (559) 924-9003

"In God We Trust"

From: Jim Vue
To: Linda.Paz@co.kings.ca.us
Cc: Ambriz, Leticia; lopez@co.kings.ca
Subject: PRRs
Date: Tuesday, December 27, 2022 3:24:00 PM
Attachments: 2022 PRR.pdf

Hello all,

Attached is the PRR.

Thank you,
Jim Vue, GIT
Staff Geologist
RMA GeoScience, Inc.
3897 North Ann Avenue
Fresno, CA 93727
559.708.8865 | 559.228.9488 fax
www.rmageoscience.com

ENGINEERING GEOLOGY
GEOTECHNICAL ENGINEERING
ENVIRONMENTAL ENGINEERING
CONSTRUCTION SERVICES

Kings County
Department of Public Health
A Healthy Place to Live, Work, & Play

Rose Mary Rahn
Director

Milton Teske, M.D.
Health Officer

To promote and protect the health and well-being of Kings County residents through education, prevention, and intervention.

REQUEST FOR PUBLIC RECORDS

I, the undersigned, request to view certain specified records in the possession of this agency which is described below. I understand that some records are exempted from disclosure in accordance with various Federal and State laws, including the California Public Records Act. Examples of some exempted records include trade secrets, personnel and medical files, and records of complaints to or investigations by this agency such as names of confidential informants.

Describe records and specify copies requested in as much detail as possible: (i.e., business name, address, type of record desired, etc.)

Looking for CUPA records for the following

FA0000233, FA0004459, FA0000248, FA0003172, and FA0002876

and also for APN: 023-310-012 / Address:18806 Iona Avenue in Lemoore, CA

Jim Vue	RMA GeoScience
Name (Please Print)	**Organization**
3897 North Ann Avenue, Fresno, CA 93727	559-708-8865
Address/City/Zip	**Phone Number/Fax**
jvue@rmageoscience.com	12-27-2022
Email	**Date**
Date of Arrival	**Signature**

****

OFFICE USE ONLY

Notes:_____

No. of Copies:_____ Fee Paid:$_____ Receipt No:_____ Authorized By & Date:_____

H:\AWEHS\FORMS\APPLICATIONS\Request for public records 10/23/2019

From: Hommerding, Troy
To: Jim Vue
Subject: Emailing: PRR Jim Vue
Date: Thursday, January 5, 2023 10:56:21 AM
Attachments: PRR Jim Vue.zip

Jim for your records request please see the attached.

For address 18806 Iona Ave., Lemoore CA, our office does not have any records.

For FA0000233 & FA0004459 PG&E Lemoore Service Center 980 19th Ave Lemoore these seem to be the same site in our database; CERS ID 1014744 has been inactivated. A phone call to Traci Dhindsa from PG&E indicated all hazardous materials stored onsite have been removed to another location.

Troy Hommerding, Division Manager
Kings County Department of Public Health
Division of Environmental Health Services
330 Campus Drive | Hanford, CA | 93230
Phone: (559) 852-2627 | Fax: (559) 584-6040
www.countyofkings.com/ehs

DOCUMENTS AND REPORTS

County of Kings - Department of Public Health
Environmental Health Serivces Division
330 Campus Drive Hanford, CA 93230
Phone - 559-584-1411 Fax - 559-584-6040
Internet - www.countyofkings.com/health/ehs

CUPA PROGRAM INSPECTION REPORT/NOTICE TO COMPLY

FACILITY NAME:	OWNER NAME:	FACILITY ID#:	DATE:
PACIFIC GAS & ELECTRIC COMPANY	PACIFIC GAS & ELECTRIC COMPA	FA0000233	June 08, 2009
FACILITY SITE ADDRESS:	**BUSINESS PHONE:**	**INSPECTION TYPE:**	**INSPECTOR:**
980 19TH AVE LEMOORE, CA 93245	(559) 924-8105	ROUTINE INSPECTION	Liliana Stransky - REHS

An inspection of your facility revealed the following violations of the California Health and Safety Code and/or California Code of Regulations. A reinspection may occur at any time to verify correction of these violations. Please note the date for correction as listed per violation.

2101 HAZARDOUS MATERIALS BUSINESS PLANS - PR0000889

Inspection Violations

Inspector Comments: Inspection Conducted, no violations noted

General Comments and Observations:

Routine inspection conducted today. All contact information and chemical inventory was reviewed with Michael Martin. No changes were noted at this time.
Traning records are kept on file for the site staff.

Received By:

Liliana Stransky - REHS

Environmental Health Officer
UST Inspector ICC Certification # - 5266806-UI

County of Kings - Department of Public Health
Environmental Health Serivces Division
330 Campus Drive Hanford, CA 93230
Phone - 559-584-1411 Fax - 559-584-6040
Internet - www.countyofkings.com/health/ehs

CUPA PROGRAM INSPECTION REPORT/NOTICE TO COMPLY

FACILITY NAME:	OWNER NAME:	FACILITY ID#:	DATE:
COAST GAS - LEMOORE	TITAN PROPANE LLC	FA0000248	October 25, 2006
FACILITY SITE ADDRESS:	**BUSINESS PHONE:**	**INSPECTION TYPE:**	**INSPECTOR:**
1139 W IONA AVE LEMOORE, CA 93230	(559) 924-5551	ROUTINE INSPECTION	Yatee Patel

An inspection of your facility revealed the following violations of the California Health and Safety Code and/or California Code of Regulations. A reinspection may occur at any time to verify correction of these violations. Please note the date for correction as listed per violation.

HAZARDOUS MATERIALS BUSINESS PLANS - PR0000899

Inspection Violations

BUSINESS PLAN NOT CURRENT AND AVAILABLE **Correct by 11/24/2006** **In Compliance 10/25/2006**
[HSC 25503.5, TITLE 19 CCR 2729]

Inspector Comments: Emergency contact information has changed. Update business identification information as needed and let our department know of any changes within 30 days.

General Comments: Current business identification and chemical inventory information was reviewed with the owner during the inspection. All information submitted is current and correct at this time.

Received by: _____
Signature

Yatee Patel
Environmental Health Officer

County of Kings - Department of Public Health
Environmental Health Serivces Division
330 Campus Drive Hanford, CA 93230
Phone - 559-584-1411 Fax - 559-584-6040
Internet - www.countyofkings.com/health/ehs

CUPA PROGRAM INSPECTION REPORT/NOTICE TO COMPLY

FACILITY NAME:	OWNER NAME:	FACILITY ID#:	DATE:
COAST GAS - LEMOORE	Ameri Gas	FA0000248	June 10, 2014
FACILITY SITE ADDRESS:	**BUSINESS PHONE:**	**INSPECTION TYPE:**	**INSPECTOR:**
1139 W IONA AVE LEMOORE, CA 93245	(559) 760-3157	ROUTINE INSPECTION	Lee Johnson - REHS

An inspection of your facility revealed the following violations of the California Health and Safety Code and/or California Code of Regulations. A reinspection may occur at any time to verify correction of these violations. Please note the date for correction as listed per violation.

2101 HAZARDOUS MATERIALS BUSINESS PLANS - PR0000899

Inspection Violations

Inspector Comments: Inspection Conducted, no violations noted

General Comments and Observations:

Plan is current and on line. Please upload Emergency Response Plan as well. Thank you.

Receive

Lee Johnson - REHS

Environmental Health Officer
UST Inspector ICC Certification # - {EMI5268611-UI

County of Kings - Department of Public Health
Environmental Health Serivces Division
330 Campus Drive Hanford, CA 93230
Phone - 559-584-1411 Fax - 559-584-6040
Internet - www.countyofkings.com/health/ehs

CUPA PROGRAM INSPECTION REPORT/NOTICE TO COMPLY

FACILITY NAME:	OWNER NAME:	FACILITY ID#:	DATE:
CEMEX CONSTRUCTION MATERIALS, PACIFIC LLC	CEMEX CONSTRUCTION MATERIALS	FA0002876	September 28, 2015
FACILITY SITE ADDRESS:	**BUSINESS PHONE:**	**INSPECTION TYPE:**	**INSPECTOR:**
1000 S 19th AVE LEMOORE, CA 93245	(559) 925-8759	ROUTINE INSPECTION	Veronica Ochoa -REHS

An inspection of your facility revealed the following violations of the California Health and Safety Code and/or California Code of Regulations. A reinspection may occur at any time to verify correction of these violations. Please note the date for correction as listed per violation.

1901 ABOVEGROUND PETROLEUM STORAGE TANK - PR0007321

Inspection Violations

Inspector Comments: Inspection Conducted, no violations noted

General Comments and Observations:

The facility's SPCC plan was available for review. This plan was written and signed by a professional engineer on June 2013; however, minor changes (contact information) was modified by the facility's Environmental Staff in September 2015. The facility's petroleum based products were observed properly contained.

Received By:

Veronica Ochoa -REHS

Environmental Health Officer

County of Kings - Department of Public Health
Environmental Health Serivces Division
330 Campus Drive Hanford, CA 93230
Phone - 559-584-1411 Fax - 559-584-6040
Internet - www.countyofkings.com/health/ehs

CUPA PROGRAM INSPECTION REPORT/NOTICE TO COMPLY

FACILITY NAME:	OWNER NAME:	FACILITY ID#:	DATE:
CEMEX CONSTRUCTION MATERIALS, PACIFIC LLC	CEMEX CONSTRUCTION MATERIALS	FA0002876	January 05, 2011
FACILITY SITE ADDRESS:	**BUSINESS PHONE:**	**INSPECTION TYPE:**	**INSPECTOR:**
1000 S 19th AVE LEMOORE, CA 93245	(559) 925-8759	ROUTINE INSPECTION	Luis Flores

An inspection of your facility revealed the following violations of the California Health and Safety Code and/or California Code of Regulations. A reinspection may occur at any time to verify correction of these violations. Please note the date for correction as listed per violation.

2101 HAZARDOUS MATERIALS BUSINESS PLANS - PR0006367

Inspection Violations

Inspector Comments: Inspection Conducted, no violations noted

General Comments and Observations:

The facility environmental manager provided a complete update of the existing HMBP. However, the following changes are requested on the update:

1. Utilize aerial photography with a chemical inventory overlay for a site as opposed to the computerized drawing.
2. Provide the chemical name for the facility inventory rather than the common name on the inventory log sheet.
3. Include the trainers name on Health and Safety training sessions. Refresher training is being provided annually.

Submit the changes to this Department within 30 days of today's date.

2212 HAZARDOUS WASTE GENERATOR (SQG <5TONS) - PR0006368

Inspection Violations

Inspector Comments: Inspection Conducted, no violations noted

General Comments and Observations:

Evergreen Environmental provides quarterly collection. Receipts are being maintained onsite for verification.

1900 ABOVEGROUND PETROLEUM STORAGE TANK - PR0007321

Inspection Violations

Inspector Comments: Inspection Conducted, no violations noted

General Comments and Observations:

The facility has an SPCC plan onsite. The plan was developed in 2006. The plan requires a 5-year review by November 2011. No submittal to this Department of this plan is required.

County of Kings - Department of Public Health
Environmental Health Serivces Division
330 Campus Drive Hanford, CA 93230
Phone - 559-584-1411 Fax - 559-584-6040
Internet - www.countyofkings.com/health/ehs

CUPA PROGRAM INSPECTION REPORT/NOTICE TO COMPLY

FACILITY NAME:	OWNER NAME:	FACILITY ID#:	DATE:
CEMEX CONSTRUCTION MATERIALS, PACIFIC LLC	CEMEX CONSTRUCTION MATERIALS	FA0002876	January 05, 2011
FACILITY SITE ADDRESS:	**BUSINESS PHONE:**	**INSPECTION TYPE:**	**INSPECTOR:**
1000 S 19th AVE LEMOORE, CA 93245	(559) 925-8759	ROUTINE INSPECTION	Luis Flores

Brian R. Martin

Received By:

Luis Flores

Environmental Health Officer

County of Kings - Department of Public Health
Environmental Health Serivces Division
330 Campus Drive Hanford, CA 93230
Phone - 559-584-1411 Fax - 559-584-6040
Internet - www.countyofkings.com/health/ehs

CUPA PROGRAM INSPECTION REPORT/NOTICE TO COMPLY

FACILITY NAME:	OWNER NAME:	FACILITY ID#:	DATE:
CEMEX CONSTRUCTION MATERIALS LP	CEMEX CONSTRUCTION MATER	FA0002876	September 06, 2006
FACILITY SITE ADDRESS:	**BUSINESS PHONE:**	**INSPECTION TYPE:**	**INSPECTOR:**
1000 S 19th AVE LEMOORE, CA 93245	(559) 925-8759	ROUTINE INSPECTION	Yatee Patel

An inspection of your facility revealed the following violations of the California Health and Safety Code and/or California Code of Regulations. A reinspection may occur at any time to verify correction of these violations. Please note the date for correction as listed per violation.

HAZARDOUS MATERIALS BUSINESS PLANS - PR0006367

Inspection Violations

INVENTORY OF HAZARDOUS MATERIALS NOT ACCURATE **Correct by 10/6/2006** **In Compliance 9/6/2006**

[HSC 25504, TITLE 19 CCR 2729]

Inspector Comments: Updated chemical inventory information on the forms onsite. Changed from 6000 gallons of diesel to 12,000.
Added 150 gallons of Hydraulic oil, Motor oil & Gear oil.

General Comments: Current business identification and chemical inventory information was reviewed with the owner during the inspection. All information submitted is current and correct at this time.

HAZARDOUS WASTE GENERATOR (SQG <5TONS) - PR0006368

Inspection Violations

Inspector Comments: Inspection conducted, no violations noted

General Comments: No violations of hazardous waste laws, regulations or requirements were discovered during the inspection.
All hazardous waste storage, handling and tracking requirements were reviewed today.

Received by: _____
Signature

Yatee Patel
Environmental Health Officer

County of Kings - Department of Public Health
Environmental Health Serivces Division
330 Campus Drive Hanford, CA 93230
Phone - 559-584-1411 Fax - 559-584-6040
Internet - www.countyofkings.com/health/ehs

CUPA PROGRAM INSPECTION REPORT/NOTICE TO COMPLY

FACILITY NAME:	OWNER NAME:	FACILITY ID#:	DATE:
CEMEX CONSTRUCTION MATERIALS, PACIFIC LLC	CEMEX CONSTRUCTION MATERIALS	FA0002876	September 28, 2015
FACILITY SITE ADDRESS:	**BUSINESS PHONE:**	**INSPECTION TYPE:**	**INSPECTOR:**
1000 S 19th AVE LEMOORE, CA 93245	(559) 925-8759	ROUTINE INSPECTION	Veronica Ochoa -REHS

An inspection of your facility revealed the following violations of the California Health and Safety Code and/or California Code of Regulations. A reinspection may occur at any time to verify correction of these violations. Please note the date for correction as listed per violation.

2101 HAZARDOUS MATERIALS BUSINESS PLANS - PR0006367

Inspection Violations

Complete hazardous materials inventory information submitted — Comply by 10/28/2015

Failure to complete and/or submit hazardous material inventory forms for all reportable hazardous materials on site. 19 CCR 4 2729.2(a)(2); HSC 6.95 25504(a)

Violation Type: Minor Violation

Inspector Comments: During today's inspection, it was mentioned that the location of where the facility's hazardous waste and lubricants are stored need to be named the same on the hazardous materials location and site map. For example, the location for many of the hazardous materials indicate that they are stored at the truck shop but on the site map this area is addressed as maintenance area/shop. Please be consistent with the name for these locations; either call the location truck shop or maintenance area/shop.

In the truck shop, please make sure to account for all motor oils, transmission fluids, gear oils, and hydraulic oils. The facility's HMBP accounted for such items by weight of the product but sense the facility carries different weights, it would make it much easier to classify them as mentioned above. Please make sure to account for all of the 5 gallon buckets of motor oils and transmission fluids the facility stores onsite.

Universal waste must be added to the facility's HMBP. Universal waste is stored in the truck shop and the maximum daily amount is 35 gallons and the largest container is 30 gallons.

The Eclipse Floor 200 needs to be changed to Eclipse 4500 on the facility's HMBP.

The MVP hazardous material that is located west of the fueling area needs to be added to the facility's HMBP. The maximum daily amount is 110 gallons and the largest container is 55 gallons.

The acetylene submittal needs to be changed. The largest container for this hazardous material needs to be changed to 124 cubic feet.

The transmission fluid submittal needs to be changed as well. The largest container for this hazardous material is 5 gallon buckets.

Please make sure to make the above changes onto CERS within the next 30 days. Please make sure to the site map is reflected of the changes.

County of Kings - Department of Public Health
Environmental Health Serivces Division
330 Campus Drive Hanford, CA 93230
Phone - 559-584-1411 Fax - 559-584-6040
Internet - www.countyofkings.com/health/ehs

CUPA PROGRAM INSPECTION REPORT/NOTICE TO COMPLY

FACILITY NAME:	OWNER NAME:	FACILITY ID#:	DATE:
CEMEX CONSTRUCTION MATERIALS, PACIFIC LLC	CEMEX CONSTRUCTION MATERIALS	FA0002876	September 28, 2015
FACILITY SITE ADDRESS:	**BUSINESS PHONE:**	**INSPECTION TYPE:**	**INSPECTOR:**
1000 S 19th AVE LEMOORE, CA 93245	(559) 925-8759	ROUTINE INSPECTION	Veronica Ochoa -REHS

General Comments and Observations:

The facility's hazardous materials were observed properly contained and labeled. Some minor changes need to be completed on CERS, see the violation noted above. Employees last received employee training in December of 2014.

CERTIFICATION OF RETURN TO COMPLIANCE

I certify that the violations noted above on this report have been corrected. I have personally examined any documentation attached to the certification to establish that the violations have been corrected.

Signature:_____ Title:_____ Date:_____

Received By:

Veronica Ochoa -REHS

Environmental Health Officer
UST Inspector ICC Certification # - 8122337

County of Kings - Department of Public Health
Environmental Health Serivces Division
330 Campus Drive Hanford, CA 93230
Phone - 559-584-1411 Fax - 559-584-6040
Internet - www.countyofkings.com/health/ehs

CUPA PROGRAM INSPECTION REPORT/NOTICE TO COMPLY

FACILITY NAME:	OWNER NAME:	FACILITY ID#:	DATE:
CEMEX CONSTRUCTION MATERIALS, PACIFIC LLC	CEMEX CONSTRUCTION MATERIALS	FA0002876	September 28, 2015
FACILITY SITE ADDRESS:	**BUSINESS PHONE:**	**INSPECTION TYPE:**	**INSPECTOR:**
1000 S 19th AVE LEMOORE, CA 93245	(559) 925-8759	ROUTINE INSPECTION	Veronica Ochoa -REHS

An inspection of your facility revealed the following violations of the California Health and Safety Code and/or California Code of Regulations. A reinspection may occur at any time to verify correction of these violations. Please note the date for correction as listed per violation.

2212 HAZARDOUS WASTE GENERATOR (SQG <5TONS) - PR0006368

Inspection Violations

Inspector Comments: Inspection Conducted, no violations noted

General Comments and Observations:

The facility's hazardous waste area was observed properly maintained. All of the facility's hazardous waste manifest were available onsite and observed properly organized. Currently, the facility's hazardous waste hauler is Asburry Environmental. This hazardous waste hauler, hauls the facility's universal waste, waste oil, and waste oil filters.

Received By:

Veronica Ochoa -REHS

Environmental Health Officer
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CUPA PROGRAM INSPECTION REPORT/NOTICE TO COMPLY

FACILITY NAME:	OWNER NAME:	FACILITY ID#:	DATE:
CEMEX CONSTRUCTION MATERIALS PACIFIC, LLC	CEMEX CONSTRUCTION MATERIALS	FA0002876	April 23, 2021
FACILITY SITE ADDRESS:	**BUSINESS PHONE:**	**INSPECTION TYPE:**	**INSPECTOR:**
1000 S 19th AVE LEMOORE, CA 93245	(909) 974-5500	ROUTINE INSPECTION	Veronica Ochoa -REHS

An inspection of your facility revealed the following violations of the California Health and Safety Code and/or California Code of Regulations. A reinspection may occur at any time to verify correction of these violations. Please note the date for correction as listed per violation.

1901 ABOVEGROUND PETROLEUM STORAGE TANK - PR0007321

Inspection Violations

Inspector Comments: Inspection Conducted, no violations noted

General Comments and Observations:

The facility's SPCC plan was last updated and signed by a professional engineer in 2018. Monthly aboveground tank inspections were verified onsite during the inspection. Petroleum aboveground tanks were observed in satisfactory condition as no seepage of contents were observed at the time of the inspection.

Due to COVID-19, no signature was obtained for this inspection report. However, an exit interview was conducted with Richard Schmaling who is the facility's primary emergency contact.

E-mailed to Operator

Received By:

Veronica Ochoa -REHS

Environmental Health Officer

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Environmental Health Serivces Division
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CUPA PROGRAM INSPECTION REPORT/NOTICE TO COMPLY

FACILITY NAME:	OWNER NAME:	FACILITY ID#:	DATE:
CEMEX CONSTRUCTION MATERIALS PACIFIC, LLC	CEMEX CONSTRUCTION MATERIALS	FA0002876	April 23, 2021
FACILITY SITE ADDRESS:	**BUSINESS PHONE:**	**INSPECTION TYPE:**	**INSPECTOR:**
1000 S 19th AVE LEMOORE, CA 93245	(909) 974-5500	ROUTINE INSPECTION	Veronica Ochoa -REHS

An inspection of your facility revealed the following violations of the California Health and Safety Code and/or California Code of Regulations. A reinspection may occur at any time to verify correction of these violations. Please note the date for correction as listed per violation.

2101 HAZARDOUS MATERIALS BUSINESS PLANS - PR0006367

Inspection Violations

Business Owner/Operator ID and Business Activities pages electronically submitted and are accurate — Comply by 5/23/2021

Failure to electronically submit the Business Activities Page and/or Business Owner Operator Identification Page, or failure to report complete or accurate information on these forms. 19 CCR 4 2652(a)(1); 6.95 25508(a)(1), 25508(a)(3) — Violation Type: Minor Violation

Inspector Comments: On the business owner/operator identification section that was submitted on CERS, the facility's environmental contact email was inputted incorrectly. Also, the number of employees for the facility has changed from 4 to 9. Please make these two changes in CERS.

Site Map with all required content electronically submitted — Comply by 5/23/2021

Failure to electronically submit a site map with all required content. HSC 6.95 25505(a)(2), 25508(a)(1), 25508(a)(3) — Violation Type: Minor Violation

Inspector Comments: The site map that was recently uploaded onto CERS must also include the following:
1. Identify the location of the eye wash stations.
2. Identify the locations of fire extinguishers.
3. Identify the location of first aid kits.

Complete and accurate Hazardous Materials Inventory information electronically submitted — Comply by 5/23/2021

Failure to electronically submit complete and accurate hazardous material inventory information for all hazardous materials on site at or above reportable quantities. HSC 6.95 25506, 25505(a)(1), 25508(a)(1), 25508(a)(3) — Violation Type: Minor Violation

Inspector Comments: Based on the inspection that took place, the following information must be changed in CERS:
1. Nitrogen maximum daily amount must be changed to 200 cubic feet.
2. Acetylene maximum daily amount must be changed to 372 cubic feet.
3. Oxygen maximum daily amount must be changed to 843 cubic feet.
4. Grease should be reported in pounds not gallons.
5. Used lubricating oils must be removed from the facility's hazardous materials inventory as the waste oil tank in the truck shop area was already accounted for in the inventory.

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CUPA PROGRAM INSPECTION REPORT/NOTICE TO COMPLY

FACILITY NAME:	OWNER NAME:	FACILITY ID#:	DATE:
CEMEX CONSTRUCTION MATERIALS PACIFIC, LLC	CEMEX CONSTRUCTION MATERIALS	FA0002876	April 23, 2021
FACILITY SITE ADDRESS:	**BUSINESS PHONE:**	**INSPECTION TYPE:**	**INSPECTOR:**
1000 S 19th AVE LEMOORE, CA 93245	(909) 974-5500	ROUTINE INSPECTION	Veronica Ochoa -REHS

Electronically submitted adequate response plan/procedures for release/threatened release of hazmat

Comply by 5/23/2021

Failure to establish and electronically submit adequate emergency response procedures for a release or threatened release of a hazardous material. 19 CCR 4 2658; HSC 6.95 25505(a)(3), 25508(a)(1), 25508(a)(3)

Violation Type: Class II Violation

Inspector Comments: In the emergency response contingency plan that was recently uploaded on CERS, the local unified program agency (UPA) phone number is inaccurate. The local CUPA phone number that needs to be inputted in this section is 559-584-1411. Please update this information and resubmit this section in CERS. Also, please remove any outdated emergency response contingency plans from CERS.

General Comments and Observations:

The facility's hazardous materials were observed properly labeled and contained. Employee training was last conducted on April 13, 2021 and before then was conducted on August 17, 2020.

Due to COVID-19, no signature was obtained for this inspection report. However, an exit interview was conducted with Richard Schmaling who is the facility's primary emergency contact.

CERTIFICATION OF RETURN TO COMPLIANCE

I certify that the violations noted above on this report have been corrected. I have personally examined any documentation attached to the certification to establish that the violations have been corrected.

Signature:_____ Title:_____ Date:_____

E-mailed to Operator

Received By:

Veronica Ochoa -REHS

Environmental Health Officer
UST Inspector ICC Certification # - 8122 8122337

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CUPA PROGRAM INSPECTION REPORT/NOTICE TO COMPLY

FACILITY NAME:	OWNER NAME:	FACILITY ID#:	DATE:
CEMEX CONSTRUCTION MATERIALS PACIFIC, LLC	CEMEX CONSTRUCTION MATERIALS	FA0002876	April 23, 2021
FACILITY SITE ADDRESS:	**BUSINESS PHONE:**	**INSPECTION TYPE:**	**INSPECTOR:**
1000 S 19th AVE LEMOORE, CA 93245	(909) 974-5500	ROUTINE INSPECTION	Veronica Ochoa -REHS

An inspection of your facility revealed the following violations of the California Health and Safety Code and/or California Code of Regulations. A reinspection may occur at any time to verify correction of these violations. Please note the date for correction as listed per violation.

2212 HAZARDOUS WASTE GENERATOR (SQG <5TONS) - PR0006368

Inspection Violations

Inspector Comments: Inspection Conducted, no violations noted

General Comments and Observations:

The facility's generated hazardous waste is currently being hauled off by World Oil. Waste oil is currently being hauled off every 90 days; used oil filters and waste absorbent is hauled off every 180 days. Proof of manifests were made available and reviewed during the inspection. At the time of the inspection, the facility's generated hazardous waste was observed properly contained, labeled, and had accumulation dates.

Due to COVID-19, no signature was obtained for this inspection report. However, an exit interview was conducted with Richard Schmaling who is the facility's primary emergency contact.

E-mailed to Operator

Received By:

Veronica Ochoa -REHS

Environmental Health Officer
UST Inspector ICC Certification # - 8122[illegible]8122337

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CUPA PROGRAM INSPECTION REPORT/NOTICE TO COMPLY

FACILITY NAME:	OWNER NAME:	FACILITY ID#:	DATE:
LEMOORE CROSSINGS LLC	AMAR MOWJI	FA0003172	July 13, 2022
FACILITY SITE ADDRESS:	**BUSINESS PHONE:**	**INSPECTION TYPE:**	**INSPECTOR:**
1225 SIERRA CIR LEMOORE, CA 93245	(714) 325-7056	ROUTINE INSPECTION	Luis Flores - REHS

An inspection of your facility revealed the following violations of the California Health and Safety Code and/or California Code of Regulations. A reinspection may occur at any time to verify correction of these violations. Please note the date for correction as listed per violation.

2300 UNDERGROUND STORAGE TANK PROGRAM - PR0007011

Inspection Violations

Inspector Comments: Inspection Conducted, no violations noted

General Comments and Observations:

Secondary piping pressure testing was performed today of the line sections feeding each of the four dispensers. All lines were pressurized to five PSI for more than an hour prior to soap testing. Upon arrival all lines were observed to be holding at 6 PSI. The increase in pressure was due to an increase of today's temperature level.

All product supply and vapor return lines were shown to hold pressure and tight after soap testing.

This facility may now continue to final retro-fit completion.

Keep in mind that all sumps and dispenser pans must be hydro-statically tested. A modified SB 989 test report must be submitted to this department showing all tested secondary components are tight. Thereafter, a UST monitoring certification test is to be scheduled with this department in order to verify all primary and secondary components are tight. Schedule this test with this department at least 48 hours prior to testing.

Luis Flores - REHS

Received By:

Environmental Health Officer
UST Inspector ICC Certification # - 8163596 3593

County of Kings - Department of Public Health
Environmental Health Serivces Division
330 Campus Drive Hanford, CA 93230
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CUPA PROGRAM INSPECTION REPORT/NOTICE TO COMPLY

FACILITY NAME:	OWNER NAME:	FACILITY ID#:	DATE:
LEMOORE CROSSINGS	AMAR MOWJI	FA0003172	January 02, 2020
FACILITY SITE ADDRESS:	**BUSINESS PHONE:**	**INSPECTION TYPE:**	**INSPECTOR:**
1225 SIERRA CIR LEMOORE, CA 93245	(559) 924-1830	ROUTINE INSPECTION	Luis Flores - REHS

An inspection of your facility revealed the following violations of the California Health and Safety Code and/or California Code of Regulations. A reinspection may occur at any time to verify correction of these violations. Please note the date for correction as listed per violation.

2101 HAZARDOUS MATERIALS BUSINESS PLANS - PR0006853

Inspection Violations

Site Map with all required content electronically submitted — Comply by 2/1/2020

Failure to complete and electronically submit a site map with all required content. HSC 25505(a)(2), 25508(a)(1) — Violation Type: Class II Violation

Inspector Comments: The site map for this facility requires an update to include the locations of storm drains and shut-off locations for electrical supply and water. Of note, this facility is not supplied with natural gas.

Update the existing site map to include the required information within the next 30 days.

Business plan reviewed and electronically certified as complete/accurate on or before the due date — Comply by 2/1/2020

Failure to annually review and electronically submit the business plan on or before the annual due date and certify that it is complete, accurate, and in compliance with EPCRA. HSC 6.95 25508(a)(1), 25508.2 — Violation Type: Class II Violation

Inspector Comments: The hazardous materials business plan information filed on CERS is due annually for this facility by the end of July. The facility is required to file all elements of the program onto CERS by then. Failure to comply with this requirement is subject to $500.00 per day penalty fees. The last CERS filing for this facility was April 9, 2018. However that filing did not include all required program elements as the UST program information was not included. The last UST program information was filed on March 8, 2017.

You are hereby notified to update or re-certify the CERS business information by no later than January 31, 2019. The department will assess the business owner a penalty fee for the existing violation within the next 60 days for violation of this requirement.

General Comments and Observations:

County of Kings - Department of Public Health
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CUPA PROGRAM INSPECTION REPORT/NOTICE TO COMPLY

FACILITY NAME:	OWNER NAME:	FACILITY ID#:	DATE:
LEMOORE CROSSINGS	AMAR MOWJI	FA0003172	January 02, 2020
FACILITY SITE ADDRESS:	**BUSINESS PHONE:**	**INSPECTION TYPE:**	**INSPECTOR:**
1225 SIERRA CIR LEMOORE, CA 93245	(559) 924-1830	ROUTINE INSPECTION	Luis Flores - REHS

CERTIFICATION OF RETURN TO COMPLIANCE

I certify that the violations noted above on this report have been corrected. I have personally examined any documentation attached to the certification to establish that the violations have been corrected.

Signature:_____ Title:_____ Date:_____

Luis Flores - REHS

Received By:

Environmental Health Officer
UST Inspector ICC Certification # - 8163596 3593

County of Kings - Department of Public Health
Environmental Health Serivces Division
330 Campus Drive Hanford, CA 93230
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CUPA PROGRAM INSPECTION REPORT/NOTICE TO COMPLY

FACILITY NAME:	OWNER NAME:	FACILITY ID#:	DATE:
LEMOORE CROSSINGS	AMAR MOWJI	FA0003172	January 06, 2022
FACILITY SITE ADDRESS:	**BUSINESS PHONE:**	**INSPECTION TYPE:**	**INSPECTOR:**
1225 SIERRA CIR LEMOORE, CA 93245	(714) 325-7056	ROUTINE INSPECTION	Luis Flores - REHS

An inspection of your facility revealed the following violations of the California Health and Safety Code and/or California Code of Regulations. A reinspection may occur at any time to verify correction of these violations. Please note the date for correction as listed per violation.

2300 UNDERGROUND STORAGE TANK PROGRAM - PR0007011

Inspection Violations

Compliance with all operating permit requirements — Comply by 2/5/2022

Failure to comply with one or more of the operating permit requirements. 23 CCR 16 2712 — Violation Type: Class II Violation

Inspector Comments: Smart sensor S9 was in alarm today upon arrival. S9 monitors the '91 STP and fill sump.

Compliance with all operating permit requirements — Comply by 2/5/2022 — Complied on 1/6/2022

Failure to comply with one or more of the operating permit requirements. 23 CCR 16 2712 — Violation Type: Minor Violation

Inspector Comments: Water was present in the diesel fill sump. The water was removed by the technician.

Compliance with all operating permit requirements — Comply by 2/5/2022 — Complied on 1/6/2022

Failure to comply with one or more of the operating permit requirements. 23 CCR 16 2712 — Violation Type: Minor Violation

Inspector Comments: Water was present in the '91 grade fill sump. Water was removed by the technician.

Secondary containment maintained tight and has been confirmed by testing — Comply by 2/5/2022

Failure to maintain secondary containment (e.g. failure of secondary containment testing). HSC 6.7 25290.1(c), 25290.1(e), 25290.2(c), 25291(a)(2) — Violation Type: Class II Violation

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CUPA PROGRAM INSPECTION REPORT/NOTICE TO COMPLY

FACILITY NAME:	OWNER NAME:	FACILITY ID#:	DATE:
LEMOORE CROSSINGS	AMAR MOWJI	FA0003172	January 06, 2022
FACILITY SITE ADDRESS:	**BUSINESS PHONE:**	**INSPECTION TYPE:**	**INSPECTOR:**
1225 SIERRA CIR LEMOORE, CA 93245	(714) 325-7056	ROUTINE INSPECTION	Luis Flores - REHS

Inspector Comments: Smart sensor S4 has been in alarm for the past 12 months. This sensor monitors vacuum on the manifolded '87 tank fill and turbine sumps.

Compliance with all operating permit requirements — Comply by 2/5/2022

Failure to comply with one or more of the operating permit requirements. 23 CCR 16 2712 — Violation Type: Class II Violation

Inspector Comments: Smart sensor S12 has been in alarm for the past 12 months. The sensor monitors the diesel tank turbine sump.

Spill buckets meet requirements, have been tested as required, and records kept for 36 mths (TCR 9a) — Comply by 2/5/2022 — Complied on 1/6/2022

Failure to meet one or more of the following requirements: 1. Install or maintain a liquid-tight spill container. 2. Have a minimum capacity of five gallons. 3. Have a functional drain valve or other method for the removal of liquid from the spill container. 4. Be resistant to galvanic corrosion. 5. Perform a tightness test at installation, every 12 months thereafter, or within 30 days after a repair to the spill container. 6. Tested using applicable manufacturer guidelines, industry codes, engineering standards, or a method approved by a professional engineer. 7. Tested by a certified UST service technician. 8. Maintain records of spill containment testing for 36 months. 23 CCR 16 2635(b), 2637.1(a), 2637.1(b), 2637.1(c), 2665(a), 2665(b), 2712(b)(1)(F); HSC 6.7 25284.2 — Violation Type: Minor Violation

Inspector Comments: The '87 grade overspill bucket failed initial testing due to a gasket leak. The gasket was replaced and passed follow-up hydrostatic testing.

Secondary containment maintained tight and has been confirmed by testing — Comply by 2/5/2022

Failure to maintain secondary containment (e.g. failure of secondary containment testing). HSC 6.7 25290.1(c), 25290.1(e), 25290.2(c), 25291(a)(2) — Violation Type: Class II Violation

Inspector Comments: Smart sensor S3 has been in alarm for the past 12 months. This sensor monitors vacuum on the '87 tank vent and vapor return lines.

General Comments and Observations:

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CUPA PROGRAM INSPECTION REPORT/NOTICE TO COMPLY

FACILITY NAME:	OWNER NAME:	FACILITY ID#:	DATE:
LEMOORE CROSSINGS	AMAR MOWJI	FA0003172	January 06, 2022
FACILITY SITE ADDRESS:	**BUSINESS PHONE:**	**INSPECTION TYPE:**	**INSPECTOR:**
1225 SIERRA CIR LEMOORE, CA 93245	(714) 325-7056	ROUTINE INSPECTION	Luis Flores - REHS

Annual UST monitoring Certification testing was performed today by Kao Chang w/ Banks & Co. The following observations were made:

1. All three turbine sumps as well as the four UDC's were observed in dry condition.
2. All three Veeder Root 208 sensors located in each tank turbine sump engaged turbine pump shut-down during hydro-testing.
3. Each of the four dispenser pan VR 208 sensors engaged tank turbine pump shut-down of all products supplied to those dispensers. Of note, dispensers 1/2 and 5/6 only dispense gasoline products while 3/4 and 7/8 also dispense diesel fuel.
4. Both gasoline product tank fill sump VR 208 sensors activated VR TLS 350 monitoring panel A/V alarms. The diesel fill sump VR 208 sensor required replacement and passed testing after re-installation.
5. The tank vent box VR 208 sensor registered a monitoring panel A/V alarm upon testing.
6. With the exception of S3, S4, S9 and S12, all other secondary containment smart sensors activated A/V alarms upon testing.
7. The '91 product and diesel tank overspill buckets passed 1.0 hr. hydro-testing.
8. All three tank Veeder-Root PLLD electronic line leak detectors passed 3.0 GPH line leak simulation testing and activated respective tank turbine shut-down.
9. Fail Safe and sensor out testing each inactivated the UST operational system.
10. The emergency stop button shut-down the tank turbines and inactivated dispenser operation.
11. Monthly D.O. inspection reports are being performed by Mark Anderson of Mark Nine Enterprises. The monthly reports are very well prepared and maintained.
12. Employee training was completed in November of 2021.
13. Note: The facility operator has contracted with Precision Environmental of Tulare, CA to work on all UST monitoring system smart sensor failures. Although some preliminary work has been performed, the system still requires further assessment and work completion. Be advised that all final repair is required within the next 90 days and no later than March 31, 2022. If work is not completed by then, the facility's UST permit will be suspended and the UST system Red Tagged out of service.

Submit a copy of today's test report to this department within the next 30 days.

CERTIFICATION OF RETURN TO COMPLIANCE

I certify that the violations noted above on this report have been corrected. I have personally examined any documentation attached to the certification to establish that the violations have been corrected.

Signature:_____ Title:_____ Date:_____

Received By:

Luis Flores - REHS

Environmental Health Officer
UST Inspector ICC Certification # - 8163596 3593

County of Kings - Department of Public Health
Environmental Health Serivces Division
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CUPA PROGRAM INSPECTION REPORT/NOTICE TO COMPLY

FACILITY NAME:	OWNER NAME:	FACILITY ID#:	DATE:
LEMOORE CROSSINGS	AMAR MOWJI	FA0003172	January 28, 2015
FACILITY SITE ADDRESS:	**BUSINESS PHONE:**	**INSPECTION TYPE:**	**INSPECTOR:**
1225 SIERRA CIR LEMOORE, CA 93245	(559) 924-1830	ROUTINE INSPECTION	Luis Flores - REHS

An inspection of your facility revealed the following violations of the California Health and Safety Code and/or California Code of Regulations. A reinspection may occur at any time to verify correction of these violations. Please note the date for correction as listed per violation.

2300 UNDERGROUND STORAGE TANK PROGRAM - PR0007011

Inspection Violations

Inspector Comments: Inspection Conducted, no violations noted

Inspector Comments: Inspection Conducted, no violations noted

General Comments and Observations:

Annual monitoring certification testing was performed today of the UST system by Randy Allen with Banks and Company. The following was noted:

1. All programmed liquid and smart sensors were checked today and determined to properly engage the TLS 350 Plus monitoring panel.
2. With the exception of a small amount of water in both the 91 and diesel turbine sump sensors, all other turbine sumps, fill sumps, and UDC pans were observed in dry condition.
3. Both turbine sump and UDC liquid sensors deactivated respective product supply turbines when engaged.
4. Annular vacuum for both was functional (87 and 91/diesel).
5. All three electronic line leak detectors properly functioned upon testing and shutdown each turbine when a 3.0 GPH leak rate was simulated.
6. Fail safe and sensor out were tested and shut down the UST monitoring panel power and turbine sumps as required.
7. Monthly D.O. inspections are being performed and maintained.

Submit a copy of today's inspection report to this Department within 30 days of today's date.

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CUPA PROGRAM INSPECTION REPORT/NOTICE TO COMPLY

FACILITY NAME:	OWNER NAME:	FACILITY ID#:	DATE:
LEMOORE CROSSINGS	AMAR MOWJI	FA0003172	January 28, 2015
FACILITY SITE ADDRESS:	**BUSINESS PHONE:**	**INSPECTION TYPE:**	**INSPECTOR:**
1225 SIERRA CIR LEMOORE, CA 93245	(559) 924-1830	ROUTINE INSPECTION	Luis Flores - REHS

Luis Flores - REHS

Received By:

Environmental Health Officer
UST Inspector ICC Certification # - 8163593

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CUPA PROGRAM INSPECTION REPORT/NOTICE TO COMPLY

FACILITY NAME:	OWNER NAME:	FACILITY ID#:	DATE:
LEMOORE CROSSINGS	AMAR MOWJI	FA0003172	January 28, 2021
FACILITY SITE ADDRESS:	**BUSINESS PHONE:**	**INSPECTION TYPE:**	**INSPECTOR:**
1225 SIERRA CIR LEMOORE, CA 93245	(714) 325-7056	ROUTINE INSPECTION	Paven Batth

An inspection of your facility revealed the following violations of the California Health and Safety Code and/or California Code of Regulations. A reinspection may occur at any time to verify correction of these violations. Please note the date for correction as listed per violation.

2300 UNDERGROUND STORAGE TANK PROGRAM - PR0007011

Inspection Violations

Leak detection equipment properly installed, calibrated, operated, and maintained (TCR 9d)

Comply by 2/27/2021

Failure of the leak detection equipment to be installed, calibrated, operated, and/or maintained in accordance with manufacturer's instructions. 23 CCR 16 2638(a), 2641(j)

Violation Type: Minor Violation

Inspector Comments: S4 (87 Sump-Manifold) was in alarm upon technician's arrival. After running a diagnostic, the technician was able clear the S4 vacuum alarm. Violation corrected on-site.

Leak detection equipment properly installed, calibrated, operated, and maintained (TCR 9d)

Comply by 2/27/2021

Failure of the leak detection equipment to be installed, calibrated, operated, and/or maintained in accordance with manufacturer's instructions. 23 CCR 16 2638(a), 2641(j)

Violation Type: Minor Violation

Inspector Comments: S3 (87 vapor vent-sump) was in alarm upon technician's arrival. The technician was unable to clear vacuum on S3. Based on the alarm history and designated operator reports, S3 has been in alarm on multiple monthly D.O inspection reports from January of 2020-present. Provide a corrective action plan within 30 days to ensure proper steps are being taken to resolve this issue.

Leak detection equipment properly installed, calibrated, operated, and maintained (TCR 9d)

Comply by 2/27/2021

Failure of the leak detection equipment to be installed, calibrated, operated, and/or maintained in accordance with manufacturer's instructions. 23 CCR 16 2638(a), 2641(j)

Violation Type: Minor Violation

Inspector Comments: S12 (Diesel Sumps) was in alarm upon technician's arrival. The technician was unable to clear vacuum on S12. Based on the alarm history and designated operator reports, S12 has been in alarm on multiple monthly D.O inspection reports from January of 2020-present. Provide a corrective action plan within 30 days to ensure proper steps are being taken to resolve this issue.

Spill buckets meet requirements, have been tested as required, and records kept for 36 mths (TCR 9a)

Comply by 2/27/2021

Complied on 3/27/2021

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CUPA PROGRAM INSPECTION REPORT/NOTICE TO COMPLY

FACILITY NAME:	OWNER NAME:	FACILITY ID#:	DATE:
LEMOORE CROSSINGS	AMAR MOWJI	FA0003172	January 28, 2021
FACILITY SITE ADDRESS:	**BUSINESS PHONE:**	**INSPECTION TYPE:**	**INSPECTOR:**
1225 SIERRA CIR LEMOORE, CA 93245	(714) 325-7056	ROUTINE INSPECTION	Paven Batth

Failure to meet one or more of the following requirements: 1. Install or maintain a liquid-tight spill container. 2. Have a minimum capacity of five gallons. 3. Have a functional drain valve or other method for the removal of liquid from the spill container. 4. Be resistant to galvanic corrosion. 5. Perform a tightness test at installation, every 12 months thereafter, or within 30 days after a repair to the spill container. 6. Tested using applicable manufacturer guidelines, industry codes, engineering standards, or a method approved by a professional engineer. 7. Tested by a certified UST service technician. 8. Maintain records of spill containment testing for 36 months. 23 CCR 16 2635(b), 2637.1(a), 2637.1(b), 2637.1(c), 2665(a), 2665(b), 2712(b)(1)(F); HSC 6.7 25284.2

Violation Type: Minor Violation

Inspector Comments: During the site inspection, the 87 spill bucket failed initial test. Technician discovered drain assembly and O-ring were damaged. Technician replaced drain assembly and O-ring on-site and retested. The 87 spill bucket passed during retest. Violation corrected on-site.

Leak detection equipment properly installed, calibrated, operated, and maintained (TCR 9d)

Comply by 2/27/2021

Failure of the leak detection equipment to be installed, calibrated, operated, and/or maintained in accordance with manufacturer's instructions. 23 CCR 16 2638(a), 2641(j)

Violation Type: Minor Violation

Inspector Comments: 208 sensor in the 87 STP did not shut- down the turbine pump. VR 208 sensor was replaced and retested. The updated 208 sensor did shut- down the turbine pump in the 87 STP. Violation corrected on-site.

Leak detection equipment properly installed, calibrated, operated, and maintained (TCR 9d)

Comply by 2/27/2021

Failure of the leak detection equipment to be installed, calibrated, operated, and/or maintained in accordance with manufacturer's instructions. 23 CCR 16 2638(a), 2641(j)

Violation Type: Minor Violation

Inspector Comments: S9 (91 Sump Fill-STP)was in alarm upon technician's arrival. The technician was unable to clear vacuum on S9. Based on the alarm history and designated operator reports, S9 has been in alarm on multiple monthly D.O inspection reports from January of 2020-present. Provide a corrective action plan within 30 days to ensure proper steps are being taken to resolve this issue.

General Comments and Observations:

County of Kings - Department of Public Health
Environmental Health Serivces Division
330 Campus Drive Hanford, CA 93230
Phone - 559-584-1411 Fax - 559-584-6040
Internet - www.countyofkings.com/health/ehs

CUPA PROGRAM INSPECTION REPORT/NOTICE TO COMPLY

FACILITY NAME:	OWNER NAME:	FACILITY ID#:	DATE:
LEMOORE CROSSINGS	AMAR MOWJI	FA0003172	January 28, 2021
FACILITY SITE ADDRESS:	**BUSINESS PHONE:**	**INSPECTION TYPE:**	**INSPECTOR:**
1225 SIERRA CIR LEMOORE, CA 93245	(714) 325-7056	ROUTINE INSPECTION	Paven Batth

An annual monitor certification was conducted today by Kao Chang from Banks & CO. During the annual monitor certification, all release detection devices (i.e., sump sensors, interstitial sensors, udc sensors, line leak detectors, etc) associated with the system were checked.

-All tank sumps, udc dispensers and vent box were free of debris. UST system was observed to be in fairly good condition.
-Overfill alarms in each tank were properly set at 90% of each tank capacity.
-Spill buckets passed the 5-gallon hydrostatic testing.
-LLD passed the 3.0 gph leak detection testing.
-Other than the five sensors noted above, the remaining sensors performed satisfactorily.
-Monthly designated operator reports and annual employee training are up-to-date.

-Other Comments: In response to the COVID-19 pandemic, please implement the State (CDPH) guidelines (i.e., maintain a physical distance of 6 feet between individuals, use EPA-approved disinfectants, etc.) with your business. In order to help mitigate the spread of COVID-19 (i.e., increase the risk of exposure), a signature was not obtained. The inspection report will be emailed to the facility's point of contact.

Submit a copy of today's inspection report report to the Kings County Health Department's Division of Environmental Health within 30 days.

CERTIFICATION OF RETURN TO COMPLIANCE

I certify that the violations noted above on this report have been corrected. I have personally examined any documentation attached to the certification to establish that the violations have been corrected.

Signature:_____ Title:_____ Date:_____

No signature required due to COVID-19.

Received By:

Paven Batth

Environmental Health Officer
UST Inspector ICC Certification # - 98249[illegible]38 - UI

County of Kings - Department of Public Health
Environmental Health Serivces Division
330 Campus Drive Hanford, CA 93230
Phone - 559-584-1411 Fax - 559-584-6040
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CUPA PROGRAM INSPECTION REPORT/NOTICE TO COMPLY

FACILITY NAME:	OWNER NAME:	FACILITY ID#:	DATE:
LEMOORE CROSSINGS	AMAR MOWJI	FA0003172	February 20, 2019
FACILITY SITE ADDRESS:	**BUSINESS PHONE:**	**INSPECTION TYPE:**	**INSPECTOR:**
1225 SIERRA CIR LEMOORE, CA 93245	(559) 924-1830	ROUTINE INSPECTION	Susan Lee-Yang - REHS

An inspection of your facility revealed the following violations of the California Health and Safety Code and/or California Code of Regulations. A reinspection may occur at any time to verify correction of these violations. Please note the date for correction as listed per violation.

2300 UNDERGROUND STORAGE TANK PROGRAM - PR0007011

Inspection Violations

Leak detection equipment properly installed, calibrated, operated, and maintained

Comply by 6/21/2019

Failure of the leak detection equipment to be installed, calibrated, operated, and/or maintained properly. 23 CCR 16 2638(a), 2641(j)

Violation Type: Minor Violation

Inspector Comments: Per UST monitoring system certification report, S9 (91 sump Fill-STP) was in alarm upon technician's arrival. Technician was unable to clear vacuum to S9 due to interstitial failed to hold vacuum. Based on the alarm history and designated operator reports, S9 alarm has been in alarm since February 23,2018. Ensure this is corrected within 90 days.

Spill buckets meet requirements, have been tested as required, and records kept for 36 mths

Comply by 3/22/2019 Complied on 1/7/2019

Failure to meet one or more of the following requirements:
1. Install or maintain a liquid-tight spill container.
2. Have a minimum capacity of five gallons.
3. Have a functional drain valve or other method for the removal of liquid from the spill container.
4. Be resistant to galvanic corrosion.
5. Perform a tightness test at installation, every 12 months thereafter, or within 30 days after a repair to the spill container.
6. Tested using applicable manufacturer guidelines, industry codes, engineering standards, or a method approved by a professional engineer.
7. Tested by a certified UST service technician.
8. Maintain records of spill containment testing for 36 months.

Violation Type: Minor Violation

23 CCR 16 2635(b), 2637.1(a), 2637.1(b), 2637.1(c), 2665(a), 2665(b), 2712(b)(1)(F); HSC 6.7 25284.2

Inspector Comments: Per UST monitoring system certification report, the 91 spill bucket failed initial test. Technician discovered drain assembly and O-ring were damaged. Technician replaced drain assembly and O-ring on-site and retested. 91 spill bucket passed during retest.

Leak detection equipment properly installed, calibrated, operated, and maintained

Comply by 6/21/2019

Failure of the leak detection equipment to be installed, calibrated, operated, and/or maintained properly. 23 CCR 16 2638(a), 2641(j)

Violation Type: Minor Violation

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CUPA PROGRAM INSPECTION REPORT/NOTICE TO COMPLY

FACILITY NAME:	OWNER NAME:	FACILITY ID#:	DATE:
LEMOORE CROSSINGS	AMAR MOWJI	FA0003172	February 20, 2019
FACILITY SITE ADDRESS:	**BUSINESS PHONE:**	**INSPECTION TYPE:**	**INSPECTOR:**
1225 SIERRA CIR LEMOORE, CA 93245	(559) 924-1830	ROUTINE INSPECTION	Susan Lee-Yang - REHS

Inspector Comments: Per UST monitoring system certification report, S1 (87 annular) was tested; however, the technician was unable to restore vacuum to S1. Ensure this is corrected within 90 days.

Leak detection equipment properly installed, calibrated, operated, and maintained — Comply by 6/21/2019

Failure of the leak detection equipment to be installed, calibrated, operated, and/or maintained properly. 23 CCR 16 2638(a), 2641(j) — Violation Type: Minor Violation

Inspector Comments: Per UST monitoring system certification report, S4 (87 sump Fill-STP) was tested; however, the technician was unable to restore vacuum to S4. Ensure this is corrected within 90 days.

Leak detection equipment properly installed, calibrated, operated, and maintained — Comply by 6/21/2019

Failure of the leak detection equipment to be installed, calibrated, operated, and/or maintained properly. 23 CCR 16 2638(a), 2641(j) — Violation Type: Minor Violation

Inspector Comments: Per UST monitoring system certification report, S3 (87 vapor vent-sump) was in alarm upon technician's arrival. Technician was unable to clear vacuum to S3 due to interstitial failed to hold vacuum. Based on the alarm history and designated operator reports, S3 alarm has been in alarm since February 23,2018. Ensure this is corrected within 90 days.

General Comments and Observations:

Today's site inspection is to conduct the annual inspection of the UST monitoring system. The UST annual monitoring system was performed on January 7, 2019 by Mark Anderson with Banks and Co. The following were noted:

-Our Department has received test results of the annual monitoring certification.
-Spill buckets passed the 5 gal hydrostatic testing.
-LLD passed the 3.0 gph leak detection testing.
-Other than the four sensors noted above, the remaining sensors performed satisfactorily.
-Several violations were noted on the report. Please ensure these items are corrected within 90 days.
-Monthly designated operator reports and annual employee training are up-to-date.

As a reminder, the UST permit will be expired on July 23, 2019. Please ensure the UST portion in CERS is updated and submitted at least 30 days prior to the permit expiration date to allow our office time to process the new permit.

CERTIFICATION OF RETURN TO COMPLIANCE

I certify that the violations noted above on this report have been corrected. I have personally examined any documentation attached to the certification to establish that the violations have been corrected.

Signature:_____ Title:_____ Date:_____

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Environmental Health Serivces Division
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CUPA PROGRAM INSPECTION REPORT/NOTICE TO COMPLY

FACILITY NAME:	OWNER NAME:	FACILITY ID#:	DATE:
LEMOORE CROSSINGS	AMAR MOWJI	FA0003172	February 20, 2019
FACILITY SITE ADDRESS:	**BUSINESS PHONE:**	**INSPECTION TYPE:**	**INSPECTOR:**
1225 SIERRA CIR LEMOORE, CA 93245	(559) 924-1830	ROUTINE INSPECTION	Susan Lee-Yang - REHS

Susan Lee-Yang - REHS

Received By:

Environmental Health Officer
UST Inspector ICC Certification # - 8158673

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Environmental Health Serivces Division
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Internet - www.countyofkings.com/health/ehs

CUPA PROGRAM INSPECTION REPORT/NOTICE TO COMPLY

FACILITY NAME:	OWNER NAME:	FACILITY ID#:	DATE:
LEMOORE CROSSINGS	AMAR MOWJI	FA0003172	February 23, 2018
FACILITY SITE ADDRESS:	**BUSINESS PHONE:**	**INSPECTION TYPE:**	**INSPECTOR:**
1225 SIERRA CIR LEMOORE, CA 93245	(559) 924-1830	ROUTINE INSPECTION	Luis Flores - REHS

An inspection of your facility revealed the following violations of the California Health and Safety Code and/or California Code of Regulations. A reinspection may occur at any time to verify correction of these violations. Please note the date for correction as listed per violation.

2300 UNDERGROUND STORAGE TANK PROGRAM - PR0007011

Inspection Violations

Inspector Comments: Inspection Conducted, no violations noted

General Comments and Observations:

Annual UST monitoring Certification testing was performed today by Mark Anderson w/ Banks & Co. The following observations were made:

1. All four UDC's were observed in dry condition. Veeder Root 208 sensors in all four dispenser pans engaged all product supply shut-off.
2. All turbine and fill sumps were in dry condition. Turbine sump VR208 sensors shut-down respective tank turbines upon hydro-testing.
3. Each UDC dispenser VR 208 sensor engaged all tank turbine shut-down for supplied products to those dispensers.
4. Secondary containment vacuum loss testing triggered monitoring panel A/V alarms for product supply, vent and vapor lines along with the vent box.
4. All overspill buckets passed 1.0 hr. hydro-testing.
5. All three Veeder-Root PLLD electronic line leak detectors passed 3.0 GPH line leak detection testing and shut-down turbines during leak threshold simulation testing.
6. The vent box VR 208 sensor activated a monitoring panel A/V alarm.
7. Fail Safe and sensor out testing both deactivated the UST operational system.
8. The emergency stop button shut-down the tank turbines and inactivated dispenser operation.
9. Monthly D.O. inspection reports are being documented and properly completed by John Honnette.
10. Employee training is up to date.

Submit a copy of today's inspection report to the King County Health Department's Division of Environmental Health within the next 30 days.

Luis Flores - REHS

Received By:

Environmental Health Officer
UST Inspector ICC Certification # - 8163593

County of Kings - Department of Public Health
Environmental Health Serivces Division
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Phone - 559-584-1411 Fax - 559-584-6040
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CUPA PROGRAM INSPECTION REPORT/NOTICE TO COMPLY

FACILITY NAME:	OWNER NAME:	FACILITY ID#:	DATE:
LEMOORE CROSSINGS	AMAR MOWJI	FA0003172	January 02, 2020
FACILITY SITE ADDRESS:	**BUSINESS PHONE:**	**INSPECTION TYPE:**	**INSPECTOR:**
1225 SIERRA CIR LEMOORE, CA 93245	(559) 924-1830	ROUTINE INSPECTION	Luis Flores - REHS

An inspection of your facility revealed the following violations of the California Health and Safety Code and/or California Code of Regulations. A reinspection may occur at any time to verify correction of these violations. Please note the date for correction as listed per violation.

2300 UNDERGROUND STORAGE TANK PROGRAM - PR0007011

Inspection Violations

Facility has an approved Monitoring Plan. Comply by 2/1/2020

Failure to have an approved UST Monitoring Plan. 23 CCR 16 2632(d)(1), 2634(d), 2641(h)

Violation Type: Minor Violation

Inspector Comments: The existing UST monitoring plan does not include the plumbing layout for product supply lines, vapor return lines, and tank vent lines. The plan also does not show the location of the tank system's exterior overfill alarm. Update the site map to include all required information.

General Comments and Observations:

Annual UST monitoring Certification testing was performed today by Robert Jacobo w/ Banks & Co. The following observations were made:

1. All turbine sumps, fill sumps, and the four UDC's were observed in dry condition.
2. Each Veeder Root 208 sensor located in each of the four dispenser pans engaged fuel tank shut-off of each product supplied to a dispenser. Note: Only dispensers 3/4 and 7/8 provide diesel fuel supply in additional to gasoline grades.
3. Secondary containment vacuum loss testing triggered monitoring panel A/V alarms for product supply, vent and vapor lines along with the vent box with the sole exception of S-3 which has been in no vacuum alarm for a year. This sensor is programmed to continuously monitor the '87 vapor return secondary containment pipe along with the tank vent line.
4. All overspill buckets passed 1.0 hr. hydro-testing.
5. All three Veeder-Root PLLD electronic line leak detectors passed 3.0 GPH line leak detection testing and shut-down turbines during leak threshold simulation testing.
6. The vent box VR 208 sensor activated a monitoring panel A/V alarm.
7. Fail Safe and sensor out testing both deactivated the UST operational system.
8. The emergency stop button shut-down the tank turbines and inactivated dispenser operation.
9. Monthly D.O. inspection reports are being performed by John Honnette. The documentation is being properly prepared and maintained at this time.
10. Employee training is up to date.

Submit a copy of today's inspection report to the King County Health Department's Division of Environmental Health within the next 30 days.

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CUPA PROGRAM INSPECTION REPORT/NOTICE TO COMPLY

FACILITY NAME:	OWNER NAME:	FACILITY ID#:	DATE:
LEMOORE CROSSINGS	AMAR MOWJI	FA0003172	January 02, 2020
FACILITY SITE ADDRESS:	**BUSINESS PHONE:**	**INSPECTION TYPE:**	**INSPECTOR:**
1225 SIERRA CIR LEMOORE, CA 93245	(559) 924-1830	ROUTINE INSPECTION	Luis Flores - REHS

CERTIFICATION OF RETURN TO COMPLIANCE

I certify that the violations noted above on this report have been corrected. I have personally examined any documentation attached to the certification to establish that the violations have been corrected.

Signature:_____ Title:_____ Date:_____

Luis Flores - REHS

Received By:

Environmental Health Officer
UST Inspector ICC Certification # - 8163593

County of Kings - Department of Public Health
Environmental Health Serivces Division
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CUPA PROGRAM INSPECTION REPORT/NOTICE TO COMPLY

FACILITY NAME:	OWNER NAME:	FACILITY ID#:	DATE:
LEMOORE CROSSINGS	AMAR MOWJI	FA0003172	March 01, 2017
FACILITY SITE ADDRESS:	**BUSINESS PHONE:**	**INSPECTION TYPE:**	**INSPECTOR:**
1225 SIERRA CIR LEMOORE, CA 93245	(559) 924-1830	ROUTINE INSPECTION	Luis Flores - REHS

An inspection of your facility revealed the following violations of the California Health and Safety Code and/or California Code of Regulations. A reinspection may occur at any time to verify correction of these violations. Please note the date for correction as listed per violation.

2300 UNDERGROUND STORAGE TANK PROGRAM - PR0007011

Inspection Violations

Primary and secondary containment passed post installation testing per manufacturers guidelines — Comply by 3/31/2017

Failure to test and pass the primary and secondary containment installation testing per manufacturers guidelines. 23 CCR 16 2636(e)

Violation Type: Minor Violation

Inspector Comments: UDC 1/2: The VR 208 sensor did not shut-down either 87 nor 91 grade tank turbine pumps when hydro-tested as required although a monitoring panel A/V alarm was activated. The monitoring panel was re-programmed by the service technician and the proper functionality was established along with product supply turbine shut-down.

Overfill prevention system has not been overridden and meets overfill requirements — Comply by 3/31/2017

Failure of the overfill prevention system to meet one of the following requirements:
1. Alert the transfer operator when the tank is 90 percent full by restricting the flow into the tank or triggering an audible and visual alarm; or
2. Restrict delivery of flow to the tank at least 30 minutes before the tank overfills, provided the restriction occurs when the tank is filled to no more than 95 percent of capacity; and activate an audible alarm at least five minutes before the tank overfills; or
3. Provide positive shut-off of flow to the tank when the tank is filled to no more than 95 percent of capacity; or
4. Provide positive shut-off of flow to the tank so that none of the fittings located on the top of the tank are exposed to product due to overfilling. 23 CCR 16 2635(b)(2), 2665

Violation Type: Minor Violation

Inspector Comments: The exterior over fill audio/visual alarm did not function when an overfill simulation test was performed for the diesel tank.

Overfill prevention system has not been overridden and meets overfill requirements — Comply by 3/31/2017

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CUPA PROGRAM INSPECTION REPORT/NOTICE TO COMPLY

FACILITY NAME:	OWNER NAME:	FACILITY ID#:	DATE:
LEMOORE CROSSINGS	AMAR MOWJI	FA0003172	March 01, 2017
FACILITY SITE ADDRESS:	**BUSINESS PHONE:**	**INSPECTION TYPE:**	**INSPECTOR:**
1225 SIERRA CIR LEMOORE, CA 93245	(559) 924-1830	ROUTINE INSPECTION	Luis Flores - REHS

Failure of the overfill prevention system to meet one of the following requirements:
1. Alert the transfer operator when the tank is 90 percent full by restricting the flow into the tank or triggering an audible and visual alarm; or
2. Restrict delivery of flow to the tank at least 30 minutes before the tank overfills, provided the restriction occurs when the tank is filled to no more than 95 percent of capacity; and activate an audible alarm at least five minutes before the tank overfills; or
3. Provide positive shut-off of flow to the tank when the tank is filled to no more than 95 percent of capacity; or
4. Provide positive shut-off of flow to the tank so that none of the fittings located on the top of the tank are exposed to product due to overfilling. 23 CCR 16 2635(b)(2), 2665

Violation Type: Minor Violation

Inspector Comments: The exterior over fill audio/visual alarm did not function when an overfill simulation test was performed for the 87 grade tank.

Overfill prevention system has not been overridden and meets overfill requirements

Comply by 3/31/2017

Failure of the overfill prevention system to meet one of the following requirements:
1. Alert the transfer operator when the tank is 90 percent full by restricting the flow into the tank or triggering an audible and visual alarm; or
2. Restrict delivery of flow to the tank at least 30 minutes before the tank overfills, provided the restriction occurs when the tank is filled to no more than 95 percent of capacity; and activate an audible alarm at least five minutes before the tank overfills; or
3. Provide positive shut-off of flow to the tank when the tank is filled to no more than 95 percent of capacity; or
4. Provide positive shut-off of flow to the tank so that none of the fittings located on the top of the tank are exposed to product due to overfilling. 23 CCR 16 2635(b)(2), 2665

Violation Type: Minor Violation

Inspector Comments: The exterior over fill audio/visual alarm did not function when an overfill simulation test was performed for the 91 grade tank.

Owner/Operator has tested and certified leak detection equipment annually

Comply by 3/31/2017

Failure to test leak detection equipment as required every 12 months (VPH, sensor, LLD, ATG, etc.) and/or submit monitoring system certification to the CUPA within 30 days of completion of the test 23 CCR 16 2638

Violation Type: Class I Violation

Inspector Comments: Annual monitoring certification testing has not been performed by the due date for the last few years. It shall be noted that the annual test date for this facility is June. The test date for this facility will be moved forward by a few months every year until such time as the testing is returned to June. Next year the test will be January 2018 followed by October 2019, August 2020, and June 2021.

Primary and secondary containment passed post installation testing per manufacturers guidelines

Comply by 3/31/2017

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CUPA PROGRAM INSPECTION REPORT/NOTICE TO COMPLY

FACILITY NAME:	OWNER NAME:	FACILITY ID#:	DATE:
LEMOORE CROSSINGS	AMAR MOWJI	FA0003172	March 01, 2017
FACILITY SITE ADDRESS:	**BUSINESS PHONE:**	**INSPECTION TYPE:**	**INSPECTOR:**
1225 SIERRA CIR LEMOORE, CA 93245	(559) 924-1830	ROUTINE INSPECTION	Luis Flores - REHS

Failure to test and pass the primary and secondary containment installation testing per manufacturers guidelines. 23 CCR 16 2636(e)

Violation Type: Minor Violation

Inspector Comments: UDC 3/4: The VR 208 sensor did not shut-down either the diesel, 87, nor 91 grade tank turbine pumps when hydro-tested as required although a monitoring panel A/V alarm was activated. The monitoring panel was re-programmed by the service technician and the proper functionality was established along with product supply turbine shut-down.

The annular space of the tank, piping and sumps are continously monitored and activates the alarm

Comply by 3/31/2017

Failure to continuously monitor the interstitial space of the tank, piping and/or sumps such that the leak detection activates an audible/visual alarm when a leak is detected. 23 CCR 16 2631(g), 2632(c)(2)(A)&(B), 2633(c), 2636(f)

Violation Type: Minor Violation

Inspector Comments: The 87 grade tank's VR420 sensor did not activate an A/V alarm upon hydro-testing. The sensor was replaced and properly functioned upon replacement.

General Comments and Observations:

Annual UST monitoring Certification testing was performed today by Mark Anderson and Randy Allen w/ Banks & Co. The following observations were made:

1. All four UDC's were observed in dry condition. Veeder Root 208 sensors in dispenser pans 5/6 and 7/8 engaged all product supply shut-off.
2. All turbine sumps were in dry condition along with fill sumps with the exception of the 91 product fill sump.
3. All three Veeder-Root PLLD electronic line leak detectors passed 3.0 GPH line leak detection testing and shut-down turbines during leak threshold simulation testing.
4. The vent box VR 208 sensor activated a monitoring panel A/V alarm.
5. Fail Safe and sensor out was performed and deactivated the UST operational system when tested.
6. The facility's emergency stop button inactivated all dispensers and shut-down turbines when tested.
7. Monthly D.O. inspection reports are being documented and properly completed.

Make all required repairs within the next 30 days and submit a copy of today's inspection report to the King County Health Department's Division of Environmental Health within the next 30 days.

CERTIFICATION OF RETURN TO COMPLIANCE

I certify that the violations noted above on this report have been corrected. I have personally examined any documentation attached to the certification to establish that the violations have been corrected.

Signature:_____ Title:_____ Date:_____

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Environmental Health Serivces Division
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CUPA PROGRAM INSPECTION REPORT/NOTICE TO COMPLY

FACILITY NAME:	OWNER NAME:	FACILITY ID#:	DATE:
LEMOORE CROSSINGS	AMAR MOWJI	FA0003172	March 01, 2017
FACILITY SITE ADDRESS:	**BUSINESS PHONE:**	**INSPECTION TYPE:**	**INSPECTOR:**
1225 SIERRA CIR LEMOORE, CA 93245	(559) 924-1830	ROUTINE INSPECTION	Luis Flores - REHS

Luis Flores - REHS

Received By:

Environmental Health Officer
UST Inspector ICC Certification # - 8163593

County of Kings - Department of Public Health
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CUPA PROGRAM INSPECTION REPORT/NOTICE TO COMPLY

FACILITY NAME:	OWNER NAME:	FACILITY ID#:	DATE:
LEMOORE CROSSINGS	AMAR MOWJI	FA0003172	January 20, 2016
FACILITY SITE ADDRESS:	**BUSINESS PHONE:**	**INSPECTION TYPE:**	**INSPECTOR:**
1225 SIERRA CIR LEMOORE, CA 93245	(559) 924-1830	ROUTINE INSPECTION	Veronica Ochoa -REHS

An inspection of your facility revealed the following violations of the California Health and Safety Code and/or California Code of Regulations. A reinspection may occur at any time to verify correction of these violations. Please note the date for correction as listed per violation.

2300 UNDERGROUND STORAGE TANK PROGRAM - PR0007011

Inspection Violations

Leak detection equipment properly programmed or properly operated — Comply by 2/19/2016

Failure of the leak detection equipment to be properly programmed or properly operated. 23 CCR 16 2632, 2634, 2636, 2666

Violation Type: Minor Violation

Inspector Comments: The 91 STP sensor did not provide positive shut-down. As a result, please replace and/or replace the sensor and retest it to ensure it provides positive shut-down.

Spill bucket to has a minimum capacity of five gallons — Comply by 2/19/2016

Failure of the spill bucket to have a minimum capacity of five gallons. 23 CCR 16 2635(b), 2665

Violation Type: Minor Violation

Inspector Comments: The 91 spill bucket failed. Please repair to function and retest it to verify the repair.

General Comments and Observations:

Randy Allen and Mark Anderson with Banks & Co. were onsite today to perform an annual certification of the leak monitoring system. Line leak detectors, leak monitoring sensors, and spill buckets were tested.

The electronic line leak detectors (3) were tested and functioned properly. STP sensors for the diesel and 87 provided positive shut-off. The dispenser sensors (4) also provided positive shut-off. The fill sump sensors (3), vent sump sensor (1), and all vacuum sensors (12 functioned properly. The S5 sensor and S1 need to be reprogrammed on the monitoring system; currently S5 states it is the annular sensor for 91 but it is actually the annular sensor for 87. Overfill (3) provided audio visual alarm. Fail safe and sensor out were tested and functioned properly.

The designated operator log was reviewed and noted to be maintained. Employee training was noted up-to-date.

Please forward copies of all test reports to our office within 30 days.

County of Kings - Department of Public Health
Environmental Health Serivces Division
330 Campus Drive Hanford, CA 93230
Phone - 559-584-1411 Fax - 559-584-6040
Internet - www.countyofkings.com/health/ehs

CUPA PROGRAM INSPECTION REPORT/NOTICE TO COMPLY

FACILITY NAME:	OWNER NAME:	FACILITY ID#:	DATE:
LEMOORE CROSSINGS	AMAR MOWJI	FA0003172	January 20, 2016
FACILITY SITE ADDRESS:	**BUSINESS PHONE:**	**INSPECTION TYPE:**	**INSPECTOR:**
1225 SIERRA CIR LEMOORE, CA 93245	(559) 924-1830	ROUTINE INSPECTION	Veronica Ochoa -REHS

CERTIFICATION OF RETURN TO COMPLIANCE

I certify that the violations noted above on this report have been corrected. I have personally examined any documentation attached to the certification to establish that the violations have been corrected.

Signature:_____ Title:_____ Date:_____

Veronica Ochoa -REHS

Received By:

Environmental Health Officer
UST Inspector ICC Certification # - 8122337

County of Kings - Department of Public Health
Environmental Health Serivces Division
330 Campus Drive Hanford, CA 93230
Phone - 559-584-1411 Fax - 559-584-6040
Internet - www.countyofkings.com/health/ehs

CUPA PROGRAM INSPECTION REPORT/NOTICE TO COMPLY

FACILITY NAME:	OWNER NAME:	FACILITY ID#:	DATE:
LEMOORE CROSSINGS FOODMART & GAS	TUSCANY INVESTMENTS	FA0003172	June 10, 2008
FACILITY SITE ADDRESS:	**BUSINESS PHONE:**	**INSPECTION TYPE:**	**INSPECTOR:**
1225 SIERRA CIR LEMOORE, CA 93245	(209) 969-0342	ROUTINE INSPECTION	Jeff Taber

An inspection of your facility revealed the following violations of the California Health and Safety Code and/or California Code of Regulations. A reinspection may occur at any time to verify correction of these violations. Please note the date for correction as listed per violation.

HAZARDOUS MATERIALS BUSINESS PLANS - PR0006853

Inspection Violations

Inspector Comments: Inspection conducted, no violations noted

General Comments and Observations:

*Plan is current and up to date.

UNDERGROUND STORAGE TANK PROGRAM - PR0007011

Inspection Violations

Inspector Comments: Inspection conducted, no violations noted

General Comments and Observations:

*Banks and Co. were onsite today to perform monitoring certification testing at this new facility. The test was performed by Phil Lyman of Banks and Co. Mr. Lyman presented to me all of his appropriate ICC certifications and I observed them to be current and up to date.

*The results of the monitoring certification testing were as follows:

* All leak monitoring liquid and vacuum sensors and line leak detectors were tested. Sensors for fail safe and E-stop alarms were also tested.

* All equipment tested satisfactorily with the exception of the PLD.

*Pressure/line Monitor box used to test PLD was not operating correctly. please call 362-8149 when test is ready to be performed.

*Banks and Co. has agreed to be the facility's DO.Training of the facility employees will be required.

*Banks and Co. has agreed to fax a layout of the UST system with regards to the various zones for the purpose of operator identification if an alarm is activated. They will also post a copy onsite.

Owner was left with paperwork for CFO, site map for UST, and B.0.E.# for vacuum.

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CUPA PROGRAM INSPECTION REPORT/NOTICE TO COMPLY

FACILITY NAME:	OWNER NAME:	FACILITY ID#:	DATE:
LEMOORE CROSSINGS FOODMART & GAS	TUSCANY INVESTMENTS	FA0003172	June 10, 2008
FACILITY SITE ADDRESS:	**BUSINESS PHONE:**	**INSPECTION TYPE:**	**INSPECTOR:**
1225 SIERRA CIR LEMOORE, CA 93245	(209) 969-0342	REVIEW TANK TEST/LEAK MONITORING REPORT	Jeff Taber

Received by:

Signature

Jeff Taber

Environmental Health Officer
UST Inspector ICC Certification # - 5266812-UI

County of Kings - Department of Public Health
Environmental Health Serivces Division
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CUPA PROGRAM INSPECTION REPORT/NOTICE TO COMPLY

FACILITY NAME:	OWNER NAME:	FACILITY ID#:	DATE:
LEMOORE CROSSINGS FOODMART & GAS	AMAR MOWJI	FA0003172	July 02, 2010
FACILITY SITE ADDRESS:	**BUSINESS PHONE:**	**INSPECTION TYPE:**	**INSPECTOR:**
1225 SIERRA CIR LEMOORE, CA 93245	(559) 924-1830	ROUTINE INSPECTION	Troy Hommerding-REHS

An inspection of your facility revealed the following violations of the California Health and Safety Code and/or California Code of Regulations. A reinspection may occur at any time to verify correction of these violations. Please note the date for correction as listed per violation.

2300 UNDERGROUND STORAGE TANK PROGRAM - PR0007011

Inspection Violations

LEAK MONITORING EQUIPMENT NOT PROPERLY MAINTAINED Comply by 8/1/2010 Complied on 7/2/2010
[T23 CCR 2630 (d)] Violation Type: Minor Violation

Inspector Comments: The float sensor in the 1-2 UDC was noted pulled up from the bottom and liquid was noted in the UDC. After talking with the store operator, he stated someone ran into the 1-2 dispenser sometime on June 29, 2010 which caused one of the union joints to loosen and leak fuel into the UDC, causing the float sensor to go into alarm on June 29, 2010 at 1:34 PM. A service person was called out and the leak repaired. However, the sensor was moved up above the fuel was left in the UDC due to the service person not having the correct liquid removal device.

Today the liquid was removed by Banks & Co. and the sensor replaced into the proper location.

MONITORING EQUIPMENT NOT CERTIFIED EVERY 12 MONTHS Comply by 8/1/2010
[T23 CCR 2638] Violation Type: Minor Violation

Inspector Comments: The Diesel Tank today did not have sufficient fuel levels to conduct the annual monitoring certification tests. The turbine was noted shut-off due to low product level. This must be corrected and tested with in 30 days. Please call this office 24 hours prior to testing to schedule an inspection on the monitoring sensors.

General Comments and Observations:

RJ Environmental (Paul & Chris) was on site to day to conduct the annual monitoring certification. Spill buckets were hydrostatically tested and passed. All sensors checked today, with the exception diesel tank sump sensors and smart sensors, were tested and functioned properly.

DO reports were reviewed with the store operator and were up to date. John Honnette is the DO for this facility.

Please forward all test results to this office with in 30 days.

The diesel Sump and smart sensors must be tested with in the next 30 days. Please call 24 hours prior to testing to schedule an inspection with this office.

CERTIFICATION OF RETURN TO COMPLIANCE

I certify that the violations noted above on this report have been corrected. I have personally examined any documentation attached to the certification to establish that the violations have been corrected.

Signature:_____ Title:_____ Date:_____

County of Kings - Department of Public Health
Environmental Health Serivces Division
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CUPA PROGRAM INSPECTION REPORT/NOTICE TO COMPLY

FACILITY NAME:	OWNER NAME:	FACILITY ID#:	DATE:
LEMOORE CROSSINGS FOODMART & GAS	AMAR MOWJI	FA0003172	July 02, 2010
FACILITY SITE ADDRESS:	**BUSINESS PHONE:**	**INSPECTION TYPE:**	**INSPECTOR:**
1225 SIERRA CIR LEMOORE, CA 93245	(559) 924-1830	ROUTINE INSPECTION	Troy Hommerding-REHS

Mailed to operator

Received By:

Troy Hommerding-REHS

Environmental Health Officer
UST Inspector ICC Certification # - 5268607-UI

County of Kings - Department of Public Health
Environmental Health Serivces Division
330 Campus Drive Hanford, CA 93230
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Internet - www.countyofkings.com/health/ehs

CUPA PROGRAM INSPECTION REPORT/NOTICE TO COMPLY

FACILITY NAME:	OWNER NAME:	FACILITY ID#:	DATE:
LEMOORE CROSSINGS FOODMART & GAS	AMAR MOWJI	FA0003172	July 29, 2011
FACILITY SITE ADDRESS:	**BUSINESS PHONE:**	**INSPECTION TYPE:**	**INSPECTOR:**
1225 SIERRA CIR LEMOORE, CA 93245	(559) 924-1830	ROUTINE INSPECTION	Raymond Cooke - REHS

An inspection of your facility revealed the following violations of the California Health and Safety Code and/or California Code of Regulations. A reinspection may occur at any time to verify correction of these violations. Please note the date for correction as listed per violation.

2101 HAZARDOUS MATERIALS BUSINESS PLANS - PR0006853

Inspection Violations

INVENTORY OF HAZARDOUS MATERIALS NOT ACCURATE — Comply by 8/28/2011 — Complied on 7/29/2011

[HSC 25504, TITLE 19 CCR 2729] — Violation Type: Minor Violation

Inspector Comments: Carbon dioxide was not included in the inventory.

General Comments and Observations:

The business plan was reviewed with the store manager Chris Vater. Carbon dioxide was added to the inventory as was the phone number for the store.

2300 UNDERGROUND STORAGE TANK PROGRAM - PR0007011

Inspection Violations

LEAK MONITORING EQUIPMENT NOT PROPERLY MAINTAINED — Comply by 8/28/2011

[T23 CCR 2630 (d)] — Violation Type: Minor Violation

Inspector Comments: Repair vacuum sensor s-4 so that it functions properly. Currently monitor shows vacuum warning; however, vacuum readings are within proper range.

OWNER DOES NOT HAVE A BOE REGISTRATION NUMBER — Comply by 8/28/2011

[HSC 25286 (c)(9)] — Violation Type: Minor Violation

Inspector Comments: The UST Permit does not include a BOE number. Please submit within 30 days.

General Comments and Observations:

Ronnie Humphries and tom from R.J. Environmental were on site today to perform an annual certification of the leak monitoring system. All leak monitoring sensors, line leak detectors, and spill buckets were tested.

The electronic line leak detectors functioned properly. The STP sensors (3) and the dispensers sensors (4) provided positive shut off. The fill stumps sumps (3), vacuum sensors (12) provide audio visual only. The diesel spill bucket, fail safe, and overfill were checked after I left. All systems functioned properly except that the vacuum sensor s-4 was in alarm indicating a warning. (The vacuum reading was ok.)

The monthly designated operator log was reviewed. The log is being maintained satisfactory.

Please forward copies of all test reports to our office within 30 days.

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CUPA PROGRAM INSPECTION REPORT/NOTICE TO COMPLY

FACILITY NAME:	OWNER NAME:	FACILITY ID#:	DATE:
LEMOORE CROSSINGS FOODMART & GAS	AMAR MOWJI	FA0003172	July 29, 2011
FACILITY SITE ADDRESS:	**BUSINESS PHONE:**	**INSPECTION TYPE:**	**INSPECTOR:**
1225 SIERRA CIR LEMOORE, CA 93245	(559) 924-1830	ROUTINE INSPECTION	Raymond Cooke - REHS

CERTIFICATION OF RETURN TO COMPLIANCE

I certify that the violations noted above on this report have been corrected. I have personally examined any documentation attached to the certification to establish that the violations have been corrected.

Signature:_____ Title:_____ Date:_____

Received By:

Raymond Cooke - REHS

Environmental Health Officer
UST Inspector ICC Certification # - 5266670-UI

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Environmental Health Serivces Division
330 Campus Drive Hanford, CA 93230
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Internet - www.countyofkings.com/health/ehs

CUPA PROGRAM INSPECTION REPORT/NOTICE TO COMPLY

FACILITY NAME:	OWNER NAME:	FACILITY ID#:	DATE:
LEMOORE CROSSINGS FOODMART & GAS	AMAR MOWJI	FA0003172	February 25, 2014
FACILITY SITE ADDRESS:	**BUSINESS PHONE:**	**INSPECTION TYPE:**	**INSPECTOR:**
1225 SIERRA CIR LEMOORE, CA 93245	(559) 924-1830	ROUTINE INSPECTION	Veronica Santa Cruz-REHS

An inspection of your facility revealed the following violations of the California Health and Safety Code and/or California Code of Regulations. A reinspection may occur at any time to verify correction of these violations. Please note the date for correction as listed per violation.

2101 HAZARDOUS MATERIALS BUSINESS PLANS - PR0006853

Inspection Violations

CERS INFORMATION ON STATE WEBSITE

[HSC 25404] Violation Type: Minor Violation

Inspector Comments: The facility needs to input the facility's hazardous materials on the CERS website within 30 days. The facility has a 20,000 gasoline UST, 10,000 Diesel UST, and 420 cubic feet carbon dioxide tank. All of the mentioned items need to imputed on the CERS website (cers.calepa.ca.gov).

General Comments and Observations:

The facility's inventory was up to date and employee training was observed current. However, this facility needs to create a CERS account and input all the facility's information in CERS. Should assistance be needed, please feel free to contact our Department.

CERTIFICATION OF RETURN TO COMPLIANCE

I certify that the violations noted above on this report have been corrected. I have personally examined any documentation attached to the certification to establish that the violations have been corrected.

Signature:_____ Title:_____ Date:_____

Receive

Veronica Santa Cruz-REHS

Environmental Health Officer
UST Inspector ICC Certification # - {EMB122337

County of Kings - Department of Public Health
Environmental Health Serivces Division
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Internet - www.countyofkings.com/health/ehs

CUPA PROGRAM INSPECTION REPORT/NOTICE TO COMPLY

FACILITY NAME:	OWNER NAME:	FACILITY ID#:	DATE:
LEMOORE CROSSINGS FOODMART & GAS	AMAR MOWJI	FA0003172	February 25, 2014
FACILITY SITE ADDRESS:	**BUSINESS PHONE:**	**INSPECTION TYPE:**	**INSPECTOR:**
1225 SIERRA CIR LEMOORE, CA 93245	(559) 924-1830	ROUTINE INSPECTION	Veronica Santa Cruz-REHS

An inspection of your facility revealed the following violations of the California Health and Safety Code and/or California Code of Regulations. A reinspection may occur at any time to verify correction of these violations. Please note the date for correction as listed per violation.

2300 UNDERGROUND STORAGE TANK PROGRAM - PR0007011

Inspection Violations

NO CERS INFORMATION ON STATE WEBSITE Comply by 3/27/2014

HSC 25404 Violation Type: Minor Violation

Inspector Comments: Please create an account on the CERS website to input the facility's tank information. Should you need assistance, please feel free to contact our Department.

General Comments and Observations:

Charles Allen (ICC# 8022806 exp. 3-25-15) and Mark from Banks & Co. were on site to perform an annual certification of the leak monitoring system. Typically, the annual monitoring certification must be completed in July; however, the monitoring certification was not performed in July 2013 due to repairs needed to be made to the system. A grant was received and just recently were the required repairs made. As a result, any future monitoring certifications are to be done every February.

The electronic line leak detectors (3) functioned properly. STP sensors (3) and dispenser sensors (4) provided positive shut-off. The fill sump sensors (3), vent sump sensor, and all vacuum sensors (12) functioned properly. Overfill provided audio visual and sensor out functioned properly. The spill buckets were also tested and passed.

The designated operator log was reviewed and noted to be maintained. Record of up-to-date employee training was on file.

The UST tank permit will be expiring this year; as a result, the permit will be up dated. However, all of the UST tank information needs to be imputed on CERS (California Environmental Reporting System) at cers.calepa.ca.gov within 30 days.

CERTIFICATION OF RETURN TO COMPLIANCE

I certify that the violations noted above on this report have been corrected. I have personally examined any documentation attached to the certification to establish that the violations have been corrected.

Signature:_____ Title:_____ Date:_____

Receive

Veronica Santa Cruz-REHS

Environmental Health Officer

UST Inspector ICC Certification # - {EMB122337

County of Kings - Department of Public Health
Environmental Health Serivces Division
330 Campus Drive Hanford, CA 93230
Phone - 559-584-1411 Fax - 559-584-6040
Internet - www.countyofkings.com/health/ehs

CUPA PROGRAM INSPECTION REPORT/NOTICE TO COMPLY

FACILITY NAME:	OWNER NAME:	FACILITY ID#:	DATE:
LEMOORE CROSSINGS FOODMART & GAS	BHOOPENDRA MOWJI	FA0003172	June 23, 2009
FACILITY SITE ADDRESS:	**BUSINESS PHONE:**	**INSPECTION TYPE:**	**INSPECTOR:**
1225 SIERRA CIR LEMOORE, CA 93245	(209) 969-0342	ROUTINE INSPECTION	Raymond Cooke - REHS

An inspection of your facility revealed the following violations of the California Health and Safety Code and/or California Code of Regulations. A reinspection may occur at any time to verify correction of these violations. Please note the date for correction as listed per violation.

2300 UNDERGROUND STORAGE TANK PROGRAM - PR0007011

Inspection Violations

MONTHLY VISUAL INSPECTIONS NOT BEING CONDUCTED — Comply by 7/23/2009
[T23 CCR 2715 (c)] — Violation Type: Minor Violation
Inspector Comments: Monthly designated operator inspections are not being conducted. Contact a designated operator service ASAP.

INADEQUATE TRAINING FOR FACILITY EMPLOYEES — Comply by 7/23/2009
[T23 CCR 2715 (f)] — Violation Type: Minor Violation
Inspector Comments: No training of employees has been conducted.

LEAK MONITORING EQUIPMENT NOT PROPERLY MAINTAINED — Comply by 7/23/2009
[T23 CCR 2630 (d)] — Violation Type: Minor Violation
Inspector Comments: When we arrived on site smart sensors 2, 3, 4, 9, 12 were in alarm. Alarm history indicates that these sensors went into alarm between August and October 2008. When a sensor goes into alarm a service tech needs to be contacted immediately to resolve the issue.

General Comments and Observations:
This facility will be changing ownership on July 1st according to the store manager. The new owner must complete a new application package prior to taking over the facility. Please contact our office for more information.

CERTIFICATION OF RETURN TO COMPLIANCE

I certify that the violations noted above on this report have been corrected. I have personally examined any documentation attached to the certification to establish that the violations have been corrected.

Signature:_____ Title:_____ Date:_____

Received By:

Raymond Cooke - REHS
Environmental Health Officer
UST Inspector ICC Certification # - 5266670-UI

County of Kings - Department of Public Health
Environmental Health Serivces Division
330 Campus Drive Hanford, CA 93230
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Internet - www.countyofkings.com/health/ehs

CUPA PROGRAM INSPECTION REPORT/NOTICE TO COMPLY

FACILITY NAME:	OWNER NAME:	FACILITY ID#:	DATE:
LEMOORE CROSSINGS FOODMART & GAS	AMAR MOWJI	FA0003172	July 02, 2010
FACILITY SITE ADDRESS:	**BUSINESS PHONE:**	**INSPECTION TYPE:**	**INSPECTOR:**
1225 SIERRA CIR LEMOORE, CA 93245	(559) 924-1830	ROUTINE INSPECTION	Troy Hommerding-REHS

An inspection of your facility revealed the following violations of the California Health and Safety Code and/or California Code of Regulations. A reinspection may occur at any time to verify correction of these violations. Please note the date for correction as listed per violation.

2300 UNDERGROUND STORAGE TANK PROGRAM - PR0007011

Inspection Violations

LEAK MONITORING EQUIPMENT NOT PROPERLY MAINTAINED Comply by 8/1/2010 Complied on 7/2/2010

[T23 CCR 2630 (d)] Violation Type: Minor Violation

Inspector Comments: The float sensor in the 1-2 UDC was noted pulled up from the bottom and liquid was noted in the UDC. After talking with the store operator, he stated someone ran into the 1-2 dispenser sometime on June 29, 2010 which caused one of the union joints to loosen and leak fuel into the UDC, causing the float sensor to go into alarm on June 29, 2010 at 1:34 PM. A service person was called out and the leak repaired. However, the sensor was moved up above the fuel was left in the UDC due to the service person not having the correct liquid removal device.

Today the liquid was removed by Banks & Co. and the sensor replaced into the proper location.

MONITORING EQUIPMENT NOT CERTIFIED EVERY 12 MONTHS Comply by 8/1/2010

[T23 CCR 2638] Violation Type: Minor Violation

Inspector Comments: The Diesel Tank today did not have sufficient fuel levels to conduct the annual monitoring certification tests. The turbine was noted shut-off due to low product level. This must be corrected and tested with in 30 days. Please call this office 24 hours prior to testing to schedule an inspection on the monitoring sensors.

General Comments and Observations:

RJ Environmental (Paul & Chris) was on site to day to conduct the annual monitoring certification. Spill buckets were hydrostatically tested and passed. All sensors checked today, with the exception diesel tank sump sensors and smart sensors, were tested and functioned properly.

DO reports were reviewed with the store operator and were up to date. John Honnette is the DO for this facility.

Please forward all test results to this office with in 30 days.

The diesel Sump and smart sensors must be tested with in the next 30 days. Please call 24 hours prior to testing to schedule an inspection with this office.

CERTIFICATION OF RETURN TO COMPLIANCE

I certify that the violations noted above on this report have been corrected. I have personally examined any documentation attached to the certification to establish that the violations have been corrected.

Signature:_____ Title:_____ Date:_____

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CUPA PROGRAM INSPECTION REPORT/NOTICE TO COMPLY

FACILITY NAME:	OWNER NAME:	FACILITY ID#:	DATE:
LEMOORE CROSSINGS FOODMART & GAS	AMAR MOWJI	FA0003172	July 02, 2010
FACILITY SITE ADDRESS:	**BUSINESS PHONE:**	**INSPECTION TYPE:**	**INSPECTOR:**
1225 SIERRA CIR LEMOORE, CA 93245	(559) 924-1830	ROUTINE INSPECTION	Troy Hommerding-REHS

Mailed to operator

Received By:

Troy Hommerding-REHS

Environmental Health Officer
UST Inspector ICC Certification # - 5268607-UI

County of Kings - Department of Public Health
Environmental Health Serivces Division
330 Campus Drive Hanford, CA 93230
Phone - 559-584-1411 Fax - 559-584-6040
Internet - www.countyofkings.com/health/ehs

CUPA PROGRAM INSPECTION REPORT/NOTICE TO COMPLY

FACILITY NAME:	OWNER NAME:	FACILITY ID#:	DATE:
LEMOORE CROSSINGS FOODMART & GAS	AMAR MOWJI	FA0003172	September 10, 2012
FACILITY SITE ADDRESS:	**BUSINESS PHONE:**	**INSPECTION TYPE:**	**INSPECTOR:**
1225 SIERRA CIR LEMOORE, CA 93245	(559) 924-1830	ROUTINE INSPECTION	Veronica Santa Cruz-REHS

An inspection of your facility revealed the following violations of the California Health and Safety Code and/or California Code of Regulations. A reinspection may occur at any time to verify correction of these violations. Please note the date for correction as listed per violation.

2300 UNDERGROUND STORAGE TANK PROGRAM - PR0007011

Inspection Violations

LEAK MONITORING EQUIPMENT NOT PROPERLY MAINTAINED — Comply by 10/10/2012
[T23 CCR 2630 (d)] — Violation Type: Minor Violation

Inspector Comments: Upon arriving for today's annual monitoring certification, vacuum sensors 3, 4, 6, 7, 9, and 12 were already in alarm and could not be tested. Vacuum sensors 4 and 9 were in alarm since July 29, 2011, which was the date of the facility's last annual monitoring certification. . According to the alarm history, vacuum sensor 3 has been in alarm since 8/17/11, vacuum sensor 7 since 8/18/11, and vacuum sensor 12 since 12/13/11. All of these sensors must be repaired to function properly. Anytime sensors go into alarm, a service technician must be notified immediately to resolve the issue. Please note that designated operator did note theses sensors in alarm on the monthly DO reports.

The electronic line leak detector for the 91 tank failed. Please repair to function.

TESTING NOT CONDUCTED AT REQUIRED INTERVALS — Comply by 10/10/2012
[T23 CCR 2635-2638; HSC 25284.2] — Violation Type: Minor Violation

Inspector Comments: The annual monitoring certification should have been conducted in July. For any future annual monitoring certifications, please have the testing done in July and be sure to notify our department within 48 hours of having the testing completed.

LEAK PREVENTION EQUIPMENT NOT PROPERLY MAINTAINED — Comply by 10/10/2012
[T23 2625 (b) & (c)] — Violation Type: Minor Violation

Inspector Comments: The spill bucket for tank 87 failed. Please repair to function.

General Comments and Observations:

Paul Zorn (ICC# 5255750) and Roger from R.J. Environmental were on site today to perform an annual certification of the leak monitoring system. Line leak detectors, some leak monitoring sensors, and spill buckets were tested.

The electronic line leak detectors for the 87 and diesel functioned properly. The STP sensors (3) and the dispenser sensors (4) provided positive shut-off. The fill sumps (3), vacuum sensors 1, 2, 5, 10, and 11 functioned properly. Overfill provided audio visual and sensor out functioned properly. The vacuum sensors that were already in alarm prior to the annual monitoring certification being conducted today, must be repaired to function.

The monthly designated operator log was reviewed and noted to be maintained satisfactorily.

Please forward copies of all test reports to our office within 30 days.

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CUPA PROGRAM INSPECTION REPORT/NOTICE TO COMPLY

FACILITY NAME:	OWNER NAME:	FACILITY ID#:	DATE:
LEMOORE CROSSINGS FOODMART & GAS	AMAR MOWJI	FA0003172	September 10, 2012
FACILITY SITE ADDRESS:	**BUSINESS PHONE:**	**INSPECTION TYPE:**	**INSPECTOR:**
1225 SIERRA CIR LEMOORE, CA 93245	(559) 924-1830	ROUTINE INSPECTION	Veronica Santa Cruz-REHS

CERTIFICATION OF RETURN TO COMPLIANCE

I certify that the violations noted above on this report have been corrected. I have personally examined any documentation attached to the certification to establish that the violations have been corrected.

Signature:_____ Title:_____ Date:_____

Receive

Veronica Santa Cruz-REHS

Environmental Health Officer
UST Inspector ICC Certification # - {EMB122337

County of Kings - Department of Public Health
Environmental Health Serivces Division
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CUPA PROGRAM INSPECTION REPORT/NOTICE TO COMPLY

FACILITY NAME:	OWNER NAME:	FACILITY ID#:	DATE:
LEMOORE CROSSINGS FOODMART & GAS	TUSCANY INVESTMENTS	FA0003172	August 17, 2007
FACILITY SITE ADDRESS:	**BUSINESS PHONE:**	**INSPECTION TYPE:**	**INSPECTOR:**
1225 SIERRA CIR LEMOORE, CA 93245	(209) 969-0342	CONSTRUCTION/EQUIPMENT INSP	Raymond Cooke

An inspection of your facility revealed the following violations of the California Health and Safety Code and/or California Code of Regulations. A reinspection may occur at any time to verify correction of these violations. Please note the date for correction as listed per violation.

UNDERGROUND STORAGE TANK PROGRAM - PR0007011

Inspection Violations

Inspector Comments: Inspection conducted, no violations noted

General Comments: Banks and Co. (Antonio) was on site today to perform a soap test on the primary piping.
Vapor lines @71-75 psi
Product lines @68-72 psi
All joints passed the soap test; all pressure gauges held pressure readings. Secondary testing will be conducted on or around the 22nd. Please schedule 24 hours in advance.

Antonio stated that the location of the tanks have been reversed from the original plans. The north tank is now the 91/diesel tank (east is the 91) and the south tank is the 87. As built drawings indicating this change and a detailed description of the vacuum zones must be submitted prior to final approval of the system.

Received by:

Signature

Raymond Cooke

Environmental Health Officer
UST Inspector ICC Certification # - 5266670-UI

County of Kings - Department of Public Health
Environmental Health Serivces Division
330 Campus Drive Hanford, CA 93230
Phone - 559-584-1411 Fax - 559-584-6040
Internet - www.countyofkings.com/health/ehs

CUPA PROGRAM INSPECTION REPORT/NOTICE TO COMPLY

FACILITY NAME:	OWNER NAME:	FACILITY ID#:	DATE:
LEMOORE CROSSINGS FOODMART & GAS	TUSCANY INVESTMENTS	FA0003172	August 22, 2007
FACILITY SITE ADDRESS:	**BUSINESS PHONE:**	**INSPECTION TYPE:**	**INSPECTOR:**
1225 SIERRA CIR LEMOORE, CA 93245	(209) 969-0342	CONSTRUCTION/EQUIPMENT INSP	Troy Hommerding

An inspection of your facility revealed the following violations of the California Health and Safety Code and/or California Code of Regulations. A reinspection may occur at any time to verify correction of these violations. Please note the date for correction as listed per violation.

UNDERGROUND STORAGE TANK PROGRAM - PR0007011

Inspection Violations

Inspector Comments: Inspection conducted, no violations noted

General Comments: Banks at Co. was on site today to conduct the secondary pipping test. All clam shell fittings for the product, vent and vapor lines were soap tested and inspected today; no leaks were noted. All Secondary pipping lines were noted holding pressure between 5.5 psi and 7.0 psi. All sumps and dispersers were hydrostatically tested today , no leaks were noted.

Sump risers still need to be installed before final inspection.

Please be sure to submit a detailed diagram showing all monitoring Zones for the alarm system prior to the next site inspection.

Received by:

Signature

Troy Hommerding

Environmental Health Officer

UST Inspector ICC Certification # - 5268607-UI

County of Kings - Department of Public Health
Environmental Health Serivces Division
330 Campus Drive Hanford, CA 93230
Phone - 559-584-1411 Fax - 559-584-6040
Internet - www.countyofkings.com/health/ehs

CUPA PROGRAM INSPECTION REPORT/NOTICE TO COMPLY

FACILITY NAME:	OWNER NAME:	FACILITY ID#:	DATE:
LEMOORE CROSSINGS	AMAR MOWJI	FA0003172	March 01, 2017
FACILITY SITE ADDRESS:	**BUSINESS PHONE:**	**INSPECTION TYPE:**	**INSPECTOR:**
1225 SIERRA CIR LEMOORE, CA 93245	(559) 924-1830	ROUTINE INSPECTION	Luis Flores - REHS

An inspection of your facility revealed the following violations of the California Health and Safety Code and/or California Code of Regulations. A reinspection may occur at any time to verify correction of these violations. Please note the date for correction as listed per violation.

2101 HAZARDOUS MATERIALS BUSINESS PLANS - PR0006853

Inspection Violations

Revisions to the HMBP submitted due to substantial changes in the handler's operations

Comply by 3/31/2017

Failure to submit a revised business plan upon a substantial change in the handler's operations. HSC 6.95 25505(b)

Violation Type: Minor Violation

Inspector Comments: The facility now stores sixteen 5-gallon propane tanks in a cage along the front left-side of the store. This material must be included on the chemical listing as well as the submittal of a new site plan to show the storage locaton.

General Comments and Observations:

A CERS facility submittal recently submitted to our office on 2/28/2017. However, prior to this submittal, no update or re-certification of information had been submitted to this Department as of Feb. 28, 2014. It shall be noted that your facility informational update on CERS is due annually by no later than Aug. 1.

No facility contact or hazardous materials informational have occurred based on the recent CERS update and today's facility inspection.

CERTIFICATION OF RETURN TO COMPLIANCE

I certify that the violations noted above on this report have been corrected. I have personally examined any documentation attached to the certification to establish that the violations have been corrected.

Signature:_____ Title:_____ Date:_____

Luis Flores - REHS

Received By:

Environmental Health Officer
UST Inspector ICC Certification # - 8163593

County of Kings - Department of Public Health
Environmental Health Serivces Division
330 Campus Drive Hanford, CA 93230
Phone - 559-584-1411 Fax - 559-584-6040
Internet - www.countyofkings.com/health/ehs

CUPA PROGRAM INSPECTION REPORT/NOTICE TO COMPLY

FACILITY NAME:	OWNER NAME:	FACILITY ID#:	DATE:
LEMOORE CROSSINGS LLC	AMAR MOWJI	FA0003172	July 08, 2022
FACILITY SITE ADDRESS:	**BUSINESS PHONE:**	**INSPECTION TYPE:**	**INSPECTOR:**
1225 SIERRA CIR LEMOORE, CA 93245	(714) 325-7056	CONSTRUCTION/EQUIP MENT	Liliana Stransky - REHS

An inspection of your facility revealed the following violations of the California Health and Safety Code and/or California Code of Regulations. A reinspection may occur at any time to verify correction of these violations. Please note the date for correction as listed per violation.

2300 UNDERGROUND STORAGE TANK PROGRAM - PR0007011

Inspection Violations

Inspector Comments: Inspection Conducted, no violations noted

General Comments and Observations:

As the repair work to replace the tank sumps and vapor return lines was getting done, technicians from Precision Environmental Services observed UDC's 3/4 & 5/6 beginning to swell. The problem was reported to the owner with the recommendation to also replace the UDCs.

Our department has not received any paperwork to modify the plancheck that was originally submitted and approved on July 2, 2022. Submit a new permit application noting the scope of work for the replacement of the four UDCs by July 11, 2022.

Today's inspection was to complete the soap test for the primary product lines leading to the UDCs. The primary lines passed the soap test and all were noted holding pressure between 49 and 57 psi.

The soap test for the secondary lines has been scheduled for Monday, July 11, 2022 at 1:00PM. Call our office at 559-584-1411 if you need to reschedule the appointment.

A copy of this report will be mailed to the operator for their records.

Liliana Stransky - REHS

Received By:

Environmental Health Officer
UST Inspector ICC Certification # - 526685266806-UI

County of Kings - Department of Public Health
Environmental Health Serivces Division
330 Campus Drive Hanford, CA 93230
Phone - 559-584-1411 Fax - 559-584-6040
Internet - www.countyofkings.com/health/ehs

CUPA PROGRAM INSPECTION REPORT/NOTICE TO COMPLY

FACILITY NAME:	OWNER NAME:	FACILITY ID#:	DATE:
LEMOORE CROSSINGS LLC	AMAR MOWJI	FA0003172	September 28, 2022
FACILITY SITE ADDRESS:	**BUSINESS PHONE:**	**INSPECTION TYPE:**	**INSPECTOR:**
1225 SIERRA CIR LEMOORE, CA 93245	(714) 325-7056	ROUTINE INSPECTION	Veronica Ochoa -REHS

An inspection of your facility revealed the following violations of the California Health and Safety Code and/or California Code of Regulations. A reinspection may occur at any time to verify correction of these violations. Please note the date for correction as listed per violation.

2300 UNDERGROUND STORAGE TANK PROGRAM - PR0007011

Inspection Violations

Inspector Comments: Inspection Conducted, no violations noted

General Comments and Observations:

Adam Taylor (ICC# 8143455 exp. 11-17-2022) with Precision Environmental Services was onsite today to perform the annual monitoring certification (AMC) of the UST system. SB 989 repairs for this site were completed at the end of August 2022 by Precision Environmental Services. During today's AMC, the following was observed:

1. The three line leak detectors were tested and passed.
2. The four 208 UDC sensors provided positive shutdown at the turbines and audio/visual at the alarm panel.
3. The three 208 turbine sump sensors provided positive shutdown and audio/visual at the alarm panel.
4. The three 208 fill sump sensors provided audio/visual at the alarm panel.
5. The three brine fill sump sensors and the three brine turbine sump sensors provided audio/visual at the alarm panel.
6. The one 208 vent sensor provided audio/visual at the alarm panel.
7. The three turbine sump vacuum sensors provided audio/visual at the alarm panel when engaged to loose pressure.
8. The 87 and 91/Diesel annular sensors were tested and passed.
9. The three spill buckets were hydro tested and passed.
10. Fail safe and sensor out were completed.
11. The four brine sensors for the UDC's provided audio/visual at the alarm panel.
12. Do reports were observed satisfactorily maintained and employee training was noted up-to-date.

Note: Adam Taylor with Precision Environmental Services indicated that the SB 989 testing requirement was conducted once the repairs were completed for this site. Our department never received the test results for the SB 989. Please ensure our department is forwarded all test results. Also, since this site just had repairs completed, the annual monitoring certification anniversary date will now be in September.

The facility's overfill testing could not be completed today as the technician did not have the tools available to access the drop tubes. However, the technician, Adam Taylor, stated that the overfill was completed after the repairs to the site were completed in August 2022. If a test report on the day the test was completed can be furnished, our department may be able to count that test as being completed.

Please forward copies of today's AMC test report to our department within 30 days.

County of Kings - Department of Public Health
Environmental Health Serivces Division
330 Campus Drive Hanford, CA 93230
Phone - 559-584-1411 Fax - 559-584-6040
Internet - www.countyofkings.com/health/ehs

CUPA PROGRAM INSPECTION REPORT/NOTICE TO COMPLY

FACILITY NAME:	OWNER NAME:	FACILITY ID#:	DATE:
LEMOORE CROSSINGS LLC	AMAR MOWJI	FA0003172	September 28, 2022
FACILITY SITE ADDRESS:	**BUSINESS PHONE:**	**INSPECTION TYPE:**	**INSPECTOR:**
1225 SIERRA CIR LEMOORE, CA 93245	(714) 325-7056	ROUTINE INSPECTION	Veronica Ochoa -REHS

Veronica Ochoa -REHS

Received By:

Environmental Health Officer
UST Inspector ICC Certification # - 8122337

County of Kings - Department of Public Health
Environmental Health Serivces Division
330 Campus Drive Hanford, CA 93230
Phone - 559-584-1411 Fax - 559-584-6040
Internet - www.countyofkings.com/health/ehs

CUPA PROGRAM INSPECTION REPORT/NOTICE TO COMPLY

FACILITY NAME:	OWNER NAME:	FACILITY ID#:	DATE:
PACIFIC GAS & ELECTRIC COMPANY	PACIFIC GAS & ELECTRIC COMPANY	FA0000233	June 08, 2009
FACILITY SITE ADDRESS:	**BUSINESS PHONE:**	**INSPECTION TYPE:**	**INSPECTOR:**
980 19TH AVE LEMOORE, CA 93245	(559) 924-8105	ROUTINE INSPECTION	Liliana Stransky - REHS

An inspection of your facility revealed the following violations of the California Health and Safety Code and/or California Code of Regulations. A reinspection may occur at any time to verify correction of these violations. Please note the date for correction as listed per violation.

2101 HAZARDOUS MATERIALS BUSINESS PLANS - PR0000889

Inspection Violations

Inspector Comments: Inspection Conducted, no violations noted

General Comments and Observations:

Routine inspection conducted today. All contact information and chemical inventory was reviewed with Michael Martin. No changes were noted at this time.
Traning records are kept on file for the site staff.

2101 HAZARDOUS MATERIALS BUSINESS PLANS - PR0000889

Inspection Violations

Inspector Comments: Inspection Conducted, no violations noted

General Comments and Observations:

Copies of manifests for hazardous waste collection were available for review.
The haz waste storage area was observed well maintained and drums were observed labeled.

Secondary containtment is available for the diesel AGT.

Thank you for your assistance during today's inspection.

Received By:

Liliana Stransky - REHS

Environmental Health Officer
UST Inspector ICC Certification # - 5266806-UI

County of Kings - Department of Public Health
Environmental Health Serivces Division
330 Campus Drive Hanford, CA 93230
Phone - 559-584-1411 Fax - 559-584-6040
Internet - www.countyofkings.com/health/ehs

CUPA PROGRAM INSPECTION REPORT/NOTICE TO COMPLY

FACILITY NAME:	OWNER NAME:	FACILITY ID#:	DATE:
PG&E: LEMOORE SERVICE CENTER	PACIFIC GAS AND ELECTRIC COMPA	FA0004459	October 11, 2016
FACILITY SITE ADDRESS:	**BUSINESS PHONE:**	**INSPECTION TYPE:**	**INSPECTOR:**
980 19TH AVE LEMOORE, CA 93245	(559) 903-3893	ROUTINE INSPECTION	Abel Simon - REHS

An inspection of your facility revealed the following violations of the California Health and Safety Code and/or California Code of Regulations. A reinspection may occur at any time to verify correction of these violations. Please note the date for correction as listed per violation.

1901 ABOVEGROUND PETROLEUM STORAGE TANK - PR0009584

Inspection Violations

Inspector Comments: Inspection Conducted, no violations noted

General Comments and Observations:

On site regulator stated that the above ground tank was removed in 2015.

This facility will no longer be subject to the Aboveground Storage Tank program as of this inspection.

Thank you.

Abel Simon - REHS

Received By:

Environmental Health Officer

County of Kings - Department of Public Health
Environmental Health Serivces Division
330 Campus Drive Hanford, CA 93230
Phone - 559-584-1411 Fax - 559-584-6040
Internet - www.countyofkings.com/health/ehs

CUPA PROGRAM INSPECTION REPORT/NOTICE TO COMPLY

FACILITY NAME:	OWNER NAME:	FACILITY ID#:	DATE:
PG&E: LEMOORE SERVICE CENTER	PACIFIC GAS AND ELECTRIC COMPA	FA0004459	October 11, 2016
FACILITY SITE ADDRESS:	**BUSINESS PHONE:**	**INSPECTION TYPE:**	**INSPECTOR:**
980 19TH AVE LEMOORE, CA 93245	(559) 903-3893	ROUTINE INSPECTION	Abel Simon - REHS

An inspection of your facility revealed the following violations of the California Health and Safety Code and/or California Code of Regulations. A reinspection may occur at any time to verify correction of these violations. Please note the date for correction as listed per violation.

2101 HAZARDOUS MATERIALS BUSINESS PLANS - PR0009582

Inspection Violations

Inspector Comments: Inspection Conducted, no violations noted

General Comments and Observations:

Site map and inventory were noted to be current.

All inventory noted on online California Environmental Reporting System (CERS) was observed to be current.

Thank you.

Abel Simon - REHS

Received By:

Environmental Health Officer

County of Kings - Department of Public Health
Environmental Health Serivces Division
330 Campus Drive Hanford, CA 93230
Phone - 559-584-1411 Fax - 559-584-6040
Internet - www.countyofkings.com/health/ehs

CUPA PROGRAM INSPECTION REPORT/NOTICE TO COMPLY

FACILITY NAME:	OWNER NAME:	FACILITY ID#:	DATE:
PG&E: LEMOORE SERVICE CENTER	PACIFIC GAS AND ELECTRIC COMPA	FA0004459	October 11, 2016
FACILITY SITE ADDRESS:	**BUSINESS PHONE:**	**INSPECTION TYPE:**	**INSPECTOR:**
980 19TH AVE LEMOORE, CA 93245	(559) 903-3893	ROUTINE INSPECTION	Abel Simon - REHS

An inspection of your facility revealed the following violations of the California Health and Safety Code and/or California Code of Regulations. A reinspection may occur at any time to verify correction of these violations. Please note the date for correction as listed per violation.

2213 HAZARDOUS WASTE GENERATOR (LQG >5TONS) - PR0009583

Inspection Violations

Inspector Comments: Inspection Conducted, no violations noted

General Comments and Observations:

Manifests were available for the waste that is consolidated at this site.

Hazardous waste consolidated at this facility comes from various locations located through out Kings County.

Hauler is Phillips West Industrial Services Outsourcing (PSC) and they come every 88 days or more often as needed.

Thank you.

Abel Simon - REHS

Received By:

Environmental Health Officer

QUALIFICATIONS

JOSUE MONTES | PRINCIPAL GEOTECHNICAL ENGINEER

EDUCATION
BS, Civil Engineering, University of Santo Tomas, Philippines, 1983

LICENSE / REGISTRATION
(CA) Licensed Professional Engineer #C52610
(CA) Licensed Geotechnical Engineer #G2904

Mr. Josue Montes has more than 29 years of extensive geotechnical assessment, engineering, construction inspections, and materials testing experience in California with successful leadership roles. His duties include proposal preparation, project management, engineering, and completion of various projects from pre-design to detailed design, materials testing, and construction monitoring. His responsibilties also include business development and project proposal preparation and review, staff mentoring and training, preparation of geotechnical reports, plan details, and geotechnical related specifications. Josue is experienced in managing and performing challenging geotechnical ground investigations, earthwork design and structure foundations, site-specific evaluation of seismic ground motions, and liquefaction and landslide hazard assessments.

RELEVANT PROJECT INVOLVEMENT / EXPERIENCE

AVENUE 7 1/2 BRIDGE, FIREBAUGH

Project Engineer | Mr. Montes served as Project Engineer for the Avenue 7 1/2 Bridge Project. Construction consisted of large diameter deep foundations and of the bridge substructure and superstructure. The bridge consisted of two-span bridge decks, approximately 40 foot wide with pedestrian sidewalks of both sides of the superstructure. His duties included construction inspection and testing of drilling, inspection and monitoring of drilling fluid / slurry, concrete pouring, and post construction testing of concrete poured using gamma-gamma testing.

MAIN STREET BRIDGE, PORTERVILLE

Project Engineer | Mr. Montes served as Project Engineer for the Main Street Bridge Project. The construction consisted of a new 40-foot wide concrete two-span bridge supported on large diameter reinforced concrete piers (CIDH's), on Main Street crossing Tule River. Josue's primary responsibilities included inspections and monitoring of construction of large- diameter CIDH's, its sub-structure (bents and abutments).

CALIFORNIA HIGH SPEED RAIL CP 2-3, LOS ANGELES

Project Manager | Mr. Montes provided Project Management services for the California Speed Rail CP 2-3 Project. The contract includes approximately 65 miles of construction, including embankment, overcrossings / bridges, viaducts, and associated railway / track structures. As the Quality Control laboratory for the project, tasks included materials sampling and testing as required by the project. Sampling of potential borrow sites, prepared embankment subgrade, concrete batching, plate (eV2) testing, nuclear and sand cone testing, lightweight deflectometer tests (LWD), and AASHTO classification of soils. Primary responsibilities include oversight of geotechnical tasks required by the High Speed Rail Contract Package 2-3. Geotechnical tasks included managing laboratory, evaluation of potential borrow sites, haul roads, task coordination, and oversight of field testing (nuke gauge, sand cone, plate test/ eV2, LWD or lightweight deflectometer, grounding test).

WESTSIDE PARKWAY, BAKERSFIELD

Senior Engineer | Mr. Montes served as a Senior Engineer for the Westside Parkway Project. The project included a series of overcrossings and undercrossings along the Westside Parkway alignment located north of the Kern River, west of SR-58. His responsibilities included preparation of laboratory tests on collected soils samples from the field exploration, preparation and review of the foundation engineering report for Caltrans review.

DOLLAR GENERAL STORES, INLAND EMPIRE UTILITIES AGENCY

Geotechnical Engineer-of-Record | Mr. Montes provided geotechnical engineer services for the design and construction of Dollar General Stores in various locations throughout California. The project consisted of single-story masonry and steel commercial buildings on shallow foundations. Different locations required careful evaluation of on-site soils and import soils prior to construction. As the geotechnical-engineer-of-record, his responsibilities included preparation of scope of work for field exploration for geotechnical / foundation investigation in various geographical areas and varying geological deposits. Preparation of laboratory testing of subsurface soils and writing and finalizing of geotechnical investigation reports.

KAWEAH DELTA HOSPITAL, VISALIA

Project Engineer | Mr. Montes served as Project Engineer for the Kaweah Delta Hospital Project. Construction included installation of deep foundations and a rigid grade beam system as support of a multi-story concrete-frame building. His responsibilities included oversight of monitoring and inspections of over 100 reinforced drilled concrete piers at various elevations.

CENTURY 21 OFFICE BUILDING, CALIFORNIA

Project Engineer | Mr. Montes services as Project Engineer for the Century 21 Office Building Project. The project consisted primarily of a high rise building supported on driven pre-stressed square concrete piles. The project included subterranean parking levels. and construction included a Pile Driving Analysis (PDA) program prior to pile production. Josue's duties included oversight of PDA and re-evaluation of pile design. Also monitoring and inspection of production pile driving and evaluation post driving of piles.

PERFORMANCE VENUE, LASED (RAMS STADIUM), LOS ANGELES

Geotechnical Engineer-of-Record | Mr. Montes services as Geotechnical Engineer-of-Record for the Performance Venue project located at the RAMS stadium. The project consisted of construction of a multi-use dome facility adjoining the professional football Los Angeles Rams home playing arena. This project also consisted of a multi-level structure, including a performance / concert, multiple shops, and associated structures, supported mainly of mat foundations. Primary responsibilities included review and evaluation of an existing geotechnical report prepared by others, engineering of foundations based on the available data, and preparation of a foundation engineering report for the planned structure. Josue responded to review comments by multiple layers of peer review, and the permitting agency reviews and comments.

JIM VUE, GIT
STAFF GEOLOGIST

EDUCATION

BS, Geology, California State University, Fresno

CERTIFICATION

CA, Geologist-in-Training (GIT), No. 815
OSHA 40 Hour HAZWOPER Training
Title 22 Drinking Water Certified Water Sampler

PROFILE

Mr. Jim Vue has more than five years of environmental engineering experience in California. He has conducted Phase I Environmental Site Assessment (ESA) throughout California and Phase II ESA, and other environmental sampling throughout the Central Valley. His duties include project coordination, sampling, logging, and report preparation. In addition, Mr. Vue is also proficient in geotechnical logging, sampling, and report preparation.

RELEVANT EXPERIENCE

BEDROSIAN TRUCK SERVICE, FRESNO

Staff Geologist | Mr. Vue served as Staff Geologist for the Bedrosian Truck Service Project. The scope of services for this project included the removal of underground storage tanks and impacted soils, collection of subsurface soil samples, and installation, monitoring, and removal of groundwater wells. His duties included project coordination, permitting, groundwater sampling, soil sampling, and report preparation.

MERCED COUNTY REGIONAL WASTE AUTHORITY, MERCED

Staff Geologist | Mr. Vue served as Staff Geologist for the Geotechnical Investigation for the Merced County Regional Waste Authority Project (RWA). The scope of services included geotechnical investigation for the design of an expansion at the Merced County RWA. Mr. Vue's duties consisted of project coordination, geotechnical logging and sampling, as well as report preparation.

VALLEY CHILDREN HOSPIRAL MEDICAL OFFICE, MERCED

Staff Geologist | Mr. Vue served as a Staff Geologist for the Phase I Environmental Site Assessment for the Valley Children Hospital Medical Office project. Mr. Vue's duties consisted of project coordination, records request, interviews, and report preparation.

APPENDIX D

TRAFFIC IMPACT STUDY

Project No: 257-81

TRAFFIC IMPACT STUDY

MIXED-USE LAND DEVELOPMENT
STATE ROUTE 198 & 19TH AVENUE
CITY OF LEMOORE

Prepared for:

QK

March 2023

Prepared by:

RUETTGERS & SCHULER
CIVIL ENGINEERS

1800 30th Street, Suite 260
Bakersfield, California 93301

Ian J. Parks, RCE 58155

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INTRODUCTION

The purpose of this study is to evaluate the potential traffic impacts a proposed mixed-use land development located on the east side of 19th Avenue, between Iona Avenue and the State Route 198 eastbound ramps, in the City of Lemoore, California. At buildout, the approximately 16-acre project site would include commercial and industrial land uses. A vicinity map is presented in Figure 1 and a location map is presented in Figure 2.

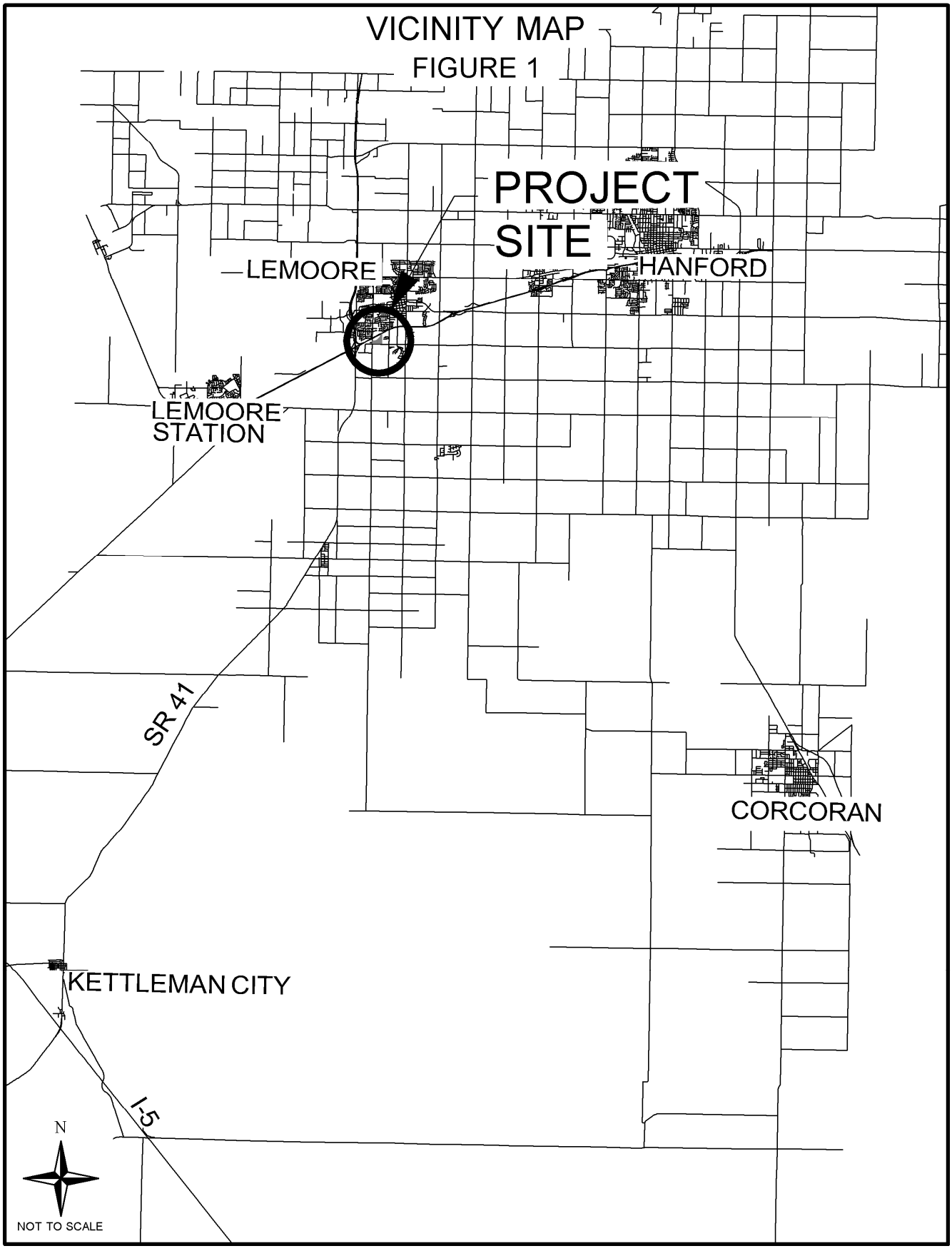
Traffic impacts were evaluated for vehicle miles travelled (VMT) in accordance with current CEQA requirements. Additionally, traffic analyses performed for this study include intersection level of service, roadway capacity, queue length and vehicle miles traveled. The level of service study methodology is consistent with City guidelines and the *Technical Advisory on Evaluating Transportation Impacts in CEQA*, dated December 2018, from the State of California, Office of Planning and Research. The scope of the study includes three intersections (two signalized, one unsignalized).

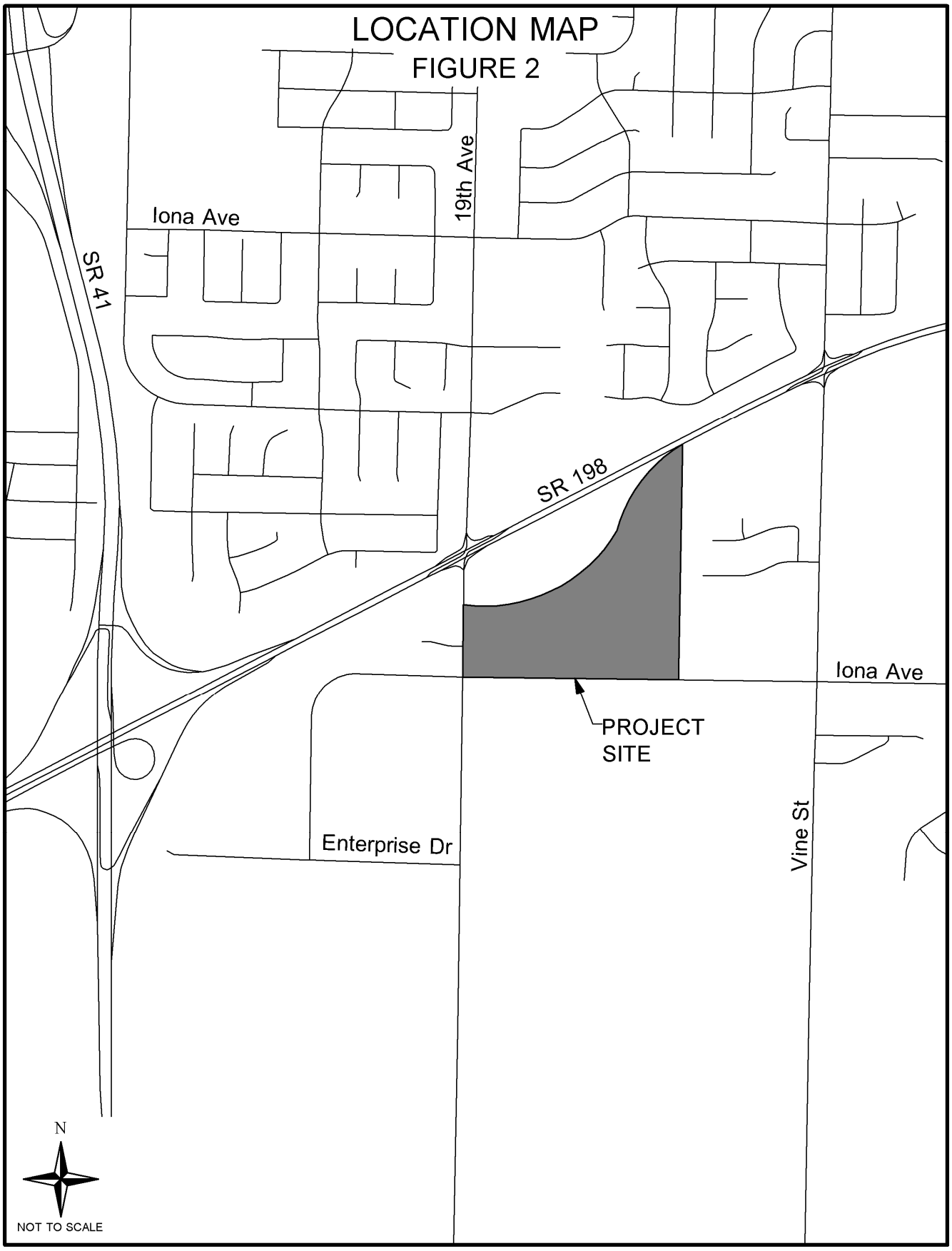
Project Description and Site Access

As currently planned, the western portion of the project will consist of a convenience store with fueling stations, and a future building with drive-through restaurant. The easterly portion of the project will consist of an industrial tract, approximately 12 acres in size and the potential for approximately 100,000 square feet of buildings. The industrial project is anticipated to consist of both light industrial and warehouse uses. A site plan showing the commercial portion of the project is shown in Figure 3.

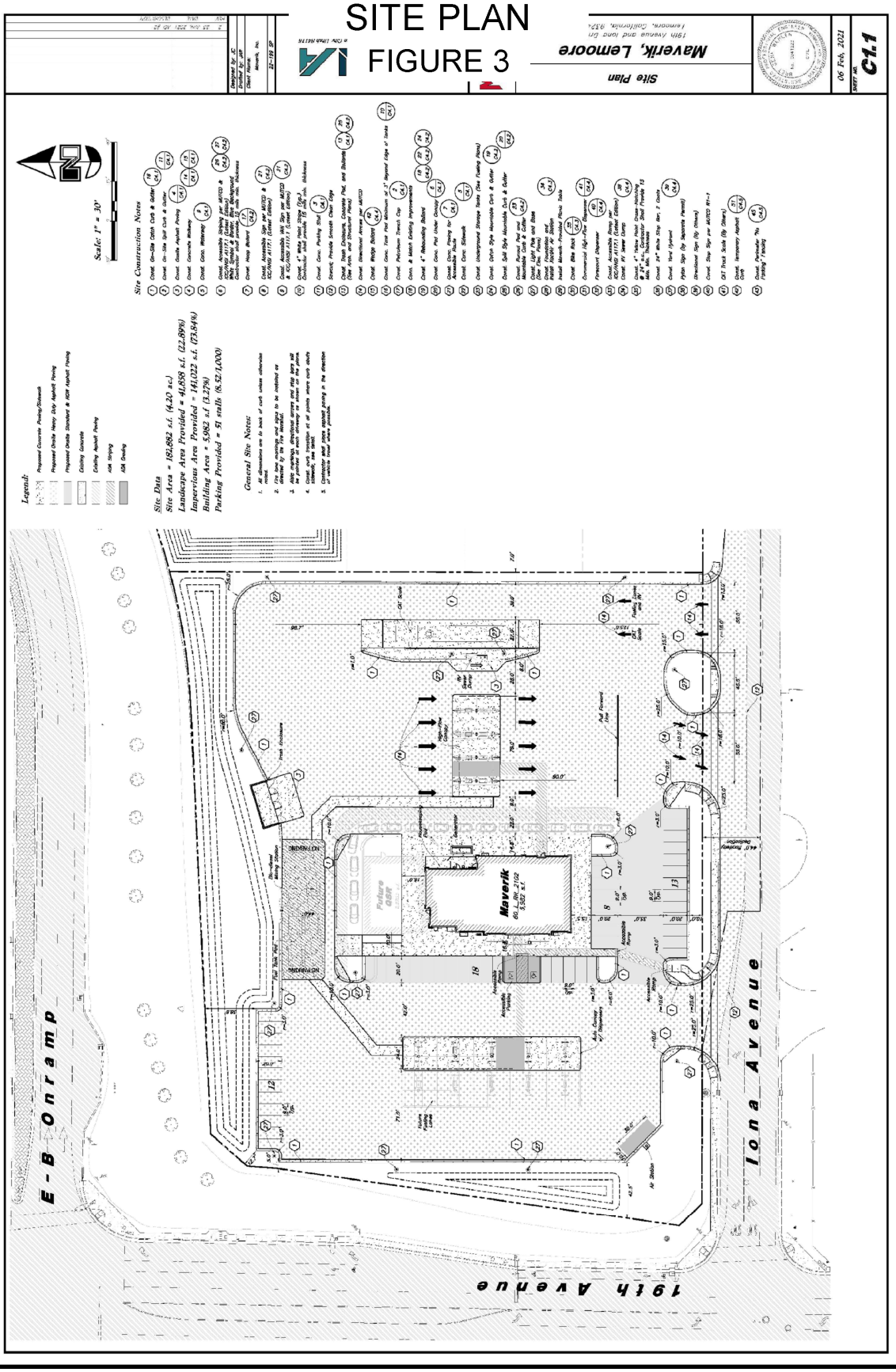
Existing Land Uses in Project Vicinity

The project site is located south of State Route 198 and east of the easterly ramps at 19th Avenue. Existing residential developments lie directly east of the project. Industrial uses exist to the south and commercial uses to the west, including a hotel and gas station.


VICINITY MAP
FIGURE 1
PROJECT SITE
LEMOORE
HANFORD
LEMOORE STATION
SR 41
CORCORAN
KETTLEMAN CITY
I-5
N
NOT TO SCALE


LOCATION MAP
FIGURE 2
19th Ave
Iona Ave
SR 41
SR 198
Iona Ave
PROJECT
SITE
Enterprise Dr
Vine St
N
NOT TO SCALE

SITE PLAN
FIGURE 3



Roadway Descriptions

19th Avenue is a north-south arterial that interchanges with State Route 198 approximately 0.5 miles east of State Route 41. It operates within the study area with four lanes and provides access primarily to residential land uses north of State Route 198 and commercial and industrial land uses to the south.

Iona Avenue is an east-west arterial that intersects 19th Avenue approximately 0.2 miles south of State Route 198. It operates as a two-lane roadway at various stages of widening and improvement and provides access primarily to commercial and industrial land uses.

State Route 198 is an east-west state highway that extends through Central California from US Route 101 on the Central Coast to Sequoia National Park. It operates within the study area with four lanes with and interchange connection to S 19th Avenue.

PROJECT TRIP GENERATION AND DESIGN HOUR VOLUMES

The project trip generation and design hour volumes shown in Table 1 were estimated using the Institute of Transportation Engineers (ITE) *Trip Generation Manual*, 11th Edition (September 2021). Trip rates and peak hour directional splits for ITE Land Use Codes 110, 150, 934, 945 and 950 were used to estimate project trips for weekday peak hour of adjacent street traffic based on information provided by the project applicant.

Table 1
Project Trip Generation

Land Use			Daily Trips		AM Peak Hour Trips			PM Peak Hour Trips		
ITE Code	Development Type	Variable	ADT Rate	ADT	Rate	IN Split Trips	OUT Split Trips	Rate	IN Split Trips	OUT Split Trips
934	Fast-Food Restaurant w/Drive-Thru	2.87 1000 sq ft GFA	467.48	1,342	44.61	51% 65	49% 63	33.03	52% 49	48% 46
945	Convenience Market/Gas Station	20 Vehicle Fueling Positions	345.75	6,915	31.6	50% 316	50% 316	26.9	50% 269	50% 269
950	Truck Stop	5 Vehicle Fueling Positions	224	1,120	13.97	49% 34	51% 36	15.42	53% 41	47% 36
110	General Light Industrial	70 1000 sq ft GFA	eq	314	eq	88% 45	12% 6	eq	14% 4	86% 27
150	Warehousing	30 1000 sq ft GFA	eq	86	eq	77% 21	23% 6	eq	28% 8	72% 22
SUBTOTAL				9,776		481	427		371	400
Reductions										
Capture[1]		5%		469		21	21		18	18
Pass-By[1]		15%		1,407		62	62		54	53
TOTAL				7,900		398	344		299	329

[1]Applied to ITE Codes 934, 945 and 950

A capture rate of five percent was applied to ITE Codes 934, 945 and 950 to account for internal trips generated by the project. These trips neither enter nor leave the project site, and therefore, have no impact on adjacent street traffic.

A pass-by rate of 15 percent was also applied to the ITE Codes 934, 945 and 950 to account for trips that are made as intermediate stops between trip origin and primary destination. Pass-by trips are drawn from traffic passing the site, and therefore, do not add trips to the adjacent street system.

PROJECT TRIP DISTRIBUTION AND ASSIGNMENT

Project trip distribution and assignments were developed based on site location, travel patterns anticipated for each of the proposed land uses. Separate distributions and assignments were prepared for each project land use type and then combined for analysis purposes.

The distribution of project peak hour trips is shown in Table 2 and represents the movement of traffic accessing the project site by direction. Project peak hour trips were assigned to the study intersections as shown in Figure 4.

Table 2
Project Trip Distribution

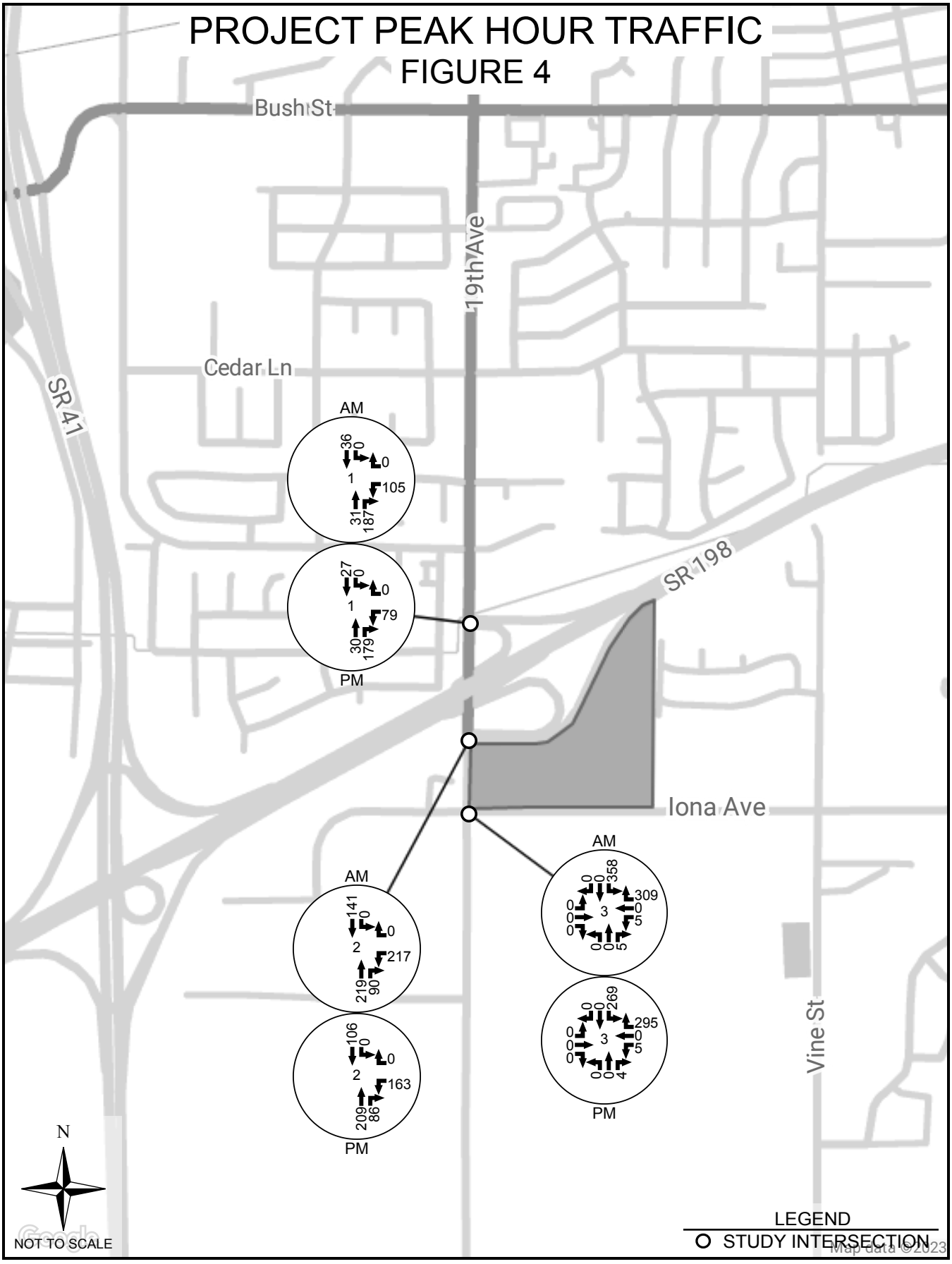
Direction	Percent
North	45
East	35
South	10
West	10

EXISTING AND FUTURE TRAFFIC

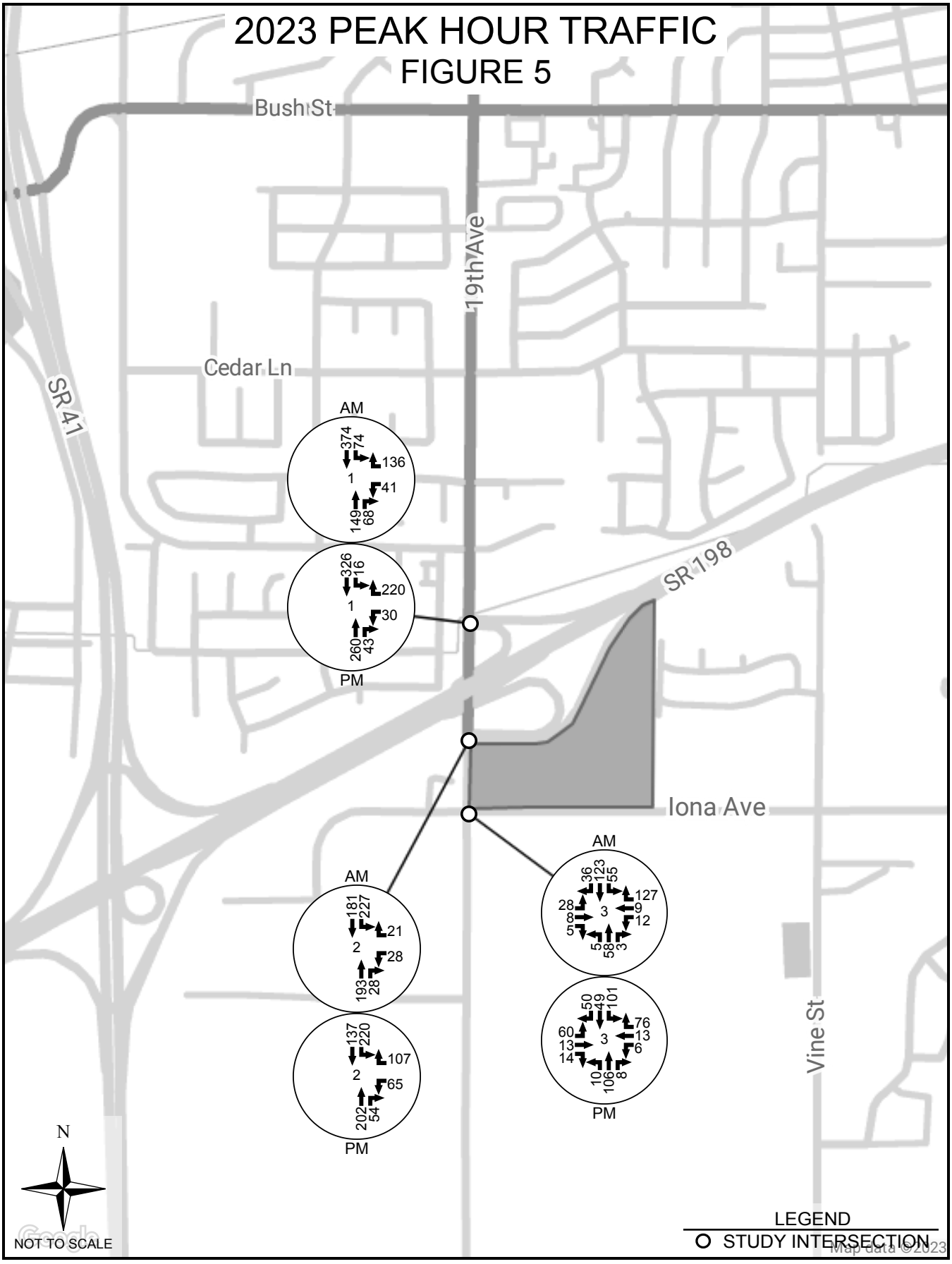
Weekday peak hour turning movement counts were obtained at each of the study intersections in March August 2023 (see Appendix for count data). Existing peak hour volumes are shown in Figure 5. Existing plus project peak hour volumes are shown in Figure 6.

Annual growth rates ranging between 0.5 and 5.5 percent were applied to existing traffic volumes to estimate future traffic volumes for the year 2043. These growth rates were estimated based on a review of Kings County Association of Governments (KCAG) traffic model data. Future peak hour volumes for the year 2043, both without and with project traffic, are shown in Figures 7 and 8, respectively.

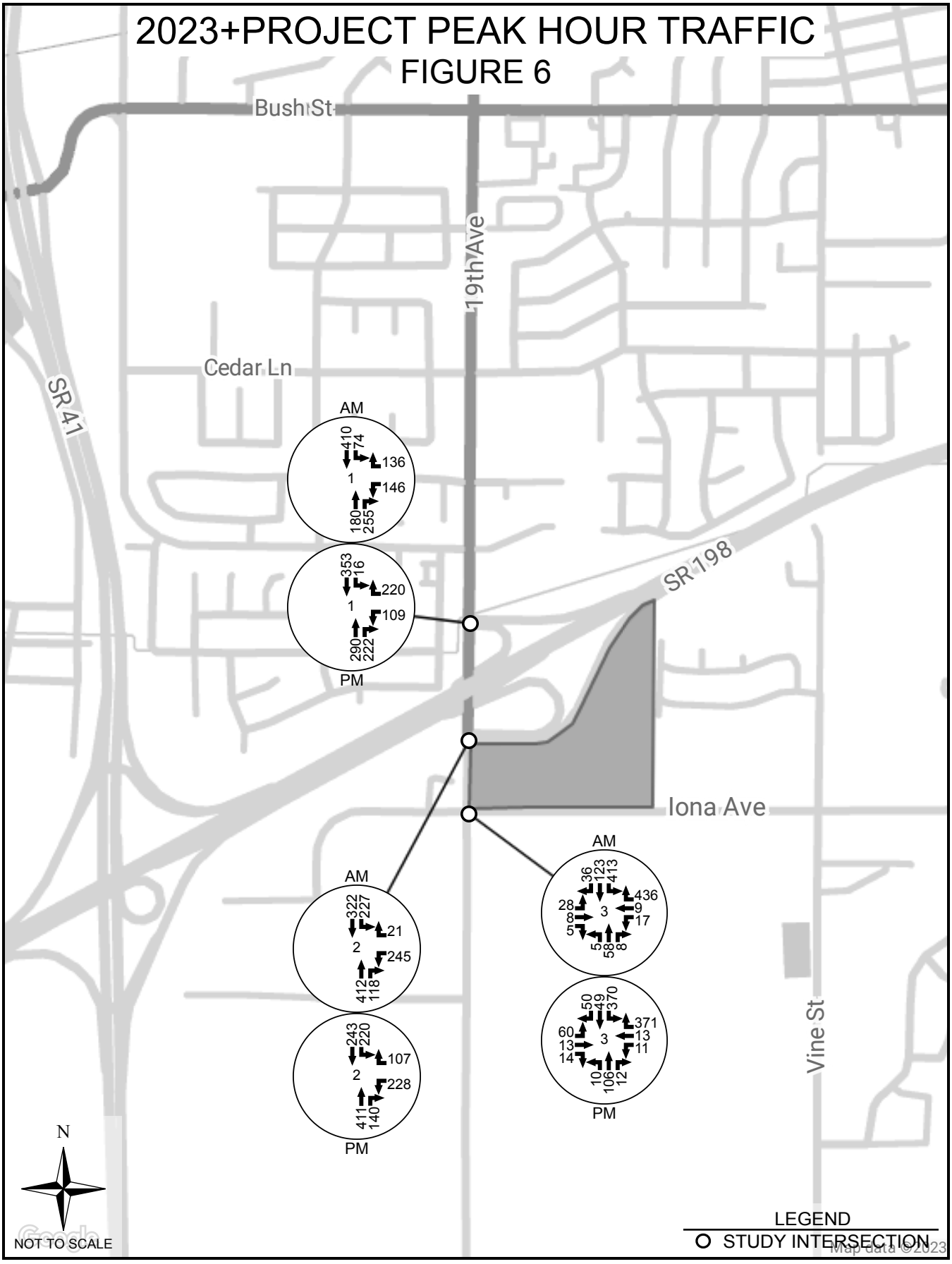
PROJECT PEAK HOUR TRAFFIC
FIGURE 4



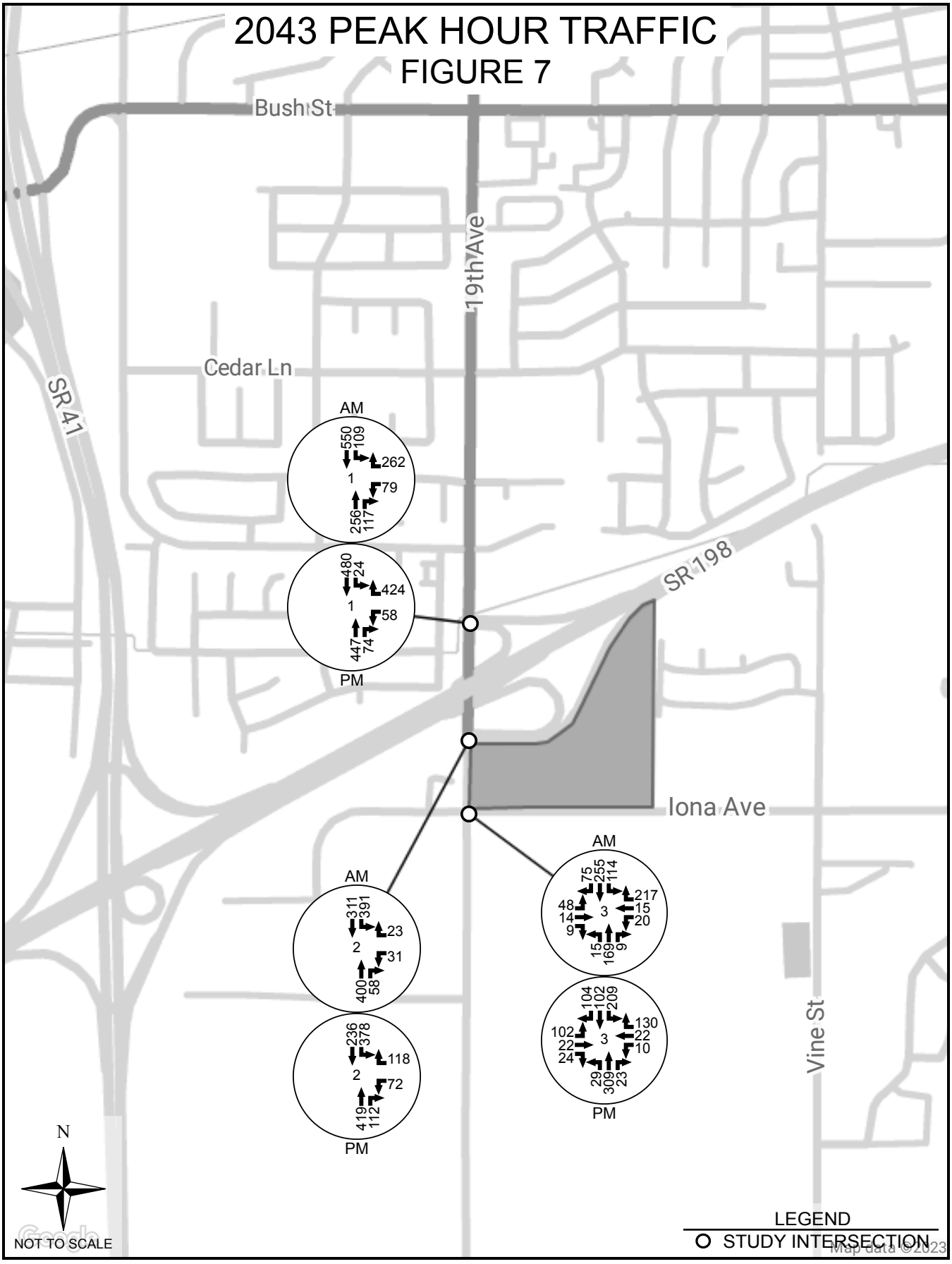
2023 PEAK HOUR TRAFFIC
FIGURE 5



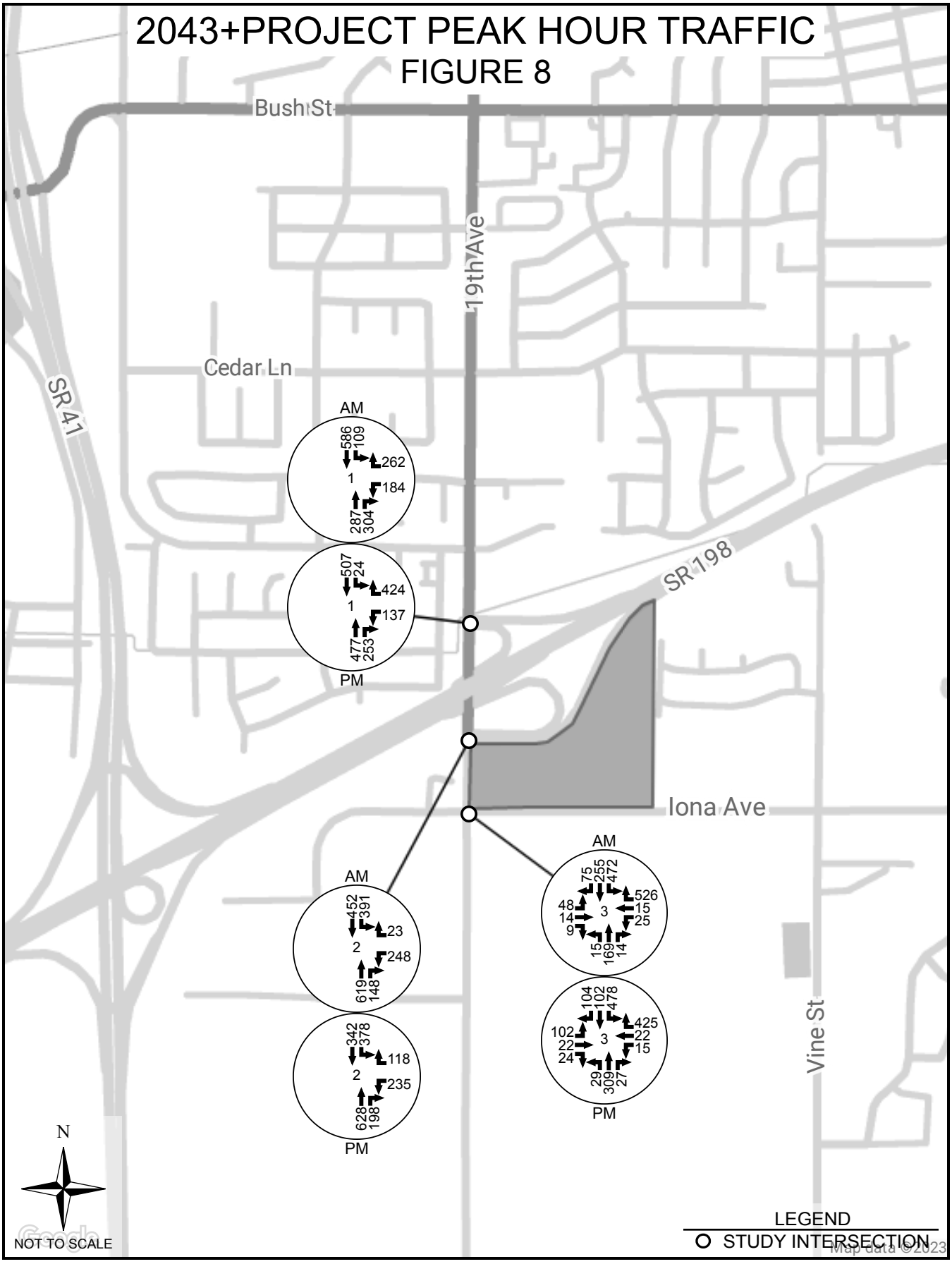
2023+PROJECT PEAK HOUR TRAFFIC
FIGURE 6



2043 PEAK HOUR TRAFFIC
FIGURE 7



2043+PROJECT PEAK HOUR TRAFFIC
FIGURE 8



INTERSECTION ANALYSIS

A capacity analysis of the study intersections was conducted using Synchro software from Trafficware (see Appendix for Synchro analysis results). This software utilizes the capacity analysis methodology in the Transportation Research Board's *Highway Capacity Manual 2010* (HCM 2010). The analysis was performed for each of the following traffic scenarios.

- Existing 2023
- Existing 2023 + Project
- Future 2043
- Future 2043 + Project

Level of service (LOS) criteria for unsignalized and signalized intersections are presented in the tables below.

Level of Service Criteria
Unsignalized Intersections

Level of Service	Average Control Delay (sec/veh)	Expected Delay to Minor Street Traffic
A	≤ 10	Little or no delay
B	> 10 and ≤ 15	Short delays
C	> 15 and ≤ 25	Average delays
D	> 25 and ≤ 35	Long delays
E	> 35 and ≤ 50	Very long delays
F	> 50	Extreme delays

Level of Service Criteria
Signalized Intersections

Level of Service	Average Control Delay (sec/veh)	Volume-to-Capacity Ratio
A	≤ 10	< 0.60
B	> 10 and ≤ 20	0.61 - 0.70
C	> 20 and ≤ 35	0.71 - 0.80
D	> 35 and ≤ 55	0.81 - 0.90
E	> 55 and ≤ 80	0.91 - 1.00
F	> 80	> 1.00

Peak hour level of service for the study intersections is presented in Tables 3a and 3b. The City of Lemoore has set an intersection level of service standard of LOS C or better. Intersection delay in seconds per vehicle is shown within parentheses for intersections operating below LOS C.

Table 3a
Intersection Level of Service
Weekday PM Peak Hour

#	Intersection	Control Type	2023	2023+ Project	2043	2043+ Project	2043+ Project w/Mitigation
1	19th Ave & SR 198 WB Ramps	Signal	B	B	B	B	-
2	19th Ave & SR 198 EB Ramps	Signal	C	C	C	C	-
3	19th Ave & Iona Ave	NB SB	B B	B E (35.5)	C F (134.5)	C F (>300)	- -
		Signal	-	-	-	-	C

Table 3b
Intersection Level of Service
Weekday AM Peak Hour

#	Intersection	Control Type	2023	2023+ Project	2043	2043+ Project	2043+ Project w/Mitigation
1	19th Ave & SR 198 WB Ramps	Signal	B	B	B	B	-
2	19th Ave & SR 198 EB Ramps	Signal	B	C	B	C	-
3	19th Ave & Iona Ave	NB SB	B B	B D (31.9)	C C	C F (233.8)	- -
		Signal	-	-	-	-	C

ROADWAY ANALYSIS

Average daily traffic (ADT) volumes and capacities for roadway segments within the scope of the study are presented in Table 4. The City of Lemoore has a minimum level of service standard of LOS C for roadways. As defined in HCM 2010, a volume-to-capacity ratio (v/c) greater than 0.80 corresponds to a LOS of less than C.

Table 4
Roadway Capacity

Roadway Segment	2023 Directional LOS		2023+Project Directional LOS		2043 Directional LOS		2043+Project Directional LOS	
	N or E AM/PM	S or W AM/PM	N or E AM/PM	S or W AM/PM	N or E AM/PM	S or W AM/PM	N or E AM/PM	S or W AM/PM
19th Ave: Iona Ave to SR 198 EB Ramps	A/A	A/A	A/A	A/A	B/B	B/B	B/B	B/B
19th Ave: SR 198 EB Ramps to SR 198 WB Ramps	A/A	A/A	A/A	A/A	B/B	B/B	B/B	B/B

QUEUE LENGTH ANALYSIS

Existing and future peak hour volumes, both with and without project traffic, were used to analyze queue lengths for the two State Route 198 study intersections. The analysis was conducted using Synchro and SimTraffic software which calculates queue lengths pursuant to HCM 2010 methodology. The analysis results are shown in Tables 5a and 5b. Storage and queue lengths are reported in feet.

Table 5a
Queue Length Analysis
Weekday PM Peak Hour

Intersection	19th Ave & SR 198 WB Ramps				19th Ave & SR 198 EB Ramps			
Storage Length	300	300	130	220	440	300	180	410
Movement	WBL	WBR	NBR	SBL	WBL	WBR	NBR	SBL
2023	66	22	22	23	66	42	48	221
2023+Project	120	38	69	34	167	51	107	279
2043	137	79	64	45	74	38	89	326
2043+Project	202	148	**136**	47	182	83	159	**411**

Table 5b
Queue Length Analysis
Weekday AM Peak Hour

Intersection	19th Ave & SR 198 WB Ramps				19th Ave & SR 198 EB Ramps			
Storage Length	300	300	130	220	440	300	180	410
Movement	WBL	WBR	NBR	SBL	WBL	WBR	NBR	SBL
2023	59	23	34	54	50	23	54	228
2023+Project	110	31	58	54	171	20	80	230
2043	110	36	47	99	37	22	57	354
2043+Project	134	57	94	94	204	42	113	393

Queue length nominally exceeds storage capacity for two turning movements during the PM peak hour, both in the 2043 plus project scenario: northbound right at the westbound ramps, southbound left at the eastbound ramps. Sufficient storage is available in the taper area for both turning movements to accommodate additional storage needs.

FUTURE IMPROVEMENTS

Intersection improvements needed by the year 2043 to maintain or improve the operational level of service of the street system in the vicinity of the project are presented in Table 6.

Table 6
Intersection Improvements

#	Intersection	Total Improvements Required by 2043	Project Share for Local Improvements
3	19th Ave & Iona Ave	Add Signal	49.7%

The project's share for the cost of local mitigation was calculated using the following formula.

$$\% \text{ Share} = \frac{\text{Project Traffic}}{(\text{Future} + \text{Project Traffic}) - \text{Existing Traffic}} \times 100$$

No need for future roadway improvements is anticipated.

VMT ANALYSIS

An analysis of project vehicle miles traveled (VMT) was conducted based on metrics consistent with SB 743 requirements for evaluating transportation impacts within the California Environmental Quality Act (CEQA).

Background

Guidelines for assessing project VMT as part of a transportation impact analysis under CEQA are contained in the *Technical Advisory on Evaluating Transportation Impacts in CEQA*, dated December 2018, from the State of California, Office of Planning and Research (OPR TA). The advisory contains recommendations regarding VMT assessment, significance thresholds and mitigation measures. Under CEQA, lead agencies have the authority to establish their own VMT significance thresholds and analysis methodologies or rely on thresholds and methodologies recommended by other agencies, provided such guidelines are supported by substantial evidence. At the time of this study, the City of Lemoore had not developed or adopted a VMT policy, so the VMT analysis for this study was conducted following OPR TA recommendations.

Project VMT

The project includes commercial and industrial land uses. According to OPR TA recommendations, a land development with mixed uses may be analyzed either based on individual project land uses or the project's dominant land use. The latter approach was taken for the purposes of this study.

The dominant project land use, as defined in terms of trip generation, is the convenience market/gas station. As shown on the project site plan (Figure 3), this retail land use has a building area of approximately 5,980 square feet, and will generate approximately 9,377 daily trips. The light industrial portion of the project will generate approximately 400 daily trips, therefore, the convenience market gas station was analyzed as the dominant use.

According to OPR TA, stores with less than 50,000 square feet of floor space may be presumed to create a less than significant VMT impact since such "local-serving" retail developments typically provide closer shopping destinations resulting in shorter trip lengths. Therefore, consistent with OPR guidelines, the projects traffic would not result in a significant transportation impact.

REFERENCES

1. *California Manual on Uniform Traffic Control Devices for Streets and Highways*, 2014 Edition, California Department of Transportation (Caltrans)
2. *Highway Capacity Manual 2010*, Transportation Research Board
3. *Technical Advisory on Evaluating Transportation Impacts in CEQA*, State of California, Office of Planning and Research (OPR), dated December 2018
4. *Trip Generation Manual*, 11th Edition, Institute of Transportation Engineers (ITE), September 2021

APPENDIX

Movement	WBL	WBR	NBT	NBR	SBL	SBT
Lane Configurations						
Traffic Volume (veh/h)	30	220	260	43	16	326
Future Volume (veh/h)	30	220	260	43	16	326
Number	3	18	2	12	1	6
Initial Q, veh	0	0	0	0	0	0
Ped-Bike Adj (A_pbT)	1.00	1.00		1.00	1.00	
Parking Bus Adj	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach	No		No			No
Lanes Open During Work Zone						
Adj Sat Flow, veh/h/ln	1600	1600	1870	1600	1600	1870
Adj Flow Rate, veh/h	33	242	286	47	20	398
Peak Hour Factor	0.91	0.91	0.91	0.91	0.82	0.82
Percent Heavy Veh, %	11	11	2	11	11	2
Opposing Right Turn Influence	Yes				Yes	
Cap, veh/h	195	347	2784	1059	1413	2784
HCM Platoon Ratio	1.00	1.00	0.33	0.33	1.00	1.00
Prop Arrive On Green	0.13	0.13	0.26	0.26	0.78	0.78
Unsig. Movement Delay						
Ln Grp Delay, s/veh	35.4	40.1	9.3	8.2	3.5	2.5
Ln Grp LOS	D	D	A	A	A	A
Approach Vol, veh/h	275		333			418
Approach Delay, s/veh	39.6		9.2			2.5
Approach LOS	D		A			A

Timer:	1	2	3	4	5	6	7	8
Assigned Phs		2	8			6		
Case No		7.0	9.0			6.0		
Phs Duration (G+Y+Rc), s		74.5	15.5			74.5		
Change Period (Y+Rc), s		6.0	4.6			6.0		
Max Green (Gmax), s		41.0	38.4			41.0		
Max Allow Headway (MAH), s		4.0	4.3			4.1		
Max Q Clear (g_c+I1), s		7.5	9.7			7.8		
Green Ext Time (g_e), s		1.3	1.2			1.8		
Prob of Phs Call (p_c)		1.00	1.00			1.00		
Prob of Max Out (p_x)		0.00	0.00			0.00		
Left-Turn Movement Data								
Assigned Mvmt		5	3			1		
Mvmt Sat Flow, veh/h		0	1524			1735		
Through Movement Data								
Assigned Mvmt		2	8			6		
Mvmt Sat Flow, veh/h		3647	0			3647		
Right-Turn Movement Data								
Assigned Mvmt		12	18			16		
Mvmt Sat Flow, veh/h		1351	2712			0		
Left Lane Group Data								
Assigned Mvmt	0	5	3	0	0	1	0	0
Lane Assignment			L			L		

Lanes in Grp	0	0	1	0	0	2	0	0
Grp Vol (v), veh/h	0	0	33	0	0	20	0	0
Grp Sat Flow (s), veh/h/ln	0	0	1524	0	0	867	0	0
Q Serve Time (g_s), s	0.0	0.0	1.7	0.0	0.0	0.3	0.0	0.0
Cycle Q Clear Time (g_c), s	0.0	0.0	1.7	0.0	0.0	5.8	0.0	0.0
Perm LT Sat Flow (s_l), veh/h/ln	0	0	1524	0	0	867	0	0
Shared LT Sat Flow (s_sh), veh/h/ln	0	0	0	0	0	0	0	0
Perm LT Eff Green (g_p), s	0.0	0.0	0.0	0.0	0.0	70.5	0.0	0.0
Perm LT Serve Time (g_u), s	0.0	0.0	0.0	0.0	0.0	65.0	0.0	0.0
Perm LT Q Serve Time (g_ps), s	0.0	0.0	0.0	0.0	0.0	0.3	0.0	0.0
Time to First Blk (g_f), s	0.0	70.5	0.0	0.0	0.0	0.0	0.0	0.0
Serve Time pre Blk (g_fs), s	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Prop LT Inside Lane (P_L)	0.00	0.00	1.00	0.00	0.00	1.00	0.00	0.00
Lane Grp Cap (c), veh/h	0	0	195	0	0	1413	0	0
V/C Ratio (X)	0.00	0.00	0.17	0.00	0.00	0.01	0.00	0.00
Avail Cap (c_a), veh/h	0	0	660	0	0	1413	0	0
Upstream Filter (I)	0.00	0.00	1.00	0.00	0.00	1.00	0.00	0.00
Uniform Delay (d1), s/veh	0.0	0.0	35.0	0.0	0.0	3.5	0.0	0.0
Incr Delay (d2), s/veh	0.0	0.0	0.4	0.0	0.0	0.0	0.0	0.0
Initial Q Delay (d3), s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Control Delay (d), s/veh	0.0	0.0	35.4	0.0	0.0	3.5	0.0	0.0
1st-Term Q (Q1), veh/ln	0.0	0.0	0.6	0.0	0.0	0.0	0.0	0.0
2nd-Term Q (Q2), veh/ln	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3rd-Term Q (Q3), veh/ln	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile Back of Q Factor (f_B%)	0.00	1.00	1.00	0.00	0.00	1.00	0.00	0.00
%ile Back of Q (50%), veh/ln	0.0	0.0	0.6	0.0	0.0	0.0	0.0	0.0
%ile Storage Ratio (RQ%)	0.00	0.00	0.02	0.00	0.00	0.00	0.00	0.00
Initial Q (Qb), veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Final (Residual) Q (Qe), veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sat Delay (ds), s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sat Q (Qs), veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sat Cap (cs), veh/h	0	0	0	0	0	0	0	0
Initial Q Clear Time (tc), h	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Middle Lane Group Data								
Assigned Mvmt	0	2	8	0	0	6	0	0
Lane Assignment		T				T		
Lanes in Grp	0	2	0	0	0	2	0	0
Grp Vol (v), veh/h	0	286	0	0	0	398	0	0
Grp Sat Flow (s), veh/h/ln	0	1777	0	0	0	1777	0	0
Q Serve Time (g_s), s	0.0	5.5	0.0	0.0	0.0	2.5	0.0	0.0
Cycle Q Clear Time (g_c), s	0.0	5.5	0.0	0.0	0.0	2.5	0.0	0.0
Lane Grp Cap (c), veh/h	0	2784	0	0	0	2784	0	0
V/C Ratio (X)	0.00	0.10	0.00	0.00	0.00	0.14	0.00	0.00
Avail Cap (c_a), veh/h	0	2784	0	0	0	2784	0	0
Upstream Filter (I)	0.00	0.99	0.00	0.00	0.00	1.00	0.00	0.00
Uniform Delay (d1), s/veh	0.0	9.3	0.0	0.0	0.0	2.4	0.0	0.0
Incr Delay (d2), s/veh	0.0	0.1	0.0	0.0	0.0	0.1	0.0	0.0
Initial Q Delay (d3), s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Control Delay (d), s/veh	0.0	9.3	0.0	0.0	0.0	2.5	0.0	0.0
1st-Term Q (Q1), veh/ln	0.0	1.0	0.0	0.0	0.0	0.3	0.0	0.0
2nd-Term Q (Q2), veh/ln	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

3rd-Term Q (Q3), veh/ln	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile Back of Q Factor (f_B%)	0.00	1.00	1.00	0.00	0.00	1.00	0.00	0.00
%ile Back of Q (50%), veh/ln	0.0	1.0	0.0	0.0	0.0	0.4	0.0	0.0
%ile Storage Ratio (RQ%)	0.00	0.03	0.00	0.00	0.00	0.01	0.00	0.00
Initial Q (Qb), veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Final (Residual) Q (Qe), veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sat Delay (ds), s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sat Q (Qs), veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sat Cap (cs), veh/h	0	0	0	0	0	0	0	0
Initial Q Clear Time (tc), h	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Right Lane Group Data								
Assigned Mvmt	0	12	18	0	0	16	0	0
Lane Assignment		R	R					
Lanes in Grp	0	1	2	0	0	0	0	0
Grp Vol (v), veh/h	0	47	242	0	0	0	0	0
Grp Sat Flow (s), veh/h/ln	0	1351	1356	0	0	0	0	0
Q Serve Time (g_s), s	0.0	2.3	7.7	0.0	0.0	0.0	0.0	0.0
Cycle Q Clear Time (g_c), s	0.0	2.3	7.7	0.0	0.0	0.0	0.0	0.0
Prot RT Sat Flow (s_R), veh/h/ln	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Prot RT Eff Green (g_R), s	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Prop RT Outside Lane (P_R)	0.00	1.00	1.00	0.00	0.00	0.00	0.00	0.00
Lane Grp Cap (c), veh/h	0	1059	347	0	0	0	0	0
V/C Ratio (X)	0.00	0.04	0.70	0.00	0.00	0.00	0.00	0.00
Avail Cap (c_a), veh/h	0	1059	1175	0	0	0	0	0
Upstream Filter (I)	0.00	0.99	1.00	0.00	0.00	0.00	0.00	0.00
Uniform Delay (d1), s/veh	0.0	8.1	37.6	0.0	0.0	0.0	0.0	0.0
Incr Delay (d2), s/veh	0.0	0.1	2.5	0.0	0.0	0.0	0.0	0.0
Initial Q Delay (d3), s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Control Delay (d), s/veh	0.0	8.2	40.1	0.0	0.0	0.0	0.0	0.0
1st-Term Q (Q1), veh/ln	0.0	0.3	2.4	0.0	0.0	0.0	0.0	0.0
2nd-Term Q (Q2), veh/ln	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0
3rd-Term Q (Q3), veh/ln	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile Back of Q Factor (f_B%)	0.00	1.00	1.00	0.00	0.00	1.00	0.00	0.00
%ile Back of Q (50%), veh/ln	0.0	0.3	2.5	0.0	0.0	0.0	0.0	0.0
%ile Storage Ratio (RQ%)	0.00	0.06	0.23	0.00	0.00	0.00	0.00	0.00
Initial Q (Qb), veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Final (Residual) Q (Qe), veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sat Delay (ds), s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sat Q (Qs), veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sat Cap (cs), veh/h	0	0	0	0	0	0	0	0
Initial Q Clear Time (tc), h	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Intersection Summary	
HCM 6th Ctrl Delay	14.6
HCM 6th LOS	B

Notes

User approved volume balancing among the lanes for turning movement.

Movement	WBL	WBR	NBT	NBR	SBL	SBT
Lane Configurations						
Traffic Volume (veh/h)	65	107	202	54	220	137
Future Volume (veh/h)	65	107	202	54	220	137
Number	3	18	2	12	1	6
Initial Q, veh	0	0	0	0	0	0
Ped-Bike Adj (A_pbT)	1.00	1.00		0.98	1.00	
Parking Bus Adj	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach	No		No			No
Lanes Open During Work Zone						
Adj Sat Flow, veh/h/ln	1600	1600	1870	1600	1600	1870
Adj Flow Rate, veh/h	67	134	224	60	272	169
Peak Hour Factor	0.86	0.86	0.90	0.90	0.81	0.81
Percent Heavy Veh, %	11	11	2	11	11	2
Opposing Right Turn Influence	Yes				Yes	
Cap, veh/h	125	222	463	173	997	2888
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.67	1.67
Prop Arrive On Green	0.08	0.08	0.13	0.13	1.00	1.00
Unsig. Movement Delay						
Ln Grp Delay, s/veh	43.3	42.5	39.9	41.1	0.1	0.0
Ln Grp LOS	D	D	D	D	A	A
Approach Vol, veh/h	201		284			441
Approach Delay, s/veh	42.8		40.2			0.1
Approach LOS	D		D			A

Timer:	1	2	3	4	5	6	7	8
Assigned Phs	2	1	8			6		
Case No	7.0	2.0	9.0			4.0		
Phs Duration (G+Y+Rc), s	15.7	62.9	11.4			78.6		
Change Period (Y+Rc), s	6.0	6.0	4.6			* 6		
Max Green (Gmax), s	32.4	25.0	16.0			* 65		
Max Allow Headway (MAH), s	4.1	4.1	4.3			4.0		
Max Q Clear (g_c+I1), s	7.3	2.0	6.3			2.0		
Green Ext Time (g_e), s	1.1	0.9	0.5			0.7		
Prob of Phs Call (p_c)	1.00	1.00	0.99			1.00		
Prob of Max Out (p_x)	0.00	0.00	0.02			0.00		

Left-Turn Movement Data								
Assigned Mvmt	5	1	3					
Mvmt Sat Flow, veh/h	0	1524	1524					

Through Movement Data								
Assigned Mvmt	2		8			6		
Mvmt Sat Flow, veh/h	3647		0			3647		

Right-Turn Movement Data								
Assigned Mvmt	12		18			16		
Mvmt Sat Flow, veh/h	1330		2712			0		

Left Lane Group Data								
Assigned Mvmt	5	1	3	0	0	0	0	0
Lane Assignment		L (Prot)	L					

Lanes in Grp	0	1	1	0	0	0	0	0
Grp Vol (v), veh/h	0	272	67	0	0	0	0	0
Grp Sat Flow (s), veh/h/ln	0	1524	1524	0	0	0	0	0
Q Serve Time (g_s), s	0.0	0.0	3.8	0.0	0.0	0.0	0.0	0.0
Cycle Q Clear Time (g_c), s	0.0	0.0	3.8	0.0	0.0	0.0	0.0	0.0
Perm LT Sat Flow (s_l), veh/h/ln	0	0	1524	0	0	0	0	0
Shared LT Sat Flow (s_sh), veh/h/ln	0	0	0	0	0	0	0	0
Perm LT Eff Green (g_p), s	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Perm LT Serve Time (g_u), s	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Perm LT Q Serve Time (g_ps), s	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Time to First Blk (g_f), s	11.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Serve Time pre Blk (g_fs), s	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Prop LT Inside Lane (P_L)	0.00	1.00	1.00	0.00	0.00	0.00	0.00	0.00
Lane Grp Cap (c), veh/h	0	997	125	0	0	0	0	0
V/C Ratio (X)	0.00	0.27	0.54	0.00	0.00	0.00	0.00	0.00
Avail Cap (c_a), veh/h	0	997	281	0	0	0	0	0
Upstream Filter (I)	0.00	0.98	1.00	0.00	0.00	0.00	0.00	0.00
Uniform Delay (d1), s/veh	0.0	0.0	39.7	0.0	0.0	0.0	0.0	0.0
Incr Delay (d2), s/veh	0.0	0.1	3.6	0.0	0.0	0.0	0.0	0.0
Initial Q Delay (d3), s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Control Delay (d), s/veh	0.0	0.1	43.3	0.0	0.0	0.0	0.0	0.0
1st-Term Q (Q1), veh/ln	0.0	0.0	1.3	0.0	0.0	0.0	0.0	0.0
2nd-Term Q (Q2), veh/ln	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0
3rd-Term Q (Q3), veh/ln	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile Back of Q Factor (f_B%)	1.00	1.00	1.00	0.00	0.00	0.00	0.00	0.00
%ile Back of Q (50%), veh/ln	0.0	0.0	1.5	0.0	0.0	0.0	0.0	0.0
%ile Storage Ratio (RQ%)	0.00	0.00	0.04	0.00	0.00	0.00	0.00	0.00
Initial Q (Qb), veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Final (Residual) Q (Qe), veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sat Delay (ds), s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sat Q (Qs), veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sat Cap (cs), veh/h	0	0	0	0	0	0	0	0
Initial Q Clear Time (tc), h	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Middle Lane Group Data								
Assigned Mvmt	2	0	8	0	0	6	0	0
Lane Assignment	T					T		
Lanes in Grp	2	0	0	0	0	2	0	0
Grp Vol (v), veh/h	224	0	0	0	0	169	0	0
Grp Sat Flow (s), veh/h/ln	1777	0	0	0	0	1777	0	0
Q Serve Time (g_s), s	5.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Cycle Q Clear Time (g_c), s	5.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Lane Grp Cap (c), veh/h	463	0	0	0	0	2888	0	0
V/C Ratio (X)	0.48	0.00	0.00	0.00	0.00	0.06	0.00	0.00
Avail Cap (c_a), veh/h	1358	0	0	0	0	2888	0	0
Upstream Filter (I)	1.00	0.00	0.00	0.00	0.00	0.98	0.00	0.00
Uniform Delay (d1), s/veh	36.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Incr Delay (d2), s/veh	3.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Initial Q Delay (d3), s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Control Delay (d), s/veh	39.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1st-Term Q (Q1), veh/ln	2.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2nd-Term Q (Q2), veh/ln	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0

3rd-Term Q (Q3), veh/ln	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile Back of Q Factor (f_B%)	1.00	0.00	1.00	0.00	0.00	1.00	0.00	0.00
%ile Back of Q (50%), veh/ln	2.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile Storage Ratio (RQ%)	0.13	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Initial Q (Qb), veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Final (Residual) Q (Qe), veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sat Delay (ds), s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sat Q (Qs), veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sat Cap (cs), veh/h	0	0	0	0	0	0	0	0
Initial Q Clear Time (tc), h	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Right Lane Group Data								
Assigned Mvmt	12	0	18	0	0	16	0	0
Lane Assignment	R		R					
Lanes in Grp	1	0	2	0	0	0	0	0
Grp Vol (v), veh/h	60	0	134	0	0	0	0	0
Grp Sat Flow (s), veh/h/ln	1330	0	1356	0	0	0	0	0
Q Serve Time (g_s), s	3.7	0.0	4.3	0.0	0.0	0.0	0.0	0.0
Cycle Q Clear Time (g_c), s	3.7	0.0	4.3	0.0	0.0	0.0	0.0	0.0
Prot RT Sat Flow (s_R), veh/h/ln	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Prot RT Eff Green (g_R), s	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Prop RT Outside Lane (P_R)	1.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00
Lane Grp Cap (c), veh/h	173	0	222	0	0	0	0	0
V/C Ratio (X)	0.35	0.00	0.60	0.00	0.00	0.00	0.00	0.00
Avail Cap (c_a), veh/h	508	0	500	0	0	0	0	0
Upstream Filter (I)	1.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00
Uniform Delay (d1), s/veh	35.7	0.0	39.9	0.0	0.0	0.0	0.0	0.0
Incr Delay (d2), s/veh	5.4	0.0	2.6	0.0	0.0	0.0	0.0	0.0
Initial Q Delay (d3), s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Control Delay (d), s/veh	41.1	0.0	42.5	0.0	0.0	0.0	0.0	0.0
1st-Term Q (Q1), veh/ln	1.1	0.0	1.3	0.0	0.0	0.0	0.0	0.0
2nd-Term Q (Q2), veh/ln	0.3	0.0	0.1	0.0	0.0	0.0	0.0	0.0
3rd-Term Q (Q3), veh/ln	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile Back of Q Factor (f_B%)	1.00	0.00	1.00	0.00	0.00	1.00	0.00	0.00
%ile Back of Q (50%), veh/ln	1.4	0.0	1.4	0.0	0.0	0.0	0.0	0.0
%ile Storage Ratio (RQ%)	0.21	0.00	0.13	0.00	0.00	0.00	0.00	0.00
Initial Q (Qb), veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Final (Residual) Q (Qe), veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sat Delay (ds), s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sat Q (Qs), veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sat Cap (cs), veh/h	0	0	0	0	0	0	0	0
Initial Q Clear Time (tc), h	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Intersection Summary	
HCM 6th Ctrl Delay	21.7
HCM 6th LOS	C

Notes

User approved volume balancing among the lanes for turning movement.
* HCM 6th Edition computational engine requires equal clearance times for the phases crossing the barrier.

Intersection	
Int Delay, s/veh	8.4

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Vol, veh/h	60	13	14	6	13	76	10	106	8	101	49	50
Future Vol, veh/h	60	13	14	6	13	76	10	106	8	101	49	50
Conflicting Peds, #/hr	0	0	0	0	0	0	5	0	5	5	0	5
Sign Control	Free	Free	Free	Free	Free	Free	Stop	Stop	Stop	Stop	Stop	Stop
RT Channelized	-	-	None	-	-	None	-	-	None	-	-	None
Storage Length	-	-	-	-	-	150	270	-	-	150	-	-
Veh in Median Storage, #	-	0	-	-	0	-	-	0	-	-	0	-
Grade, %	-	0	-	-	0	-	-	0	-	-	0	-
Peak Hour Factor	89	89	89	75	75	75	85	85	85	79	79	79
Heavy Vehicles, %	2	2	2	2	2	2	2	2	2	2	2	2
Mvmt Flow	67	15	16	8	17	101	12	125	9	128	62	63

Major/Minor	Major1			Major2			Minor1			Minor2		
Conflicting Flow All	118	0	0	31	0	0	308	291	28	262	198	22
Stage 1	-	-	-	-	-	-	157	157	-	33	33	-
Stage 2	-	-	-	-	-	-	151	134	-	229	165	-
Critical Hdwy	4.12	-	-	4.12	-	-	7.12	6.52	6.22	7.12	6.52	6.22
Critical Hdwy Stg 1	-	-	-	-	-	-	6.12	5.52	-	6.12	5.52	-
Critical Hdwy Stg 2	-	-	-	-	-	-	6.12	5.52	-	6.12	5.52	-
Follow-up Hdwy	2.218	-	-	2.218	-	-	3.518	4.018	3.318	3.518	4.018	3.318
Pot Cap-1 Maneuver	1470	-	-	1582	-	-	644	619	1047	691	698	1055
Stage 1	-	-	-	-	-	-	845	768	-	983	868	-
Stage 2	-	-	-	-	-	-	851	785	-	774	762	-
Platoon blocked, %		-	-		-	-						
Mov Cap-1 Maneuver	1470	-	-	1582	-	-	538	587	1043	549	662	1051
Mov Cap-2 Maneuver	-	-	-	-	-	-	538	587	-	549	662	-
Stage 1	-	-	-	-	-	-	806	733	-	938	864	-
Stage 2	-	-	-	-	-	-	736	781	-	605	727	-

Approach	EB	WB	NB	SB
HCM Control Delay, s	5.2	0.5	11.7	11.7
HCM LOS			B	B

Minor Lane/Major Mvmt	NBLn1	NBLn2	NBLn3	EBL	EBT	EBR	WBL	WBT	WBR	SBLn1	SBLn2	SBLn3
Capacity (veh/h)	538	587	623	1470	-	-	1582	-	-	549	662	881
HCM Lane V/C Ratio	0.022	0.106	0.115	0.046	-	-	0.005	-	-	0.233	0.047	0.107
HCM Control Delay (s)	11.8	11.9	11.5	7.6	0	-	7.3	0	-	13.5	10.7	9.6
HCM Lane LOS	B	B	B	A	A	-	A	A	-	B	B	A
HCM 95th %tile Q(veh)	0.1	0.4	0.4	0.1	-	-	0	-	-	0.9	0.1	0.4

Movement	WBL	WBR	NBT	NBR	SBL	SBT
Lane Configurations						
Traffic Volume (veh/h)	109	220	290	222	16	353
Future Volume (veh/h)	109	220	290	222	16	353
Number	3	18	2	12	1	6
Initial Q, veh	0	0	0	0	0	0
Ped-Bike Adj (A_pbT)	1.00	1.00		1.00	1.00	
Parking Bus Adj	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach	No		No			No
Lanes Open During Work Zone						
Adj Sat Flow, veh/h/ln	1600	1600	1870	1600	1600	1870
Adj Flow Rate, veh/h	120	242	319	244	20	430
Peak Hour Factor	0.91	0.91	0.91	0.91	0.82	0.82
Percent Heavy Veh, %	11	11	2	11	11	2
Opposing Right Turn Influence	Yes				Yes	
Cap, veh/h	198	353	2776	1056	1257	2776
HCM Platoon Ratio	1.00	1.00	2.00	2.00	1.00	1.00
Prop Arrive On Green	0.13	0.13	1.00	1.00	0.78	0.78
Unsig. Movement Delay						
Ln Grp Delay, s/veh	39.9	39.8	0.1	0.5	2.2	2.6
Ln Grp LOS	D	D	A	A	A	A
Approach Vol, veh/h	362		563			450
Approach Delay, s/veh	39.8		0.3			2.6
Approach LOS	D		A			A

Timer:	1	2	3	4	5	6	7	8
Assigned Phs		2	8			6		
Case No		7.0	9.0			6.0		
Phs Duration (G+Y+Rc), s		74.3	15.7			74.3		
Change Period (Y+Rc), s		6.0	4.6			6.0		
Max Green (Gmax), s		50.0	29.4			50.0		
Max Allow Headway (MAH), s		4.2	4.3			4.1		
Max Q Clear (g_c+I1), s		2.0	9.7			4.7		
Green Ext Time (g_e), s		2.4	1.4			2.0		
Prob of Phs Call (p_c)		1.00	1.00			1.00		
Prob of Max Out (p_x)		0.00	0.00			0.00		
Left-Turn Movement Data								
Assigned Mvmt		5	3			1		
Mvmt Sat Flow, veh/h		0	1524			1404		
Through Movement Data								
Assigned Mvmt		2	8			6		
Mvmt Sat Flow, veh/h		3647	0			3647		
Right-Turn Movement Data								
Assigned Mvmt		12	18			16		
Mvmt Sat Flow, veh/h		1351	2712			0		
Left Lane Group Data								
Assigned Mvmt	0	5	3	0	0	1	0	0
Lane Assignment			L			L		

Lanes in Grp	0	0	1	0	0	2	0	0
Grp Vol (v), veh/h	0	0	120	0	0	20	0	0
Grp Sat Flow (s), veh/h/ln	0	0	1524	0	0	702	0	0
Q Serve Time (g_s), s	0.0	0.0	6.7	0.0	0.0	0.3	0.0	0.0
Cycle Q Clear Time (g_c), s	0.0	0.0	6.7	0.0	0.0	0.3	0.0	0.0
Perm LT Sat Flow (s_l), veh/h/ln	0	0	1524	0	0	702	0	0
Shared LT Sat Flow (s_sh), veh/h/ln	0	0	0	0	0	0	0	0
Perm LT Eff Green (g_p), s	0.0	0.0	0.0	0.0	0.0	70.3	0.0	0.0
Perm LT Serve Time (g_u), s	0.0	0.0	0.0	0.0	0.0	70.3	0.0	0.0
Perm LT Q Serve Time (g_ps), s	0.0	0.0	0.0	0.0	0.0	0.3	0.0	0.0
Time to First Blk (g_f), s	0.0	70.3	0.0	0.0	0.0	0.0	0.0	0.0
Serve Time pre Blk (g_fs), s	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Prop LT Inside Lane (P_L)	0.00	0.00	1.00	0.00	0.00	1.00	0.00	0.00
Lane Grp Cap (c), veh/h	0	0	198	0	0	1257	0	0
V/C Ratio (X)	0.00	0.00	0.61	0.00	0.00	0.02	0.00	0.00
Avail Cap (c_a), veh/h	0	0	508	0	0	1257	0	0
Upstream Filter (I)	0.00	0.00	1.00	0.00	0.00	1.00	0.00	0.00
Uniform Delay (d1), s/veh	0.0	0.0	37.0	0.0	0.0	2.2	0.0	0.0
Incr Delay (d2), s/veh	0.0	0.0	3.0	0.0	0.0	0.0	0.0	0.0
Initial Q Delay (d3), s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Control Delay (d), s/veh	0.0	0.0	39.9	0.0	0.0	2.2	0.0	0.0
1st-Term Q (Q1), veh/ln	0.0	0.0	2.3	0.0	0.0	0.0	0.0	0.0
2nd-Term Q (Q2), veh/ln	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0
3rd-Term Q (Q3), veh/ln	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile Back of Q Factor (f_B%)	0.00	1.00	1.00	0.00	0.00	1.00	0.00	0.00
%ile Back of Q (50%), veh/ln	0.0	0.0	2.5	0.0	0.0	0.0	0.0	0.0
%ile Storage Ratio (RQ%)	0.00	0.00	0.06	0.00	0.00	0.00	0.00	0.00
Initial Q (Qb), veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Final (Residual) Q (Qe), veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sat Delay (ds), s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sat Q (Qs), veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sat Cap (cs), veh/h	0	0	0	0	0	0	0	0
Initial Q Clear Time (tc), h	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Middle Lane Group Data								
Assigned Mvmt	0	2	8	0	0	6	0	0
Lane Assignment		T				T		
Lanes in Grp	0	2	0	0	0	2	0	0
Grp Vol (v), veh/h	0	319	0	0	0	430	0	0
Grp Sat Flow (s), veh/h/ln	0	1777	0	0	0	1777	0	0
Q Serve Time (g_s), s	0.0	0.0	0.0	0.0	0.0	2.7	0.0	0.0
Cycle Q Clear Time (g_c), s	0.0	0.0	0.0	0.0	0.0	2.7	0.0	0.0
Lane Grp Cap (c), veh/h	0	2776	0	0	0	2776	0	0
V/C Ratio (X)	0.00	0.11	0.00	0.00	0.00	0.15	0.00	0.00
Avail Cap (c_a), veh/h	0	2776	0	0	0	2776	0	0
Upstream Filter (I)	0.00	0.96	0.00	0.00	0.00	1.00	0.00	0.00
Uniform Delay (d1), s/veh	0.0	0.0	0.0	0.0	0.0	2.5	0.0	0.0
Incr Delay (d2), s/veh	0.0	0.1	0.0	0.0	0.0	0.1	0.0	0.0
Initial Q Delay (d3), s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Control Delay (d), s/veh	0.0	0.1	0.0	0.0	0.0	2.6	0.0	0.0
1st-Term Q (Q1), veh/ln	0.0	0.0	0.0	0.0	0.0	0.4	0.0	0.0
2nd-Term Q (Q2), veh/ln	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

3rd-Term Q (Q3), veh/ln	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile Back of Q Factor (f_B%)	0.00	1.00	1.00	0.00	0.00	1.00	0.00	0.00
%ile Back of Q (50%), veh/ln	0.0	0.0	0.0	0.0	0.0	0.4	0.0	0.0
%ile Storage Ratio (RQ%)	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00
Initial Q (Qb), veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Final (Residual) Q (Qe), veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sat Delay (ds), s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sat Q (Qs), veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sat Cap (cs), veh/h	0	0	0	0	0	0	0	0
Initial Q Clear Time (tc), h	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Right Lane Group Data								
Assigned Mvmt	0	12	18	0	0	16	0	0
Lane Assignment		R	R					
Lanes in Grp	0	1	2	0	0	0	0	0
Grp Vol (v), veh/h	0	244	242	0	0	0	0	0
Grp Sat Flow (s), veh/h/ln	0	1351	1356	0	0	0	0	0
Q Serve Time (g_s), s	0.0	0.0	7.7	0.0	0.0	0.0	0.0	0.0
Cycle Q Clear Time (g_c), s	0.0	0.0	7.7	0.0	0.0	0.0	0.0	0.0
Prot RT Sat Flow (s_R), veh/h/ln	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Prot RT Eff Green (g_R), s	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Prop RT Outside Lane (P_R)	0.00	1.00	1.00	0.00	0.00	0.00	0.00	0.00
Lane Grp Cap (c), veh/h	0	1056	353	0	0	0	0	0
V/C Ratio (X)	0.00	0.23	0.69	0.00	0.00	0.00	0.00	0.00
Avail Cap (c_a), veh/h	0	1056	904	0	0	0	0	0
Upstream Filter (I)	0.00	0.96	1.00	0.00	0.00	0.00	0.00	0.00
Uniform Delay (d1), s/veh	0.0	0.0	37.4	0.0	0.0	0.0	0.0	0.0
Incr Delay (d2), s/veh	0.0	0.5	2.4	0.0	0.0	0.0	0.0	0.0
Initial Q Delay (d3), s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Control Delay (d), s/veh	0.0	0.5	39.8	0.0	0.0	0.0	0.0	0.0
1st-Term Q (Q1), veh/ln	0.0	0.0	2.4	0.0	0.0	0.0	0.0	0.0
2nd-Term Q (Q2), veh/ln	0.0	0.1	0.1	0.0	0.0	0.0	0.0	0.0
3rd-Term Q (Q3), veh/ln	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile Back of Q Factor (f_B%)	0.00	1.00	1.00	0.00	0.00	1.00	0.00	0.00
%ile Back of Q (50%), veh/ln	0.0	0.1	2.5	0.0	0.0	0.0	0.0	0.0
%ile Storage Ratio (RQ%)	0.00	0.03	0.22	0.00	0.00	0.00	0.00	0.00
Initial Q (Qb), veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Final (Residual) Q (Qe), veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sat Delay (ds), s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sat Q (Qs), veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sat Cap (cs), veh/h	0	0	0	0	0	0	0	0
Initial Q Clear Time (tc), h	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Intersection Summary	
HCM 6th Ctrl Delay	11.4
HCM 6th LOS	B

Notes

User approved volume balancing among the lanes for turning movement.

Movement	WBL	WBR	NBT	NBR	SBL	SBT
Lane Configurations						
Traffic Volume (veh/h)	228	107	411	140	220	243
Future Volume (veh/h)	228	107	411	140	220	243
Number	3	18	2	12	1	6
Initial Q, veh	0	0	0	0	0	0
Ped-Bike Adj (A_pbT)	1.00	1.00		1.00	1.00	
Parking Bus Adj	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach	No		No			No
Lanes Open During Work Zone						
Adj Sat Flow, veh/h/ln	1600	1600	1870	1600	1600	1870
Adj Flow Rate, veh/h	265	124	457	156	272	300
Peak Hour Factor	0.86	0.86	0.90	0.90	0.81	0.81
Percent Heavy Veh, %	11	11	2	11	11	2
Opposing Right Turn Influence	Yes				Yes	
Cap, veh/h	385	171	1880	714	322	2730
HCM Platoon Ratio	1.00	1.00	1.00	1.00	2.00	2.00
Prop Arrive On Green	0.13	0.13	0.53	0.53	0.42	1.00
Unsig. Movement Delay						
Ln Grp Delay, s/veh	39.8	43.5	11.8	12.0	34.1	0.1
Ln Grp LOS	D	D	B	B	C	A
Approach Vol, veh/h	389		613			572
Approach Delay, s/veh	41.0		11.8			16.2
Approach LOS	D		B			B

Timer:	1	2	3	4	5	6	7	8
Assigned Phs	1	2	8			6		
Case No	2.0	7.0	9.0			4.0		
Phs Duration (G+Y+Rc), s	23.0	51.6	15.4			74.6		
Change Period (Y+Rc), s	6.0	6.0	4.6			* 6		
Max Green (Gmax), s	25.0	32.4	16.0			* 65		
Max Allow Headway (MAH), s	4.1	4.1	4.2			4.0		
Max Q Clear (g_c+I1), s	16.4	8.3	9.9			2.0		
Green Ext Time (g_e), s	0.6	2.5	0.8			1.2		
Prob of Phs Call (p_c)	1.00	1.00	1.00			1.00		
Prob of Max Out (p_x)	0.07	0.00	0.40			0.00		

Left-Turn Movement Data								
Assigned Mvmt	1	5	3					
Mvmt Sat Flow, veh/h	1524	0	3047					

Through Movement Data								
Assigned Mvmt		2	8			6		
Mvmt Sat Flow, veh/h		3647	0			3647		

Right-Turn Movement Data								
Assigned Mvmt		12	18			16		
Mvmt Sat Flow, veh/h		1349	1356			0		

Left Lane Group Data								
Assigned Mvmt	1	5	3	0	0	0	0	0
Lane Assignment	L (Prot)		L					

Lanes in Grp	1	0	2	0	0	0	0	0
Grp Vol (v), veh/h	272	0	265	0	0	0	0	0
Grp Sat Flow (s), veh/h/ln	1524	0	1524	0	0	0	0	0
Q Serve Time (g_s), s	14.4	0.0	7.5	0.0	0.0	0.0	0.0	0.0
Cycle Q Clear Time (g_c), s	14.4	0.0	7.5	0.0	0.0	0.0	0.0	0.0
Perm LT Sat Flow (s_l), veh/h/ln	0	0	1524	0	0	0	0	0
Shared LT Sat Flow (s_sh), veh/h/ln	0	0	0	0	0	0	0	0
Perm LT Eff Green (g_p), s	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Perm LT Serve Time (g_u), s	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Perm LT Q Serve Time (g_ps), s	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Time to First Blk (g_f), s	0.0	47.6	0.0	0.0	0.0	0.0	0.0	0.0
Serve Time pre Blk (g_fs), s	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Prop LT Inside Lane (P_L)	1.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00
Lane Grp Cap (c), veh/h	322	0	385	0	0	0	0	0
V/C Ratio (X)	0.84	0.00	0.69	0.00	0.00	0.00	0.00	0.00
Avail Cap (c_a), veh/h	457	0	562	0	0	0	0	0
Upstream Filter (I)	0.96	0.00	1.00	0.00	0.00	0.00	0.00	0.00
Uniform Delay (d1), s/veh	24.7	0.0	37.6	0.0	0.0	0.0	0.0	0.0
Incr Delay (d2), s/veh	9.4	0.0	2.2	0.0	0.0	0.0	0.0	0.0
Initial Q Delay (d3), s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Control Delay (d), s/veh	34.1	0.0	39.8	0.0	0.0	0.0	0.0	0.0
1st-Term Q (Q1), veh/ln	3.6	0.0	2.6	0.0	0.0	0.0	0.0	0.0
2nd-Term Q (Q2), veh/ln	0.8	0.0	0.1	0.0	0.0	0.0	0.0	0.0
3rd-Term Q (Q3), veh/ln	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile Back of Q Factor (f_B%)	1.00	1.00	1.00	0.00	0.00	0.00	0.00	0.00
%ile Back of Q (50%), veh/ln	4.4	0.0	2.7	0.0	0.0	0.0	0.0	0.0
%ile Storage Ratio (RQ%)	0.30	0.00	0.07	0.00	0.00	0.00	0.00	0.00
Initial Q (Qb), veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Final (Residual) Q (Qe), veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sat Delay (ds), s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sat Q (Qs), veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sat Cap (cs), veh/h	0	0	0	0	0	0	0	0
Initial Q Clear Time (tc), h	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Middle Lane Group Data								
Assigned Mvmt	0	2	8	0	0	6	0	0
Lane Assignment		T				T		
Lanes in Grp	0	2	0	0	0	2	0	0
Grp Vol (v), veh/h	0	457	0	0	0	300	0	0
Grp Sat Flow (s), veh/h/ln	0	1777	0	0	0	1777	0	0
Q Serve Time (g_s), s	0.0	6.3	0.0	0.0	0.0	0.0	0.0	0.0
Cycle Q Clear Time (g_c), s	0.0	6.3	0.0	0.0	0.0	0.0	0.0	0.0
Lane Grp Cap (c), veh/h	0	1880	0	0	0	2730	0	0
V/C Ratio (X)	0.00	0.24	0.00	0.00	0.00	0.11	0.00	0.00
Avail Cap (c_a), veh/h	0	1880	0	0	0	2730	0	0
Upstream Filter (I)	0.00	1.00	0.00	0.00	0.00	0.96	0.00	0.00
Uniform Delay (d1), s/veh	0.0	11.4	0.0	0.0	0.0	0.0	0.0	0.0
Incr Delay (d2), s/veh	0.0	0.3	0.0	0.0	0.0	0.1	0.0	0.0
Initial Q Delay (d3), s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Control Delay (d), s/veh	0.0	11.8	0.0	0.0	0.0	0.1	0.0	0.0
1st-Term Q (Q1), veh/ln	0.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0
2nd-Term Q (Q2), veh/ln	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0

3rd-Term Q (Q3), veh/ln	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile Back of Q Factor (f_B%)	0.00	1.00	1.00	0.00	0.00	1.00	0.00	0.00
%ile Back of Q (50%), veh/ln	0.0	2.1	0.0	0.0	0.0	0.0	0.0	0.0
%ile Storage Ratio (RQ%)	0.00	0.11	0.00	0.00	0.00	0.00	0.00	0.00
Initial Q (Qb), veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Final (Residual) Q (Qe), veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sat Delay (ds), s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sat Q (Qs), veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sat Cap (cs), veh/h	0	0	0	0	0	0	0	0
Initial Q Clear Time (tc), h	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Right Lane Group Data								
Assigned Mvmt	0	12	18	0	0	16	0	0
Lane Assignment		R	R					
Lanes in Grp	0	1	1	0	0	0	0	0
Grp Vol (v), veh/h	0	156	124	0	0	0	0	0
Grp Sat Flow (s), veh/h/ln	0	1349	1356	0	0	0	0	0
Q Serve Time (g_s), s	0.0	5.5	7.9	0.0	0.0	0.0	0.0	0.0
Cycle Q Clear Time (g_c), s	0.0	5.5	7.9	0.0	0.0	0.0	0.0	0.0
Prot RT Sat Flow (s_R), veh/h/ln	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Prot RT Eff Green (g_R), s	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Prop RT Outside Lane (P_R)	0.00	1.00	1.00	0.00	0.00	0.00	0.00	0.00
Lane Grp Cap (c), veh/h	0	714	171	0	0	0	0	0
V/C Ratio (X)	0.00	0.22	0.72	0.00	0.00	0.00	0.00	0.00
Avail Cap (c_a), veh/h	0	714	250	0	0	0	0	0
Upstream Filter (I)	0.00	1.00	1.00	0.00	0.00	0.00	0.00	0.00
Uniform Delay (d1), s/veh	0.0	11.3	37.8	0.0	0.0	0.0	0.0	0.0
Incr Delay (d2), s/veh	0.0	0.7	5.7	0.0	0.0	0.0	0.0	0.0
Initial Q Delay (d3), s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Control Delay (d), s/veh	0.0	12.0	43.5	0.0	0.0	0.0	0.0	0.0
1st-Term Q (Q1), veh/ln	0.0	1.4	2.4	0.0	0.0	0.0	0.0	0.0
2nd-Term Q (Q2), veh/ln	0.0	0.1	0.3	0.0	0.0	0.0	0.0	0.0
3rd-Term Q (Q3), veh/ln	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile Back of Q Factor (f_B%)	0.00	1.00	1.00	0.00	0.00	1.00	0.00	0.00
%ile Back of Q (50%), veh/ln	0.0	1.5	2.7	0.0	0.0	0.0	0.0	0.0
%ile Storage Ratio (RQ%)	0.00	0.23	0.25	0.00	0.00	0.00	0.00	0.00
Initial Q (Qb), veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Final (Residual) Q (Qe), veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sat Delay (ds), s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sat Q (Qs), veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sat Cap (cs), veh/h	0	0	0	0	0	0	0	0
Initial Q Clear Time (tc), h	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Intersection Summary	
HCM 6th Ctrl Delay	20.6
HCM 6th LOS	C

Notes

User approved volume balancing among the lanes for turning movement.

* HCM 6th Edition computational engine requires equal clearance times for the phases crossing the barrier.

Intersection	
Int Delay, s/veh	33.7

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Vol, veh/h	60	13	14	11	13	371	10	106	12	370	49	50
Future Vol, veh/h	60	13	14	11	13	371	10	106	12	370	49	50
Conflicting Peds, #/hr	0	0	0	0	0	0	5	0	5	5	0	5
Sign Control	Free	Free	Free	Free	Free	Free	Stop	Stop	Stop	Stop	Stop	Stop
RT Channelized	-	-	None	-	-	None	-	-	None	-	-	None
Storage Length	-	-	-	-	-	150	270	-	-	150	-	-
Veh in Median Storage,#	-	0	-	-	0	-	-	0	-	-	0	-
Grade, %	-	0	-	-	0	-	-	0	-	-	0	-
Peak Hour Factor	89	89	89	75	75	75	85	85	85	79	79	79
Heavy Vehicles, %	2	2	2	2	2	2	2	2	2	2	2	2
Mvmt Flow	67	15	16	15	17	495	12	125	14	468	62	63

Major/Minor	Major1			Major2			Minor1			Minor2		
Conflicting Flow All	512	0	0	31	0	0	519	699	28	279	212	22
Stage 1	-	-	-	-	-	-	157	157	-	47	47	-
Stage 2	-	-	-	-	-	-	362	542	-	232	165	-
Critical Hdwy	4.12	-	-	4.12	-	-	7.12	6.52	6.22	7.12	6.52	6.22
Critical Hdwy Stg 1	-	-	-	-	-	-	6.12	5.52	-	6.12	5.52	-
Critical Hdwy Stg 2	-	-	-	-	-	-	6.12	5.52	-	6.12	5.52	-
Follow-up Hdwy	2.218	-	-	2.218	-	-	3.518	4.018	3.318	3.518	4.018	3.318
Pot Cap-1 Maneuver	1053	-	-	1582	-	-	467	364	1047	673	685	1055
Stage 1	-	-	-	-	-	-	845	768	-	967	856	-
Stage 2	-	-	-	-	-	-	657	520	-	771	762	-
Platoon blocked, %		-	-		-	-						
Mov Cap-1 Maneuver	1053	-	-	1582	-	-	381	336	1043	~ 444	632	1051
Mov Cap-2 Maneuver	-	-	-	-	-	-	381	336	-	~ 444	632	-
Stage 1	-	-	-	-	-	-	790	718	-	904	844	-
Stage 2	-	-	-	-	-	-	562	513	-	585	712	-

Approach	EB	WB	NB	SB
HCM Control Delay, s	6	0.2	14.1	35.5
HCM LOS			B	E

Minor Lane/Major Mvmt	NBLn1	NBLn2	NBLn3	EBL	EBT	EBR	WBL	WBT	WBR	SBLn1	SBLn2	SBLn3
Capacity (veh/h)	381	336	384	1053	-	-	1582	-	-	444	632	863
HCM Lane V/C Ratio	0.031	0.186	0.199	0.064	-	-	0.009	-	-	1.055	0.049	0.109
HCM Control Delay (s)	14.8	18.1	16.7	8.7	0	-	7.3	0	-	88.7	11	9.7
HCM Lane LOS	B	C	C	A	A	-	A	A	-	F	B	A
HCM 95th %tile Q(veh)	0.1	0.7	0.7	0.2	-	-	0	-	-	14.9	0.2	0.4

Notes			
~: Volume exceeds capacity	$: Delay exceeds 300s	+: Computation Not Defined	*: All major volume in platoon

Movement	WBL	WBR	NBT	NBR	SBL	SBT
Lane Configurations						
Traffic Volume (veh/h)	58	424	447	74	24	480
Future Volume (veh/h)	58	424	447	74	24	480
Number	3	18	2	12	1	6
Initial Q, veh	0	0	0	0	0	0
Ped-Bike Adj (A_pbT)	1.00	1.00		1.00	1.00	
Parking Bus Adj	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach	No		No			No
Lanes Open During Work Zone						
Adj Sat Flow, veh/h/ln	1600	1600	1870	1600	1600	1870
Adj Flow Rate, veh/h	64	466	491	81	29	585
Peak Hour Factor	0.91	0.91	0.91	0.91	0.82	0.82
Percent Heavy Veh, %	11	11	2	11	11	2
Opposing Right Turn Influence	Yes				Yes	
Cap, veh/h	332	591	2463	936	970	2463
HCM Platoon Ratio	1.00	1.00	0.33	0.33	1.00	1.00
Prop Arrive On Green	0.22	0.22	0.23	0.23	0.69	0.69
Unsig. Movement Delay						
Ln Grp Delay, s/veh	29.0	35.6	14.7	12.5	8.1	5.3
Ln Grp LOS	C	D	B	B	A	A
Approach Vol, veh/h	530		572			614
Approach Delay, s/veh	34.8		14.4			5.4
Approach LOS	C		B			A

Timer:	1	2	3	4	5	6	7	8
Assigned Phs		2	8			6		
Case No		7.0	9.0			6.0		
Phs Duration (G+Y+Rc), s		66.4	23.6			66.4		
Change Period (Y+Rc), s		6.0	4.6			6.0		
Max Green (Gmax), s		41.0	38.4			41.0		
Max Allow Headway (MAH), s		4.0	4.3			4.1		
Max Q Clear (g_c+I1), s		12.0	16.6			12.8		
Green Ext Time (g_e), s		2.4	2.4			2.8		
Prob of Phs Call (p_c)		1.00	1.00			1.00		
Prob of Max Out (p_x)		0.00	0.00			0.00		
Left-Turn Movement Data								
Assigned Mvmt		5	3			1		
Mvmt Sat Flow, veh/h		0	1524			1393		
Through Movement Data								
Assigned Mvmt		2	8			6		
Mvmt Sat Flow, veh/h		3647	0			3647		
Right-Turn Movement Data								
Assigned Mvmt		12	18			16		
Mvmt Sat Flow, veh/h		1351	2712			0		
Left Lane Group Data								
Assigned Mvmt	0	5	3	0	0	1	0	0
Lane Assignment			L			L		

Lanes in Grp	0	0	1	0	0	2	0	0
Grp Vol (v), veh/h	0	0	64	0	0	29	0	0
Grp Sat Flow (s), veh/h/ln	0	0	1524	0	0	696	0	0
Q Serve Time (g_s), s	0.0	0.0	3.1	0.0	0.0	0.8	0.0	0.0
Cycle Q Clear Time (g_c), s	0.0	0.0	3.1	0.0	0.0	10.8	0.0	0.0
Perm LT Sat Flow (s_l), veh/h/ln	0	0	1524	0	0	696	0	0
Shared LT Sat Flow (s_sh), veh/h/ln	0	0	0	0	0	0	0	0
Perm LT Eff Green (g_p), s	0.0	0.0	0.0	0.0	0.0	62.4	0.0	0.0
Perm LT Serve Time (g_u), s	0.0	0.0	0.0	0.0	0.0	52.3	0.0	0.0
Perm LT Q Serve Time (g_ps), s	0.0	0.0	0.0	0.0	0.0	0.8	0.0	0.0
Time to First Blk (g_f), s	0.0	62.4	0.0	0.0	0.0	0.0	0.0	0.0
Serve Time pre Blk (g_fs), s	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Prop LT Inside Lane (P_L)	0.00	0.00	1.00	0.00	0.00	1.00	0.00	0.00
Lane Grp Cap (c), veh/h	0	0	332	0	0	970	0	0
V/C Ratio (X)	0.00	0.00	0.19	0.00	0.00	0.03	0.00	0.00
Avail Cap (c_a), veh/h	0	0	660	0	0	970	0	0
Upstream Filter (I)	0.00	0.00	1.00	0.00	0.00	1.00	0.00	0.00
Uniform Delay (d1), s/veh	0.0	0.0	28.7	0.0	0.0	8.1	0.0	0.0
Incr Delay (d2), s/veh	0.0	0.0	0.3	0.0	0.0	0.1	0.0	0.0
Initial Q Delay (d3), s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Control Delay (d), s/veh	0.0	0.0	29.0	0.0	0.0	8.1	0.0	0.0
1st-Term Q (Q1), veh/ln	0.0	0.0	1.0	0.0	0.0	0.1	0.0	0.0
2nd-Term Q (Q2), veh/ln	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3rd-Term Q (Q3), veh/ln	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile Back of Q Factor (f_B%)	0.00	1.00	1.00	0.00	0.00	1.00	0.00	0.00
%ile Back of Q (50%), veh/ln	0.0	0.0	1.1	0.0	0.0	0.1	0.0	0.0
%ile Storage Ratio (RQ%)	0.00	0.00	0.03	0.00	0.00	0.01	0.00	0.00
Initial Q (Qb), veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Final (Residual) Q (Qe), veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sat Delay (ds), s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sat Q (Qs), veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sat Cap (cs), veh/h	0	0	0	0	0	0	0	0
Initial Q Clear Time (tc), h	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Middle Lane Group Data								
Assigned Mvmt	0	2	8	0	0	6	0	0
Lane Assignment		T				T		
Lanes in Grp	0	2	0	0	0	2	0	0
Grp Vol (v), veh/h	0	491	0	0	0	585	0	0
Grp Sat Flow (s), veh/h/ln	0	1777	0	0	0	1777	0	0
Q Serve Time (g_s), s	0.0	10.0	0.0	0.0	0.0	5.4	0.0	0.0
Cycle Q Clear Time (g_c), s	0.0	10.0	0.0	0.0	0.0	5.4	0.0	0.0
Lane Grp Cap (c), veh/h	0	2463	0	0	0	2463	0	0
V/C Ratio (X)	0.00	0.20	0.00	0.00	0.00	0.24	0.00	0.00
Avail Cap (c_a), veh/h	0	2463	0	0	0	2463	0	0
Upstream Filter (I)	0.00	0.94	0.00	0.00	0.00	1.00	0.00	0.00
Uniform Delay (d1), s/veh	0.0	14.5	0.0	0.0	0.0	5.1	0.0	0.0
Incr Delay (d2), s/veh	0.0	0.2	0.0	0.0	0.0	0.2	0.0	0.0
Initial Q Delay (d3), s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Control Delay (d), s/veh	0.0	14.7	0.0	0.0	0.0	5.3	0.0	0.0
1st-Term Q (Q1), veh/ln	0.0	3.5	0.0	0.0	0.0	1.3	0.0	0.0
2nd-Term Q (Q2), veh/ln	0.0	0.1	0.0	0.0	0.0	0.1	0.0	0.0

3rd-Term Q (Q3), veh/ln	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile Back of Q Factor (f_B%)	0.00	1.00	1.00	0.00	0.00	1.00	0.00	0.00
%ile Back of Q (50%), veh/ln	0.0	3.5	0.0	0.0	0.0	1.4	0.0	0.0
%ile Storage Ratio (RQ%)	0.00	0.11	0.00	0.00	0.00	0.04	0.00	0.00
Initial Q (Qb), veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Final (Residual) Q (Qe), veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sat Delay (ds), s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sat Q (Qs), veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sat Cap (cs), veh/h	0	0	0	0	0	0	0	0
Initial Q Clear Time (tc), h	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Right Lane Group Data								
Assigned Mvmt	0	12	18	0	0	16	0	0
Lane Assignment		R	R					
Lanes in Grp	0	1	2	0	0	0	0	0
Grp Vol (v), veh/h	0	81	466	0	0	0	0	0
Grp Sat Flow (s), veh/h/ln	0	1351	1356	0	0	0	0	0
Q Serve Time (g_s), s	0.0	4.2	14.6	0.0	0.0	0.0	0.0	0.0
Cycle Q Clear Time (g_c), s	0.0	4.2	14.6	0.0	0.0	0.0	0.0	0.0
Prot RT Sat Flow (s_R), veh/h/ln	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Prot RT Eff Green (g_R), s	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Prop RT Outside Lane (P_R)	0.00	1.00	1.00	0.00	0.00	0.00	0.00	0.00
Lane Grp Cap (c), veh/h	0	936	591	0	0	0	0	0
V/C Ratio (X)	0.00	0.09	0.79	0.00	0.00	0.00	0.00	0.00
Avail Cap (c_a), veh/h	0	936	1175	0	0	0	0	0
Upstream Filter (I)	0.00	0.94	1.00	0.00	0.00	0.00	0.00	0.00
Uniform Delay (d1), s/veh	0.0	12.3	33.2	0.0	0.0	0.0	0.0	0.0
Incr Delay (d2), s/veh	0.0	0.2	2.4	0.0	0.0	0.0	0.0	0.0
Initial Q Delay (d3), s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Control Delay (d), s/veh	0.0	12.5	35.6	0.0	0.0	0.0	0.0	0.0
1st-Term Q (Q1), veh/ln	0.0	0.9	4.4	0.0	0.0	0.0	0.0	0.0
2nd-Term Q (Q2), veh/ln	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0
3rd-Term Q (Q3), veh/ln	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile Back of Q Factor (f_B%)	0.00	1.00	1.00	0.00	0.00	1.00	0.00	0.00
%ile Back of Q (50%), veh/ln	0.0	0.9	4.6	0.0	0.0	0.0	0.0	0.0
%ile Storage Ratio (RQ%)	0.00	0.19	0.41	0.00	0.00	0.00	0.00	0.00
Initial Q (Qb), veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Final (Residual) Q (Qe), veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sat Delay (ds), s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sat Q (Qs), veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sat Cap (cs), veh/h	0	0	0	0	0	0	0	0
Initial Q Clear Time (tc), h	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Intersection Summary	
HCM 6th Ctrl Delay	17.5
HCM 6th LOS	B

Notes

User approved volume balancing among the lanes for turning movement.

Movement	WBL	WBR	NBT	NBR	SBL	SBT
Lane Configurations						
Traffic Volume (veh/h)	72	118	419	112	378	236
Future Volume (veh/h)	72	118	419	112	378	236
Number	3	18	2	12	1	6
Initial Q, veh	0	0	0	0	0	0
Ped-Bike Adj (A_pbT)	1.00	1.00		0.99	1.00	
Parking Bus Adj	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach	No		No			No
Lanes Open During Work Zone						
Adj Sat Flow, veh/h/ln	1600	1600	1870	1600	1600	1870
Adj Flow Rate, veh/h	74	148	466	124	467	291
Peak Hour Factor	0.86	0.86	0.90	0.90	0.81	0.81
Percent Heavy Veh, %	11	11	2	11	11	2
Opposing Right Turn Influence	Yes				Yes	
Cap, veh/h	133	237	714	269	881	2868
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.67	1.67
Prop Arrive On Green	0.09	0.09	0.20	0.20	0.97	1.00
Unsig. Movement Delay						
Ln Grp Delay, s/veh	43.0	42.3	37.7	37.2	1.3	0.1
Ln Grp LOS	D	D	D	D	A	A
Approach Vol, veh/h	222		590			758
Approach Delay, s/veh	42.5		37.6			0.8
Approach LOS	D		D			A

Timer:	1	2	3	4	5	6	7	8
Assigned Phs	2	1	8			6		
Case No	7.0	2.0	9.0			4.0		
Phs Duration (G+Y+Rc), s	22.1	56.0	11.9			78.1		
Change Period (Y+Rc), s	6.0	6.0	4.6			* 6		
Max Green (Gmax), s	31.4	26.0	16.0			* 65		
Max Allow Headway (MAH), s	4.1	4.1	4.3			4.0		
Max Q Clear (g_c+I1), s	12.9	3.9	6.7			2.0		
Green Ext Time (g_e), s	2.3	1.8	0.6			1.2		
Prob of Phs Call (p_c)	1.00	1.00	1.00			1.00		
Prob of Max Out (p_x)	0.00	0.00	0.04			0.00		

Left-Turn Movement Data								
Assigned Mvmt	5	1	3					
Mvmt Sat Flow, veh/h	0	1524	1524					

Through Movement Data								
Assigned Mvmt	2		8			6		
Mvmt Sat Flow, veh/h	3647		0			3647		

Right-Turn Movement Data								
Assigned Mvmt	12		18			16		
Mvmt Sat Flow, veh/h	1339		2712			0		

Left Lane Group Data								
Assigned Mvmt	5	1	3	0	0	0	0	0
Lane Assignment		L (Prot)	L					

Lanes in Grp	0	1	1	0	0	0	0	0
Grp Vol (v), veh/h	0	467	74	0	0	0	0	0
Grp Sat Flow (s), veh/h/ln	0	1524	1524	0	0	0	0	0
Q Serve Time (g_s), s	0.0	1.9	4.2	0.0	0.0	0.0	0.0	0.0
Cycle Q Clear Time (g_c), s	0.0	1.9	4.2	0.0	0.0	0.0	0.0	0.0
Perm LT Sat Flow (s_l), veh/h/ln	0	0	1524	0	0	0	0	0
Shared LT Sat Flow (s_sh), veh/h/ln	0	0	0	0	0	0	0	0
Perm LT Eff Green (g_p), s	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Perm LT Serve Time (g_u), s	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Perm LT Q Serve Time (g_ps), s	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Time to First Blk (g_f), s	18.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Serve Time pre Blk (g_fs), s	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Prop LT Inside Lane (P_L)	0.00	1.00	1.00	0.00	0.00	0.00	0.00	0.00
Lane Grp Cap (c), veh/h	0	881	133	0	0	0	0	0
V/C Ratio (X)	0.00	0.53	0.55	0.00	0.00	0.00	0.00	0.00
Avail Cap (c_a), veh/h	0	881	281	0	0	0	0	0
Upstream Filter (I)	0.00	0.95	1.00	0.00	0.00	0.00	0.00	0.00
Uniform Delay (d1), s/veh	0.0	0.7	39.4	0.0	0.0	0.0	0.0	0.0
Incr Delay (d2), s/veh	0.0	0.6	3.6	0.0	0.0	0.0	0.0	0.0
Initial Q Delay (d3), s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Control Delay (d), s/veh	0.0	1.3	43.0	0.0	0.0	0.0	0.0	0.0
1st-Term Q (Q1), veh/ln	0.0	0.3	1.5	0.0	0.0	0.0	0.0	0.0
2nd-Term Q (Q2), veh/ln	0.0	0.1	0.1	0.0	0.0	0.0	0.0	0.0
3rd-Term Q (Q3), veh/ln	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile Back of Q Factor (f_B%)	1.00	1.00	1.00	0.00	0.00	0.00	0.00	0.00
%ile Back of Q (50%), veh/ln	0.0	0.4	1.6	0.0	0.0	0.0	0.0	0.0
%ile Storage Ratio (RQ%)	0.00	0.03	0.04	0.00	0.00	0.00	0.00	0.00
Initial Q (Qb), veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Final (Residual) Q (Qe), veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sat Delay (ds), s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sat Q (Qs), veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sat Cap (cs), veh/h	0	0	0	0	0	0	0	0
Initial Q Clear Time (tc), h	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Middle Lane Group Data								
Assigned Mvmt	2	0	8	0	0	6	0	0
Lane Assignment	T					T		
Lanes in Grp	2	0	0	0	0	2	0	0
Grp Vol (v), veh/h	466	0	0	0	0	291	0	0
Grp Sat Flow (s), veh/h/ln	1777	0	0	0	0	1777	0	0
Q Serve Time (g_s), s	10.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Cycle Q Clear Time (g_c), s	10.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Lane Grp Cap (c), veh/h	714	0	0	0	0	2868	0	0
V/C Ratio (X)	0.65	0.00	0.00	0.00	0.00	0.10	0.00	0.00
Avail Cap (c_a), veh/h	1319	0	0	0	0	2868	0	0
Upstream Filter (I)	1.00	0.00	0.00	0.00	0.00	0.95	0.00	0.00
Uniform Delay (d1), s/veh	33.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Incr Delay (d2), s/veh	4.6	0.0	0.0	0.0	0.0	0.1	0.0	0.0
Initial Q Delay (d3), s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Control Delay (d), s/veh	37.7	0.0	0.0	0.0	0.0	0.1	0.0	0.0
1st-Term Q (Q1), veh/ln	4.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2nd-Term Q (Q2), veh/ln	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0

3rd-Term Q (Q3), veh/ln	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile Back of Q Factor (f_B%)	1.00	0.00	1.00	0.00	0.00	1.00	0.00	0.00
%ile Back of Q (50%), veh/ln	4.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile Storage Ratio (RQ%)	0.25	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Initial Q (Qb), veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Final (Residual) Q (Qe), veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sat Delay (ds), s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sat Q (Qs), veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sat Cap (cs), veh/h	0	0	0	0	0	0	0	0
Initial Q Clear Time (tc), h	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Right Lane Group Data								
Assigned Mvmt	12	0	18	0	0	16	0	0
Lane Assignment	R		R					
Lanes in Grp	1	0	2	0	0	0	0	0
Grp Vol (v), veh/h	124	0	148	0	0	0	0	0
Grp Sat Flow (s), veh/h/ln	1339	0	1356	0	0	0	0	0
Q Serve Time (g_s), s	7.3	0.0	4.7	0.0	0.0	0.0	0.0	0.0
Cycle Q Clear Time (g_c), s	7.3	0.0	4.7	0.0	0.0	0.0	0.0	0.0
Prot RT Sat Flow (s_R), veh/h/ln	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Prot RT Eff Green (g_R), s	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Prop RT Outside Lane (P_R)	1.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00
Lane Grp Cap (c), veh/h	269	0	237	0	0	0	0	0
V/C Ratio (X)	0.46	0.00	0.62	0.00	0.00	0.00	0.00	0.00
Avail Cap (c_a), veh/h	497	0	500	0	0	0	0	0
Upstream Filter (I)	1.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00
Uniform Delay (d1), s/veh	31.7	0.0	39.6	0.0	0.0	0.0	0.0	0.0
Incr Delay (d2), s/veh	5.6	0.0	2.7	0.0	0.0	0.0	0.0	0.0
Initial Q Delay (d3), s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Control Delay (d), s/veh	37.2	0.0	42.3	0.0	0.0	0.0	0.0	0.0
1st-Term Q (Q1), veh/ln	2.2	0.0	1.5	0.0	0.0	0.0	0.0	0.0
2nd-Term Q (Q2), veh/ln	0.4	0.0	0.1	0.0	0.0	0.0	0.0	0.0
3rd-Term Q (Q3), veh/ln	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile Back of Q Factor (f_B%)	1.00	0.00	1.00	0.00	0.00	1.00	0.00	0.00
%ile Back of Q (50%), veh/ln	2.6	0.0	1.6	0.0	0.0	0.0	0.0	0.0
%ile Storage Ratio (RQ%)	0.39	0.00	0.14	0.00	0.00	0.00	0.00	0.00
Initial Q (Qb), veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Final (Residual) Q (Qe), veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sat Delay (ds), s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sat Q (Qs), veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sat Cap (cs), veh/h	0	0	0	0	0	0	0	0
Initial Q Clear Time (tc), h	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Intersection Summary	
HCM 6th Ctrl Delay	20.5
HCM 6th LOS	C

Notes

User approved volume balancing among the lanes for turning movement.
* HCM 6th Edition computational engine requires equal clearance times for the phases crossing the barrier.

Intersection	
Int Delay, s/veh	132

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Vol, veh/h	102	22	24	10	22	130	29	309	23	209	102	104
Future Vol, veh/h	102	22	24	10	22	130	29	309	23	209	102	104
Conflicting Peds, #/hr	0	0	0	0	0	0	5	0	5	5	0	5
Sign Control	Free	Free	Free	Free	Free	Free	Stop	Stop	Stop	Stop	Stop	Stop
RT Channelized	-	-	None	-	-	None	-	-	None	-	-	None
Storage Length	-	-	-	-	-	150	270	-	-	150	-	-
Veh in Median Storage, #	-	0	-	-	0	-	-	0	-	-	0	-
Grade, %	-	0	-	-	0	-	-	0	-	-	0	-
Peak Hour Factor	89	89	89	75	75	75	85	85	85	79	79	79
Heavy Vehicles, %	2	2	2	2	2	2	2	2	2	2	2	2
Mvmt Flow	115	25	27	13	29	173	34	364	27	265	129	132

Major/Minor	Major1			Major2			Minor1			Minor2		
Conflicting Flow All	202	0	0	52	0	0	546	497	44	524	337	34
Stage 1	-	-	-	-	-	-	269	269	-	55	55	-
Stage 2	-	-	-	-	-	-	277	228	-	469	282	-
Critical Hdwy	4.12	-	-	4.12	-	-	7.12	6.52	6.22	7.12	6.52	6.22
Critical Hdwy Stg 1	-	-	-	-	-	-	6.12	5.52	-	6.12	5.52	-
Critical Hdwy Stg 2	-	-	-	-	-	-	6.12	5.52	-	6.12	5.52	-
Follow-up Hdwy	2.218	-	-	2.218	-	-	3.518	4.018	3.318	3.518	4.018	3.318
Pot Cap-1 Maneuver	1370	-	-	1554	-	-	448	475	1026	464	584	1039
Stage 1	-	-	-	-	-	-	737	687	-	957	849	-
Stage 2	-	-	-	-	-	-	729	715	-	575	678	-
Platoon blocked, %		-	-		-	-						
Mov Cap-1 Maneuver	1370	-	-	1554	-	-	294	429	1022	~ 121	528	1035
Mov Cap-2 Maneuver	-	-	-	-	-	-	294	429	-	~ 121	528	-
Stage 1	-	-	-	-	-	-	673	627	-	874	841	-
Stage 2	-	-	-	-	-	-	531	708	-	~ 214	619	-

Approach	EB	WB	NB	SB
HCM Control Delay, s	5.4	0.5	19.2	134.5
HCM LOS			C	F

Minor Lane/Major Mvmt	NBLn1	NBLn2	NBLn3	EBL	EBT	EBR	WBL	WBT	WBR	SBLn1	SBLn2	SBLn3
Capacity (veh/h)	294	429	464	1370	-	-	1554	-	-	121	528	787
HCM Lane V/C Ratio	0.116	0.424	0.45	0.084	-	-	0.009	-	-	2.186	0.122	0.249
HCM Control Delay (s)	18.8	19.4	19	7.9	0	-	7.3	0	-	$ 618.8	12.8	11.1
HCM Lane LOS	C	C	C	A	A	-	A	A	-	F	B	B
HCM 95th %tile Q(veh)	0.4	2.1	2.3	0.3	-	-	0	-	-	22.4	0.4	1

Notes			
~: Volume exceeds capacity	$: Delay exceeds 300s	+: Computation Not Defined	*: All major volume in platoon

Movement	WBL	WBR	NBT	NBR	SBL	SBT
Lane Configurations						
Traffic Volume (veh/h)	137	424	477	253	24	507
Future Volume (veh/h)	137	424	477	253	24	507
Number	3	18	2	12	1	6
Initial Q, veh	0	0	0	0	0	0
Ped-Bike Adj (A_pbT)	1.00	1.00		1.00	1.00	
Parking Bus Adj	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach	No		No			No
Lanes Open During Work Zone						
Adj Sat Flow, veh/h/ln	1600	1600	1870	1600	1600	1870
Adj Flow Rate, veh/h	151	466	524	278	29	618
Peak Hour Factor	0.91	0.91	0.91	0.91	0.82	0.82
Percent Heavy Veh, %	11	11	2	11	11	2
Opposing Right Turn Influence	Yes				Yes	
Cap, veh/h	335	596	2457	934	937	2457
HCM Platoon Ratio	1.00	1.00	2.00	2.00	1.00	1.00
Prop Arrive On Green	0.22	0.22	1.00	1.00	0.69	0.69
Unsig. Movement Delay						
Ln Grp Delay, s/veh	31.4	35.4	0.2	0.7	4.5	5.4
Ln Grp LOS	C	D	A	A	A	A
Approach Vol, veh/h	617		802			647
Approach Delay, s/veh	34.4		0.3			5.4
Approach LOS	C		A			A

Timer:	1	2	3	4	5	6	7	8
Assigned Phs		2	8			6		
Case No		7.0	9.0			6.0		
Phs Duration (G+Y+Rc), s		66.2	23.8			66.2		
Change Period (Y+Rc), s		6.0	4.6			6.0		
Max Green (Gmax), s		45.0	34.4			45.0		
Max Allow Headway (MAH), s		4.1	4.3			4.2		
Max Q Clear (g_c+I1), s		2.0	16.6			7.8		
Green Ext Time (g_e), s		3.6	2.6			3.1		
Prob of Phs Call (p_c)		1.00	1.00			1.00		
Prob of Max Out (p_x)		0.00	0.01			0.00		
Left-Turn Movement Data								
Assigned Mvmt		5	3			1		
Mvmt Sat Flow, veh/h		0	1524			1124		
Through Movement Data								
Assigned Mvmt		2	8			6		
Mvmt Sat Flow, veh/h		3647	0			3647		
Right-Turn Movement Data								
Assigned Mvmt		12	18			16		
Mvmt Sat Flow, veh/h		1351	2712			0		
Left Lane Group Data								
Assigned Mvmt	0	5	3	0	0	1	0	0
Lane Assignment			L			L		

Lanes in Grp	0	0	1	0	0	2	0	0
Grp Vol (v), veh/h	0	0	151	0	0	29	0	0
Grp Sat Flow (s), veh/h/ln	0	0	1524	0	0	562	0	0
Q Serve Time (g_s), s	0.0	0.0	7.7	0.0	0.0	0.7	0.0	0.0
Cycle Q Clear Time (g_c), s	0.0	0.0	7.7	0.0	0.0	0.7	0.0	0.0
Perm LT Sat Flow (s_l), veh/h/ln	0	0	1524	0	0	562	0	0
Shared LT Sat Flow (s_sh), veh/h/ln	0	0	0	0	0	0	0	0
Perm LT Eff Green (g_p), s	0.0	0.0	0.0	0.0	0.0	62.2	0.0	0.0
Perm LT Serve Time (g_u), s	0.0	0.0	0.0	0.0	0.0	62.2	0.0	0.0
Perm LT Q Serve Time (g_ps), s	0.0	0.0	0.0	0.0	0.0	0.7	0.0	0.0
Time to First Blk (g_f), s	0.0	62.2	0.0	0.0	0.0	0.0	0.0	0.0
Serve Time pre Blk (g_fs), s	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Prop LT Inside Lane (P_L)	0.00	0.00	1.00	0.00	0.00	1.00	0.00	0.00
Lane Grp Cap (c), veh/h	0	0	335	0	0	937	0	0
V/C Ratio (X)	0.00	0.00	0.45	0.00	0.00	0.03	0.00	0.00
Avail Cap (c_a), veh/h	0	0	593	0	0	937	0	0
Upstream Filter (I)	0.00	0.00	1.00	0.00	0.00	1.00	0.00	0.00
Uniform Delay (d1), s/veh	0.0	0.0	30.4	0.0	0.0	4.4	0.0	0.0
Incr Delay (d2), s/veh	0.0	0.0	0.9	0.0	0.0	0.1	0.0	0.0
Initial Q Delay (d3), s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Control Delay (d), s/veh	0.0	0.0	31.4	0.0	0.0	4.5	0.0	0.0
1st-Term Q (Q1), veh/ln	0.0	0.0	2.6	0.0	0.0	0.1	0.0	0.0
2nd-Term Q (Q2), veh/ln	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0
3rd-Term Q (Q3), veh/ln	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile Back of Q Factor (f_B%)	0.00	1.00	1.00	0.00	0.00	1.00	0.00	0.00
%ile Back of Q (50%), veh/ln	0.0	0.0	2.7	0.0	0.0	0.1	0.0	0.0
%ile Storage Ratio (RQ%)	0.00	0.00	0.07	0.00	0.00	0.01	0.00	0.00
Initial Q (Qb), veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Final (Residual) Q (Qe), veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sat Delay (ds), s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sat Q (Qs), veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sat Cap (cs), veh/h	0	0	0	0	0	0	0	0
Initial Q Clear Time (tc), h	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Middle Lane Group Data								
Assigned Mvmt	0	2	8	0	0	6	0	0
Lane Assignment		T				T		
Lanes in Grp	0	2	0	0	0	2	0	0
Grp Vol (v), veh/h	0	524	0	0	0	618	0	0
Grp Sat Flow (s), veh/h/ln	0	1777	0	0	0	1777	0	0
Q Serve Time (g_s), s	0.0	0.0	0.0	0.0	0.0	5.8	0.0	0.0
Cycle Q Clear Time (g_c), s	0.0	0.0	0.0	0.0	0.0	5.8	0.0	0.0
Lane Grp Cap (c), veh/h	0	2457	0	0	0	2457	0	0
V/C Ratio (X)	0.00	0.21	0.00	0.00	0.00	0.25	0.00	0.00
Avail Cap (c_a), veh/h	0	2457	0	0	0	2457	0	0
Upstream Filter (I)	0.00	0.80	0.00	0.00	0.00	1.00	0.00	0.00
Uniform Delay (d1), s/veh	0.0	0.0	0.0	0.0	0.0	5.2	0.0	0.0
Incr Delay (d2), s/veh	0.0	0.2	0.0	0.0	0.0	0.2	0.0	0.0
Initial Q Delay (d3), s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Control Delay (d), s/veh	0.0	0.2	0.0	0.0	0.0	5.4	0.0	0.0
1st-Term Q (Q1), veh/ln	0.0	0.0	0.0	0.0	0.0	1.4	0.0	0.0
2nd-Term Q (Q2), veh/ln	0.0	0.1	0.0	0.0	0.0	0.1	0.0	0.0

3rd-Term Q (Q3), veh/ln	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile Back of Q Factor (f_B%)	0.00	1.00	1.00	0.00	0.00	1.00	0.00	0.00
%ile Back of Q (50%), veh/ln	0.0	0.1	0.0	0.0	0.0	1.5	0.0	0.0
%ile Storage Ratio (RQ%)	0.00	0.00	0.00	0.00	0.00	0.04	0.00	0.00
Initial Q (Qb), veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Final (Residual) Q (Qe), veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sat Delay (ds), s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sat Q (Qs), veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sat Cap (cs), veh/h	0	0	0	0	0	0	0	0
Initial Q Clear Time (tc), h	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Right Lane Group Data								
Assigned Mvmt	0	12	18	0	0	16	0	0
Lane Assignment		R	R					
Lanes in Grp	0	1	2	0	0	0	0	0
Grp Vol (v), veh/h	0	278	466	0	0	0	0	0
Grp Sat Flow (s), veh/h/ln	0	1351	1356	0	0	0	0	0
Q Serve Time (g_s), s	0.0	0.0	14.6	0.0	0.0	0.0	0.0	0.0
Cycle Q Clear Time (g_c), s	0.0	0.0	14.6	0.0	0.0	0.0	0.0	0.0
Prot RT Sat Flow (s_R), veh/h/ln	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Prot RT Eff Green (g_R), s	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Prop RT Outside Lane (P_R)	0.00	1.00	1.00	0.00	0.00	0.00	0.00	0.00
Lane Grp Cap (c), veh/h	0	934	596	0	0	0	0	0
V/C Ratio (X)	0.00	0.30	0.78	0.00	0.00	0.00	0.00	0.00
Avail Cap (c_a), veh/h	0	934	1055	0	0	0	0	0
Upstream Filter (I)	0.00	0.80	1.00	0.00	0.00	0.00	0.00	0.00
Uniform Delay (d1), s/veh	0.0	0.0	33.1	0.0	0.0	0.0	0.0	0.0
Incr Delay (d2), s/veh	0.0	0.7	2.3	0.0	0.0	0.0	0.0	0.0
Initial Q Delay (d3), s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Control Delay (d), s/veh	0.0	0.7	35.4	0.0	0.0	0.0	0.0	0.0
1st-Term Q (Q1), veh/ln	0.0	0.0	4.4	0.0	0.0	0.0	0.0	0.0
2nd-Term Q (Q2), veh/ln	0.0	0.2	0.2	0.0	0.0	0.0	0.0	0.0
3rd-Term Q (Q3), veh/ln	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile Back of Q Factor (f_B%)	0.00	1.00	1.00	0.00	0.00	1.00	0.00	0.00
%ile Back of Q (50%), veh/ln	0.0	0.2	4.6	0.0	0.0	0.0	0.0	0.0
%ile Storage Ratio (RQ%)	0.00	0.04	0.41	0.00	0.00	0.00	0.00	0.00
Initial Q (Qb), veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Final (Residual) Q (Qe), veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sat Delay (ds), s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sat Q (Qs), veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sat Cap (cs), veh/h	0	0	0	0	0	0	0	0
Initial Q Clear Time (tc), h	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Intersection Summary	
HCM 6th Ctrl Delay	12.1
HCM 6th LOS	B

Notes

User approved volume balancing among the lanes for turning movement.

Movement	WBL	WBR	NBT	NBR	SBL	SBT
Lane Configurations						
Traffic Volume (veh/h)	235	118	628	198	378	342
Future Volume (veh/h)	235	118	628	198	378	342
Number	3	18	2	12	1	6
Initial Q, veh	0	0	0	0	0	0
Ped-Bike Adj (A_pbT)	1.00	1.00		0.99	1.00	
Parking Bus Adj	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach	No		No			No
Lanes Open During Work Zone						
Adj Sat Flow, veh/h/ln	1600	1600	1870	1600	1600	1870
Adj Flow Rate, veh/h	273	137	698	220	467	422
Peak Hour Factor	0.86	0.86	0.90	0.90	0.81	0.81
Percent Heavy Veh, %	11	11	2	11	11	2
Opposing Right Turn Influence	Yes				Yes	
Cap, veh/h	412	183	1494	567	474	2699
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.33	1.33
Prop Arrive On Green	0.14	0.14	0.42	0.42	0.41	1.00
Unsig. Movement Delay						
Ln Grp Delay, s/veh	38.8	45.4	19.9	20.1	61.9	0.1
Ln Grp LOS	D	D	B	C	E	A
Approach Vol, veh/h	410		918			889
Approach Delay, s/veh	41.0		19.9			32.6
Approach LOS	D		B			C

Timer:	1	2	3	4	5	6	7	8
Assigned Phs	1	2	8			6		
Case No	2.0	7.0	9.0			4.0		
Phs Duration (G+Y+Rc), s	32.0	41.8	16.2			73.8		
Change Period (Y+Rc), s	6.0	6.0	4.6			* 6		
Max Green (Gmax), s	26.0	31.4	16.0			* 65		
Max Allow Headway (MAH), s	4.1	4.1	4.2			4.0		
Max Q Clear (g_c+I1), s	29.3	14.7	10.7			2.0		
Green Ext Time (g_e), s	0.0	3.7	0.8			1.8		
Prob of Phs Call (p_c)	1.00	1.00	1.00			1.00		
Prob of Max Out (p_x)	1.00	0.05	0.61			0.00		

Left-Turn Movement Data								
Assigned Mvmt	1	5	3					
Mvmt Sat Flow, veh/h	1524	0	3047					

Through Movement Data								
Assigned Mvmt		2	8			6		
Mvmt Sat Flow, veh/h		3647	0			3647		

Right-Turn Movement Data								
Assigned Mvmt		12	18			16		
Mvmt Sat Flow, veh/h		1348	1356			0		

Left Lane Group Data								
Assigned Mvmt	1	5	3	0	0	0	0	0
Lane Assignment	L (Prot)		L					

Lanes in Grp	1	0	2	0	0	0	0	0
Grp Vol (v), veh/h	467	0	273	0	0	0	0	0
Grp Sat Flow (s), veh/h/ln	1524	0	1524	0	0	0	0	0
Q Serve Time (g_s), s	27.3	0.0	7.7	0.0	0.0	0.0	0.0	0.0
Cycle Q Clear Time (g_c), s	27.3	0.0	7.7	0.0	0.0	0.0	0.0	0.0
Perm LT Sat Flow (s_l), veh/h/ln	0	0	1524	0	0	0	0	0
Shared LT Sat Flow (s_sh), veh/h/ln	0	0	0	0	0	0	0	0
Perm LT Eff Green (g_p), s	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Perm LT Serve Time (g_u), s	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Perm LT Q Serve Time (g_ps), s	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Time to First Blk (g_f), s	0.0	37.8	0.0	0.0	0.0	0.0	0.0	0.0
Serve Time pre Blk (g_fs), s	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Prop LT Inside Lane (P_L)	1.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00
Lane Grp Cap (c), veh/h	474	0	412	0	0	0	0	0
V/C Ratio (X)	0.99	0.00	0.66	0.00	0.00	0.00	0.00	0.00
Avail Cap (c_a), veh/h	474	0	562	0	0	0	0	0
Upstream Filter (I)	0.92	0.00	1.00	0.00	0.00	0.00	0.00	0.00
Uniform Delay (d1), s/veh	26.2	0.0	37.0	0.0	0.0	0.0	0.0	0.0
Incr Delay (d2), s/veh	35.7	0.0	1.8	0.0	0.0	0.0	0.0	0.0
Initial Q Delay (d3), s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Control Delay (d), s/veh	61.9	0.0	38.8	0.0	0.0	0.0	0.0	0.0
1st-Term Q (Q1), veh/ln	7.3	0.0	2.6	0.0	0.0	0.0	0.0	0.0
2nd-Term Q (Q2), veh/ln	4.7	0.0	0.1	0.0	0.0	0.0	0.0	0.0
3rd-Term Q (Q3), veh/ln	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile Back of Q Factor (f_B%)	1.00	1.00	1.00	0.00	0.00	0.00	0.00	0.00
%ile Back of Q (50%), veh/ln	12.0	0.0	2.7	0.0	0.0	0.0	0.0	0.0
%ile Storage Ratio (RQ%)	0.82	0.00	0.08	0.00	0.00	0.00	0.00	0.00
Initial Q (Qb), veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Final (Residual) Q (Qe), veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sat Delay (ds), s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sat Q (Qs), veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sat Cap (cs), veh/h	0	0	0	0	0	0	0	0
Initial Q Clear Time (tc), h	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Middle Lane Group Data								
Assigned Mvmt	0	2	8	0	0	6	0	0
Lane Assignment		T				T		
Lanes in Grp	0	2	0	0	0	2	0	0
Grp Vol (v), veh/h	0	698	0	0	0	422	0	0
Grp Sat Flow (s), veh/h/ln	0	1777	0	0	0	1777	0	0
Q Serve Time (g_s), s	0.0	12.7	0.0	0.0	0.0	0.0	0.0	0.0
Cycle Q Clear Time (g_c), s	0.0	12.7	0.0	0.0	0.0	0.0	0.0	0.0
Lane Grp Cap (c), veh/h	0	1494	0	0	0	2699	0	0
V/C Ratio (X)	0.00	0.47	0.00	0.00	0.00	0.16	0.00	0.00
Avail Cap (c_a), veh/h	0	1494	0	0	0	2699	0	0
Upstream Filter (I)	0.00	1.00	0.00	0.00	0.00	0.92	0.00	0.00
Uniform Delay (d1), s/veh	0.0	18.8	0.0	0.0	0.0	0.0	0.0	0.0
Incr Delay (d2), s/veh	0.0	1.1	0.0	0.0	0.0	0.1	0.0	0.0
Initial Q Delay (d3), s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Control Delay (d), s/veh	0.0	19.9	0.0	0.0	0.0	0.1	0.0	0.0
1st-Term Q (Q1), veh/ln	0.0	4.6	0.0	0.0	0.0	0.0	0.0	0.0
2nd-Term Q (Q2), veh/ln	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0

3rd-Term Q (Q3), veh/ln	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile Back of Q Factor (f_B%)	0.00	1.00	1.00	0.00	0.00	1.00	0.00	0.00
%ile Back of Q (50%), veh/ln	0.0	4.8	0.0	0.0	0.0	0.0	0.0	0.0
%ile Storage Ratio (RQ%)	0.00	0.25	0.00	0.00	0.00	0.00	0.00	0.00
Initial Q (Qb), veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Final (Residual) Q (Qe), veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sat Delay (ds), s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sat Q (Qs), veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sat Cap (cs), veh/h	0	0	0	0	0	0	0	0
Initial Q Clear Time (tc), h	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Right Lane Group Data								
Assigned Mvmt	0	12	18	0	0	16	0	0
Lane Assignment		R	R					
Lanes in Grp	0	1	1	0	0	0	0	0
Grp Vol (v), veh/h	0	220	137	0	0	0	0	0
Grp Sat Flow (s), veh/h/ln	0	1348	1356	0	0	0	0	0
Q Serve Time (g_s), s	0.0	10.2	8.7	0.0	0.0	0.0	0.0	0.0
Cycle Q Clear Time (g_c), s	0.0	10.2	8.7	0.0	0.0	0.0	0.0	0.0
Prot RT Sat Flow (s_R), veh/h/ln	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Prot RT Eff Green (g_R), s	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Prop RT Outside Lane (P_R)	0.00	1.00	1.00	0.00	0.00	0.00	0.00	0.00
Lane Grp Cap (c), veh/h	0	567	183	0	0	0	0	0
V/C Ratio (X)	0.00	0.39	0.75	0.00	0.00	0.00	0.00	0.00
Avail Cap (c_a), veh/h	0	567	250	0	0	0	0	0
Upstream Filter (I)	0.00	1.00	1.00	0.00	0.00	0.00	0.00	0.00
Uniform Delay (d1), s/veh	0.0	18.1	37.4	0.0	0.0	0.0	0.0	0.0
Incr Delay (d2), s/veh	0.0	2.0	7.9	0.0	0.0	0.0	0.0	0.0
Initial Q Delay (d3), s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Control Delay (d), s/veh	0.0	20.1	45.4	0.0	0.0	0.0	0.0	0.0
1st-Term Q (Q1), veh/ln	0.0	2.8	2.7	0.0	0.0	0.0	0.0	0.0
2nd-Term Q (Q2), veh/ln	0.0	0.3	0.4	0.0	0.0	0.0	0.0	0.0
3rd-Term Q (Q3), veh/ln	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile Back of Q Factor (f_B%)	0.00	1.00	1.00	0.00	0.00	1.00	0.00	0.00
%ile Back of Q (50%), veh/ln	0.0	3.1	3.1	0.0	0.0	0.0	0.0	0.0
%ile Storage Ratio (RQ%)	0.00	0.46	0.28	0.00	0.00	0.00	0.00	0.00
Initial Q (Qb), veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Final (Residual) Q (Qe), veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sat Delay (ds), s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sat Q (Qs), veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sat Cap (cs), veh/h	0	0	0	0	0	0	0	0
Initial Q Clear Time (tc), h	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Intersection Summary	
HCM 6th Ctrl Delay	28.9
HCM 6th LOS	C

Notes

User approved volume balancing among the lanes for turning movement.

* HCM 6th Edition computational engine requires equal clearance times for the phases crossing the barrier.

Intersection	
Int Delay, s/veh	11.6

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Vol, veh/h	102	22	24	15	22	425	29	309	27	478	102	104
Future Vol, veh/h	102	22	24	15	22	425	29	309	27	478	102	104
Conflicting Peds, #/hr	0	0	0	0	0	0	5	0	5	5	0	5
Sign Control	Free	Free	Free	Free	Free	Free	Stop	Stop	Stop	Stop	Stop	Stop
RT Channelized	-	-	None	-	-	None	-	-	None	-	-	None
Storage Length	-	-	-	-	-	150	270	-	-	150	-	-
Veh in Median Storage, #	-	0	-	-	0	-	-	0	-	-	0	-
Grade, %	-	0	-	-	0	-	-	0	-	-	0	-
Peak Hour Factor	89	89	89	75	75	75	85	85	85	79	79	79
Heavy Vehicles, %	2	2	2	2	2	2	2	2	2	2	2	2
Mvmt Flow	115	25	27	20	29	567	34	364	32	605	129	132

Major/Minor	Major1			Major2			Minor1			Minor2		
Conflicting Flow All	596	0	0	52	0	0	757	905	44	541	351	34
Stage 1	-	-	-	-	-	-	269	269	-	69	69	-
Stage 2	-	-	-	-	-	-	488	636	-	472	282	-
Critical Hdwy	4.12	-	-	4.12	-	-	7.12	6.52	6.22	7.12	6.52	6.22
Critical Hdwy Stg 1	-	-	-	-	-	-	6.12	5.52	-	6.12	5.52	-
Critical Hdwy Stg 2	-	-	-	-	-	-	6.12	5.52	-	6.12	5.52	-
Follow-up Hdwy	2.218	-	-	2.218	-	-	3.518	4.018	3.318	3.518	4.018	3.318
Pot Cap-1 Maneuver	980	-	-	1554	-	-	324	~ 276	1026	~ 452	573	1039
Stage 1	-	-	-	-	-	-	737	687	-	941	837	-
Stage 2	-	-	-	-	-	-	561	472	-	~ 573	678	-
Platoon blocked, %		-	-		-	-						
Mov Cap-1 Maneuver	980	-	-	1554	-	-	202	~ 238	1022	-	493	1035
Mov Cap-2 Maneuver	-	-	-	-	-	-	202	~ 238	-	-	493	-
Stage 1	-	-	-	-	-	-	648	604	-	827	819	-
Stage 2	-	-	-	-	-	-	402	462	-	~ 193	596	-

Approach	EB	WB	NB	SB
HCM Control Delay, s	6.3	0.2	19.7	$ 567.5
HCM LOS			C	F

Minor Lane/Major Mvmt	NBLn1	NBLn2	NBLn3	EBL	EBT	EBR	WBL	WBT	WBR	SBLn1	SBLn2	SBLn3
Capacity (veh/h)	202	238	269	980	-	-	1554	-	-	-	493	760
HCM Lane V/C Ratio	0.169	0.764	0.794	0.117	-	-	0.013	-	-	-	0.131	0.258
HCM Control Delay (s)	26.4	56.5	55.3	9.2	0	-	7.3	0	-	-	13.4	11.4
HCM Lane LOS	D	F	F	A	A	-	A	A	-	-	B	B
HCM 95th %tile Q(veh)	0.6	5.5	6.1	0.4	-	-	0	-	-	-	0.4	1

Notes
~: Volume exceeds capacity $: Delay exceeds 300s +: Computation Not Defined *: All major volume in platoon

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	102	22	24	15	22	425	29	309	27	478	102	104
Future Volume (veh/h)	102	22	24	15	22	425	29	309	27	478	102	104
Number	7	4	14	3	8	18	5	2	12	1	6	16
Initial Q, veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj (A_pbT)	1.00		1.00	1.00		1.00	1.00		0.98	1.00		0.97
Parking Bus Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach		No			No			No			No	
Lanes Open During Work Zone												
Adj Sat Flow, veh/h/ln	1723	1870	1723	1723	1870	1723	1723	1870	1723	1723	1870	1723
Adj Flow Rate, veh/h	115	25	27	0	0	608	34	364	32	605	129	132
Peak Hour Factor	0.89	0.89	0.89	0.75	0.75	0.75	0.85	0.85	0.85	0.79	0.79	0.79
Percent Heavy Veh, %	2	2	2	2	2	2	2	2	2	2	2	2
Opposing Right Turn Influence	Yes			Yes			Yes			Yes		
Cap, veh/h	226	50	40	0	462	721	42	1306	114	714	1056	918
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Prop Arrive On Green	0.25	0.25	0.25	0.00	0.00	0.25	0.03	0.40	0.40	0.22	0.59	0.59
Unsig. Movement Delay												
Ln Grp Delay, s/veh	31.5	0.0	0.0	0.0	0.0	36.7	73.7	19.5	19.5	38.7	8.2	8.4
Ln Grp LOS	C	A	A	A	A	D	E	B	B	D	A	A
Approach Vol, veh/h		167			608			430			866	
Approach Delay, s/veh		31.5			36.7			23.7			29.5	
Approach LOS		C			D			C			C	

Timer:	1	2	3	4	5	6	7	8
Assigned Phs	1	2		4	5	6		8
Case No	2.0	4.0		8.0	2.0	4.0		7.0
Phs Duration (G+Y+Rc), s	24.2	39.6		26.2	6.3	57.5		26.2
Change Period (Y+Rc), s	4.0	4.0		4.0	4.0	4.0		4.0
Max Green (Gmax), s	27.0	19.0		32.0	6.0	40.0		32.0
Max Allow Headway (MAH), s	4.1	4.0		5.3	4.1	4.2		4.3
Max Q Clear (g_c+I1), s	18.4	8.8		15.1	3.9	5.4		19.8
Green Ext Time (g_e), s	1.8	1.0		0.8	0.0	1.0		2.4
Prob of Phs Call (p_c)	1.00	1.00		1.00	0.57	1.00		1.00
Prob of Max Out (p_x)	0.19	0.00		0.00	1.00	0.00		0.08

Left-Turn Movement Data								
Assigned Mvmt	1			7	5			3
Mvmt Sat Flow, veh/h	3183			642	1641			0

Through Movement Data								
Assigned Mvmt		2		4		6		8
Mvmt Sat Flow, veh/h		3301		202		1777		1870

Right-Turn Movement Data								
Assigned Mvmt		12		14		16		18
Mvmt Sat Flow, veh/h		288		163		1545		2920

Left Lane Group Data								
Assigned Mvmt	1	0	0	7	5	0	0	3
Lane Assignment	L (Prot)			L+T+RL (Prot)				

Lanes in Grp	2	0	0	1	1	0	0	0
Grp Vol (v), veh/h	605	0	0	167	34	0	0	0
Grp Sat Flow (s), veh/h/ln	1591	0	0	1006	1641	0	0	0
Q Serve Time (g_s), s	16.4	0.0	0.0	12.2	1.9	0.0	0.0	0.0
Cycle Q Clear Time (g_c), s	16.4	0.0	0.0	13.1	1.9	0.0	0.0	0.0
Perm LT Sat Flow (s_l), veh/h/ln	0	0	0	826	0	0	0	0
Shared LT Sat Flow (s_sh), veh/h/ln	0	0	0	0	0	0	0	0
Perm LT Eff Green (g_p), s	0.0	0.0	0.0	22.2	0.0	0.0	0.0	0.0
Perm LT Serve Time (g_u), s	0.0	0.0	0.0	22.2	0.0	0.0	0.0	0.0
Perm LT Q Serve Time (g_ps), s	0.0	0.0	0.0	12.2	0.0	0.0	0.0	0.0
Time to First Blk (g_f), s	0.0	0.0	0.0	0.9	0.0	0.0	0.0	22.2
Serve Time pre Blk (g_fs), s	0.0	0.0	0.0	0.9	0.0	0.0	0.0	0.0
Prop LT Inside Lane (P_L)	1.00	0.00	0.00	0.69	1.00	0.00	0.00	0.00
Lane Grp Cap (c), veh/h	714	0	0	316	42	0	0	0
V/C Ratio (X)	0.85	0.00	0.00	0.53	0.81	0.00	0.00	0.00
Avail Cap (c_a), veh/h	955	0	0	421	109	0	0	0
Upstream Filter (I)	0.95	0.00	0.00	1.00	1.00	0.00	0.00	0.00
Uniform Delay (d1), s/veh	33.4	0.0	0.0	30.2	43.6	0.0	0.0	0.0
Incr Delay (d2), s/veh	5.3	0.0	0.0	1.4	30.0	0.0	0.0	0.0
Initial Q Delay (d3), s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Control Delay (d), s/veh	38.7	0.0	0.0	31.5	73.7	0.0	0.0	0.0
1st-Term Q (Q1), veh/ln	5.8	0.0	0.0	2.9	0.7	0.0	0.0	0.0
2nd-Term Q (Q2), veh/ln	0.5	0.0	0.0	0.1	0.3	0.0	0.0	0.0
3rd-Term Q (Q3), veh/ln	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile Back of Q Factor (f_B%)	1.00	0.00	0.00	1.00	1.00	0.00	0.00	1.00
%ile Back of Q (50%), veh/ln	6.3	0.0	0.0	3.1	1.1	0.0	0.0	0.0
%ile Storage Ratio (RQ%)	1.06	0.00	0.00	0.14	0.10	0.00	0.00	0.00
Initial Q (Qb), veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Final (Residual) Q (Qe), veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sat Delay (ds), s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sat Q (Qs), veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sat Cap (cs), veh/h	0	0	0	0	0	0	0	0
Initial Q Clear Time (tc), h	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Middle Lane Group Data								
Assigned Mvmt	0	2	0	4	0	6	0	8
Lane Assignment		T				T		T
Lanes in Grp	0	1	0	0	0	1	0	1
Grp Vol (v), veh/h	0	195	0	0	0	129	0	0
Grp Sat Flow (s), veh/h/ln	0	1777	0	0	0	1777	0	1870
Q Serve Time (g_s), s	0.0	6.7	0.0	0.0	0.0	2.9	0.0	0.0
Cycle Q Clear Time (g_c), s	0.0	6.7	0.0	0.0	0.0	2.9	0.0	0.0
Lane Grp Cap (c), veh/h	0	703	0	0	0	1056	0	462
V/C Ratio (X)	0.00	0.28	0.00	0.00	0.00	0.12	0.00	0.00
Avail Cap (c_a), veh/h	0	703	0	0	0	1056	0	665
Upstream Filter (I)	0.00	1.00	0.00	0.00	0.00	0.95	0.00	0.00
Uniform Delay (d1), s/veh	0.0	18.5	0.0	0.0	0.0	8.0	0.0	0.0
Incr Delay (d2), s/veh	0.0	1.0	0.0	0.0	0.0	0.2	0.0	0.0
Initial Q Delay (d3), s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Control Delay (d), s/veh	0.0	19.5	0.0	0.0	0.0	8.2	0.0	0.0
1st-Term Q (Q1), veh/ln	0.0	2.4	0.0	0.0	0.0	0.9	0.0	0.0
2nd-Term Q (Q2), veh/ln	0.0	0.2	0.0	0.0	0.0	0.1	0.0	0.0

3rd-Term Q (Q3), veh/ln	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile Back of Q Factor (f_B%)	0.00	1.00	0.00	1.00	0.00	1.00	0.00	1.00
%ile Back of Q (50%), veh/ln	0.0	2.6	0.0	0.0	0.0	0.9	0.0	0.0
%ile Storage Ratio (RQ%)	0.00	0.03	0.00	0.00	0.00	0.05	0.00	0.00
Initial Q (Qb), veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Final (Residual) Q (Qe), veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sat Delay (ds), s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sat Q (Qs), veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sat Cap (cs), veh/h	0	0	0	0	0	0	0	0
Initial Q Clear Time (tc), h	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Right Lane Group Data								
Assigned Mvmt	0	12	0	14	0	16	0	18
Lane Assignment		T+R				T+R		R
Lanes in Grp	0	1	0	0	0	1	0	2
Grp Vol (v), veh/h	0	201	0	0	0	132	0	608
Grp Sat Flow (s), veh/h/ln	0	1813	0	0	0	1545	0	1460
Q Serve Time (g_s), s	0.0	6.8	0.0	0.0	0.0	3.4	0.0	17.8
Cycle Q Clear Time (g_c), s	0.0	6.8	0.0	0.0	0.0	3.4	0.0	17.8
Prot RT Sat Flow (s_R), veh/h/ln	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Prot RT Eff Green (g_R), s	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Prop RT Outside Lane (P_R)	0.00	0.16	0.00	0.16	0.00	1.00	0.00	1.00
Lane Grp Cap (c), veh/h	0	717	0	0	0	918	0	721
V/C Ratio (X)	0.00	0.28	0.00	0.00	0.00	0.14	0.00	0.84
Avail Cap (c_a), veh/h	0	717	0	0	0	918	0	1038
Upstream Filter (I)	0.00	1.00	0.00	0.00	0.00	0.95	0.00	1.00
Uniform Delay (d1), s/veh	0.0	18.5	0.0	0.0	0.0	8.1	0.0	32.2
Incr Delay (d2), s/veh	0.0	1.0	0.0	0.0	0.0	0.3	0.0	4.4
Initial Q Delay (d3), s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Control Delay (d), s/veh	0.0	19.5	0.0	0.0	0.0	8.4	0.0	36.7
1st-Term Q (Q1), veh/ln	0.0	2.5	0.0	0.0	0.0	0.9	0.0	5.7
2nd-Term Q (Q2), veh/ln	0.0	0.2	0.0	0.0	0.0	0.1	0.0	0.4
3rd-Term Q (Q3), veh/ln	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile Back of Q Factor (f_B%)	0.00	1.00	0.00	1.00	0.00	1.00	0.00	1.00
%ile Back of Q (50%), veh/ln	0.0	2.7	0.0	0.0	0.0	1.0	0.0	6.1
%ile Storage Ratio (RQ%)	0.00	0.03	0.00	0.00	0.00	0.05	0.00	1.04
Initial Q (Qb), veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Final (Residual) Q (Qe), veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sat Delay (ds), s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sat Q (Qs), veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sat Cap (cs), veh/h	0	0	0	0	0	0	0	0
Initial Q Clear Time (tc), h	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Intersection Summary	
HCM 6th Ctrl Delay	30.6
HCM 6th LOS	C

Notes

User approved volume balancing among the lanes for turning movement.

Movement	WBL	WBR	NBT	NBR	SBL	SBT
Lane Configurations						
Traffic Volume (veh/h)	41	136	149	68	74	374
Future Volume (veh/h)	41	136	149	68	74	374
Number	3	18	2	12	1	6
Initial Q, veh	0	0	0	0	0	0
Ped-Bike Adj (A_pbT)	1.00	1.00		1.00	1.00	
Parking Bus Adj	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach	No		No			No
Lanes Open During Work Zone						
Adj Sat Flow, veh/h/ln	1600	1600	1870	1600	1600	1870
Adj Flow Rate, veh/h	61	203	201	92	86	435
Peak Hour Factor	0.67	0.67	0.74	0.74	0.86	0.86
Percent Heavy Veh, %	11	11	2	11	11	2
Opposing Right Turn Influence	Yes				Yes	
Cap, veh/h	172	307	2836	1079	1595	2836
HCM Platoon Ratio	1.00	1.00	2.00	2.00	1.00	1.00
Prop Arrive On Green	0.11	0.11	1.00	1.00	0.80	0.80
Unsig. Movement Delay						
Ln Grp Delay, s/veh	38.1	40.7	0.0	0.2	2.0	2.2
Ln Grp LOS	D	D	A	A	A	A
Approach Vol, veh/h	264		293			521
Approach Delay, s/veh	40.1		0.1			2.2
Approach LOS	D		A			A

Timer:	1	2	3	4	5	6	7	8
Assigned Phs		2	8			6		
Case No		7.0	9.0			6.0		
Phs Duration (G+Y+Rc), s		75.8	14.2			75.8		
Change Period (Y+Rc), s		6.0	4.6			6.0		
Max Green (Gmax), s		42.0	37.4			42.0		
Max Allow Headway (MAH), s		4.1	4.3			4.2		
Max Q Clear (g_c+I1), s		2.0	8.5			4.5		
Green Ext Time (g_e), s		1.2	1.1			2.5		
Prob of Phs Call (p_c)		1.00	1.00			1.00		
Prob of Max Out (p_x)		0.00	0.00			0.00		
Left-Turn Movement Data								
Assigned Mvmt		5	3			1		
Mvmt Sat Flow, veh/h		0	1524			1799		
Through Movement Data								
Assigned Mvmt		2	8			6		
Mvmt Sat Flow, veh/h		3647	0			3647		
Right-Turn Movement Data								
Assigned Mvmt		12	18			16		
Mvmt Sat Flow, veh/h		1352	2712			0		
Left Lane Group Data								
Assigned Mvmt	0	5	3	0	0	1	0	0
Lane Assignment			L			L		

Lanes in Grp	0	0	1	0	0	2	0	0
Grp Vol (v), veh/h	0	0	61	0	0	86	0	0
Grp Sat Flow (s), veh/h/ln	0	0	1524	0	0	899	0	0
Q Serve Time (g_s), s	0.0	0.0	3.3	0.0	0.0	0.9	0.0	0.0
Cycle Q Clear Time (g_c), s	0.0	0.0	3.3	0.0	0.0	0.9	0.0	0.0
Perm LT Sat Flow (s_l), veh/h/ln	0	0	1524	0	0	899	0	0
Shared LT Sat Flow (s_sh), veh/h/ln	0	0	0	0	0	0	0	0
Perm LT Eff Green (g_p), s	0.0	0.0	0.0	0.0	0.0	71.8	0.0	0.0
Perm LT Serve Time (g_u), s	0.0	0.0	0.0	0.0	0.0	71.8	0.0	0.0
Perm LT Q Serve Time (g_ps), s	0.0	0.0	0.0	0.0	0.0	0.9	0.0	0.0
Time to First Blk (g_f), s	0.0	71.8	0.0	0.0	0.0	0.0	0.0	0.0
Serve Time pre Blk (g_fs), s	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Prop LT Inside Lane (P_L)	0.00	0.00	1.00	0.00	0.00	1.00	0.00	0.00
Lane Grp Cap (c), veh/h	0	0	172	0	0	1595	0	0
V/C Ratio (X)	0.00	0.00	0.35	0.00	0.00	0.05	0.00	0.00
Avail Cap (c_a), veh/h	0	0	643	0	0	1595	0	0
Upstream Filter (I)	0.00	0.00	1.00	0.00	0.00	1.00	0.00	0.00
Uniform Delay (d1), s/veh	0.0	0.0	36.9	0.0	0.0	1.9	0.0	0.0
Incr Delay (d2), s/veh	0.0	0.0	1.2	0.0	0.0	0.1	0.0	0.0
Initial Q Delay (d3), s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Control Delay (d), s/veh	0.0	0.0	38.1	0.0	0.0	2.0	0.0	0.0
1st-Term Q (Q1), veh/ln	0.0	0.0	1.2	0.0	0.0	0.0	0.0	0.0
2nd-Term Q (Q2), veh/ln	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0
3rd-Term Q (Q3), veh/ln	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile Back of Q Factor (f_B%)	0.00	1.00	1.00	0.00	0.00	1.00	0.00	0.00
%ile Back of Q (50%), veh/ln	0.0	0.0	1.2	0.0	0.0	0.1	0.0	0.0
%ile Storage Ratio (RQ%)	0.00	0.00	0.03	0.00	0.00	0.01	0.00	0.00
Initial Q (Qb), veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Final (Residual) Q (Qe), veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sat Delay (ds), s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sat Q (Qs), veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sat Cap (cs), veh/h	0	0	0	0	0	0	0	0
Initial Q Clear Time (tc), h	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Middle Lane Group Data								
Assigned Mvmt	0	2	8	0	0	6	0	0
Lane Assignment		T				T		
Lanes in Grp	0	2	0	0	0	2	0	0
Grp Vol (v), veh/h	0	201	0	0	0	435	0	0
Grp Sat Flow (s), veh/h/ln	0	1777	0	0	0	1777	0	0
Q Serve Time (g_s), s	0.0	0.0	0.0	0.0	0.0	2.5	0.0	0.0
Cycle Q Clear Time (g_c), s	0.0	0.0	0.0	0.0	0.0	2.5	0.0	0.0
Lane Grp Cap (c), veh/h	0	2836	0	0	0	2836	0	0
V/C Ratio (X)	0.00	0.07	0.00	0.00	0.00	0.15	0.00	0.00
Avail Cap (c_a), veh/h	0	2836	0	0	0	2836	0	0
Upstream Filter (I)	0.00	1.00	0.00	0.00	0.00	1.00	0.00	0.00
Uniform Delay (d1), s/veh	0.0	0.0	0.0	0.0	0.0	2.1	0.0	0.0
Incr Delay (d2), s/veh	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0
Initial Q Delay (d3), s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Control Delay (d), s/veh	0.0	0.0	0.0	0.0	0.0	2.2	0.0	0.0
1st-Term Q (Q1), veh/ln	0.0	0.0	0.0	0.0	0.0	0.3	0.0	0.0
2nd-Term Q (Q2), veh/ln	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

3rd-Term Q (Q3), veh/ln	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile Back of Q Factor (f_B%)	0.00	1.00	1.00	0.00	0.00	1.00	0.00	0.00
%ile Back of Q (50%), veh/ln	0.0	0.0	0.0	0.0	0.0	0.3	0.0	0.0
%ile Storage Ratio (RQ%)	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00
Initial Q (Qb), veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Final (Residual) Q (Qe), veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sat Delay (ds), s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sat Q (Qs), veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sat Cap (cs), veh/h	0	0	0	0	0	0	0	0
Initial Q Clear Time (tc), h	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Right Lane Group Data								
Assigned Mvmt	0	12	18	0	0	16	0	0
Lane Assignment		R	R					
Lanes in Grp	0	1	2	0	0	0	0	0
Grp Vol (v), veh/h	0	92	203	0	0	0	0	0
Grp Sat Flow (s), veh/h/ln	0	1352	1356	0	0	0	0	0
Q Serve Time (g_s), s	0.0	0.0	6.5	0.0	0.0	0.0	0.0	0.0
Cycle Q Clear Time (g_c), s	0.0	0.0	6.5	0.0	0.0	0.0	0.0	0.0
Prot RT Sat Flow (s_R), veh/h/ln	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Prot RT Eff Green (g_R), s	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Prop RT Outside Lane (P_R)	0.00	1.00	1.00	0.00	0.00	0.00	0.00	0.00
Lane Grp Cap (c), veh/h	0	1079	307	0	0	0	0	0
V/C Ratio (X)	0.00	0.09	0.66	0.00	0.00	0.00	0.00	0.00
Avail Cap (c_a), veh/h	0	1079	1145	0	0	0	0	0
Upstream Filter (I)	0.00	1.00	1.00	0.00	0.00	0.00	0.00	0.00
Uniform Delay (d1), s/veh	0.0	0.0	38.3	0.0	0.0	0.0	0.0	0.0
Incr Delay (d2), s/veh	0.0	0.2	2.4	0.0	0.0	0.0	0.0	0.0
Initial Q Delay (d3), s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Control Delay (d), s/veh	0.0	0.2	40.7	0.0	0.0	0.0	0.0	0.0
1st-Term Q (Q1), veh/ln	0.0	0.0	2.0	0.0	0.0	0.0	0.0	0.0
2nd-Term Q (Q2), veh/ln	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0
3rd-Term Q (Q3), veh/ln	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile Back of Q Factor (f_B%)	0.00	1.00	1.00	0.00	0.00	1.00	0.00	0.00
%ile Back of Q (50%), veh/ln	0.0	0.0	2.1	0.0	0.0	0.0	0.0	0.0
%ile Storage Ratio (RQ%)	0.00	0.01	0.19	0.00	0.00	0.00	0.00	0.00
Initial Q (Qb), veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Final (Residual) Q (Qe), veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sat Delay (ds), s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sat Q (Qs), veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sat Cap (cs), veh/h	0	0	0	0	0	0	0	0
Initial Q Clear Time (tc), h	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Intersection Summary	
HCM 6th Ctrl Delay	10.9
HCM 6th LOS	B

Notes

User approved volume balancing among the lanes for turning movement.

Movement	WBL	WBR	NBT	NBR	SBL	SBT
Lane Configurations						
Traffic Volume (veh/h)	28	21	193	28	227	181
Future Volume (veh/h)	28	21	193	28	227	181
Number	3	18	2	12	1	6
Initial Q, veh	0	0	0	0	0	0
Ped-Bike Adj (A_pbT)	1.00	1.00		1.00	1.00	
Parking Bus Adj	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach	No		No			No
Lanes Open During Work Zone						
Adj Sat Flow, veh/h/ln	1600	1600	1870	1600	1600	1870
Adj Flow Rate, veh/h	58	29	238	35	284	226
Peak Hour Factor	0.56	0.56	0.81	0.81	0.80	0.80
Percent Heavy Veh, %	11	11	2	11	11	2
Opposing Right Turn Influence	Yes				Yes	
Cap, veh/h	142	63	2126	808	338	3013
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.67	1.67
Prop Arrive On Green	0.05	0.05	0.60	0.60	0.37	1.00
Unsig. Movement Delay						
Ln Grp Delay, s/veh	43.6	46.9	7.9	7.6	35.9	0.0
Ln Grp LOS	D	D	A	A	D	A
Approach Vol, veh/h	87		273			510
Approach Delay, s/veh	44.7		7.9			20.0
Approach LOS	D		A			C

Timer:	1	2	3	4	5	6	7	8
Assigned Phs	1	2	8			6		
Case No	2.0	7.0	9.0			4.0		
Phs Duration (G+Y+Rc), s	24.0	57.8	8.2			81.8		
Change Period (Y+Rc), s	6.0	6.0	4.6			* 6		
Max Green (Gmax), s	26.0	31.4	16.0			* 65		
Max Allow Headway (MAH), s	4.1	4.0	4.2			4.0		
Max Q Clear (g_c+I1), s	17.3	4.6	3.9			2.0		
Green Ext Time (g_e), s	0.7	1.0	0.2			0.9		
Prob of Phs Call (p_c)	1.00	1.00	0.89			1.00		
Prob of Max Out (p_x)	0.07	0.00	0.00			0.00		

Left-Turn Movement Data			
Assigned Mvmt	1	5	3
Mvmt Sat Flow, veh/h	1524	0	3047

Through Movement Data			
Assigned Mvmt		2	8
Mvmt Sat Flow, veh/h		3647	0

Right-Turn Movement Data			
Assigned Mvmt		12	18
Mvmt Sat Flow, veh/h		1350	1356

Left Lane Group Data								
Assigned Mvmt	1	5	3	0	0	0	0	0
Lane Assignment	L (Prot)		L					

Lanes in Grp	1	0	2	0	0	0	0	0
Grp Vol (v), veh/h	284	0	58	0	0	0	0	0
Grp Sat Flow (s), veh/h/ln	1524	0	1524	0	0	0	0	0
Q Serve Time (g_s), s	15.3	0.0	1.7	0.0	0.0	0.0	0.0	0.0
Cycle Q Clear Time (g_c), s	15.3	0.0	1.7	0.0	0.0	0.0	0.0	0.0
Perm LT Sat Flow (s_l), veh/h/ln	0	0	1524	0	0	0	0	0
Shared LT Sat Flow (s_sh), veh/h/ln	0	0	0	0	0	0	0	0
Perm LT Eff Green (g_p), s	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Perm LT Serve Time (g_u), s	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Perm LT Q Serve Time (g_ps), s	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Time to First Blk (g_f), s	0.0	53.8	0.0	0.0	0.0	0.0	0.0	0.0
Serve Time pre Blk (g_fs), s	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Prop LT Inside Lane (P_L)	1.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00
Lane Grp Cap (c), veh/h	338	0	142	0	0	0	0	0
V/C Ratio (X)	0.84	0.00	0.41	0.00	0.00	0.00	0.00	0.00
Avail Cap (c_a), veh/h	474	0	562	0	0	0	0	0
Upstream Filter (I)	0.98	0.00	1.00	0.00	0.00	0.00	0.00	0.00
Uniform Delay (d1), s/veh	26.9	0.0	41.7	0.0	0.0	0.0	0.0	0.0
Incr Delay (d2), s/veh	9.0	0.0	1.9	0.0	0.0	0.0	0.0	0.0
Initial Q Delay (d3), s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Control Delay (d), s/veh	35.9	0.0	43.6	0.0	0.0	0.0	0.0	0.0
1st-Term Q (Q1), veh/ln	4.2	0.0	0.6	0.0	0.0	0.0	0.0	0.0
2nd-Term Q (Q2), veh/ln	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3rd-Term Q (Q3), veh/ln	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile Back of Q Factor (f_B%)	1.00	1.00	1.00	0.00	0.00	0.00	0.00	0.00
%ile Back of Q (50%), veh/ln	5.0	0.0	0.6	0.0	0.0	0.0	0.0	0.0
%ile Storage Ratio (RQ%)	0.34	0.00	0.02	0.00	0.00	0.00	0.00	0.00
Initial Q (Qb), veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Final (Residual) Q (Qe), veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sat Delay (ds), s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sat Q (Qs), veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sat Cap (cs), veh/h	0	0	0	0	0	0	0	0
Initial Q Clear Time (tc), h	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Middle Lane Group Data								
Assigned Mvmt	0	2	8	0	0	6	0	0
Lane Assignment		T				T		
Lanes in Grp	0	2	0	0	0	2	0	0
Grp Vol (v), veh/h	0	238	0	0	0	226	0	0
Grp Sat Flow (s), veh/h/ln	0	1777	0	0	0	1777	0	0
Q Serve Time (g_s), s	0.0	2.6	0.0	0.0	0.0	0.0	0.0	0.0
Cycle Q Clear Time (g_c), s	0.0	2.6	0.0	0.0	0.0	0.0	0.0	0.0
Lane Grp Cap (c), veh/h	0	2126	0	0	0	3013	0	0
V/C Ratio (X)	0.00	0.11	0.00	0.00	0.00	0.08	0.00	0.00
Avail Cap (c_a), veh/h	0	2126	0	0	0	3013	0	0
Upstream Filter (I)	0.00	1.00	0.00	0.00	0.00	0.98	0.00	0.00
Uniform Delay (d1), s/veh	0.0	7.8	0.0	0.0	0.0	0.0	0.0	0.0
Incr Delay (d2), s/veh	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0
Initial Q Delay (d3), s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Control Delay (d), s/veh	0.0	7.9	0.0	0.0	0.0	0.0	0.0	0.0
1st-Term Q (Q1), veh/ln	0.0	0.8	0.0	0.0	0.0	0.0	0.0	0.0
2nd-Term Q (Q2), veh/ln	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

3rd-Term Q (Q3), veh/ln	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile Back of Q Factor (f_B%)	0.00	1.00	1.00	0.00	0.00	1.00	0.00	0.00
%ile Back of Q (50%), veh/ln	0.0	0.8	0.0	0.0	0.0	0.0	0.0	0.0
%ile Storage Ratio (RQ%)	0.00	0.04	0.00	0.00	0.00	0.00	0.00	0.00
Initial Q (Qb), veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Final (Residual) Q (Qe), veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sat Delay (ds), s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sat Q (Qs), veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sat Cap (cs), veh/h	0	0	0	0	0	0	0	0
Initial Q Clear Time (tc), h	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Right Lane Group Data								
Assigned Mvmt	0	12	18	0	0	16	0	0
Lane Assignment		R	R					
Lanes in Grp	0	1	1	0	0	0	0	0
Grp Vol (v), veh/h	0	35	29	0	0	0	0	0
Grp Sat Flow (s), veh/h/ln	0	1350	1356	0	0	0	0	0
Q Serve Time (g_s), s	0.0	1.0	1.9	0.0	0.0	0.0	0.0	0.0
Cycle Q Clear Time (g_c), s	0.0	1.0	1.9	0.0	0.0	0.0	0.0	0.0
Prot RT Sat Flow (s_R), veh/h/ln	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Prot RT Eff Green (g_R), s	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Prop RT Outside Lane (P_R)	0.00	1.00	1.00	0.00	0.00	0.00	0.00	0.00
Lane Grp Cap (c), veh/h	0	808	63	0	0	0	0	0
V/C Ratio (X)	0.00	0.04	0.46	0.00	0.00	0.00	0.00	0.00
Avail Cap (c_a), veh/h	0	808	250	0	0	0	0	0
Upstream Filter (I)	0.00	1.00	1.00	0.00	0.00	0.00	0.00	0.00
Uniform Delay (d1), s/veh	0.0	7.5	41.8	0.0	0.0	0.0	0.0	0.0
Incr Delay (d2), s/veh	0.0	0.1	5.1	0.0	0.0	0.0	0.0	0.0
Initial Q Delay (d3), s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Control Delay (d), s/veh	0.0	7.6	46.9	0.0	0.0	0.0	0.0	0.0
1st-Term Q (Q1), veh/ln	0.0	0.2	0.6	0.0	0.0	0.0	0.0	0.0
2nd-Term Q (Q2), veh/ln	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0
3rd-Term Q (Q3), veh/ln	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile Back of Q Factor (f_B%)	0.00	1.00	1.00	0.00	0.00	1.00	0.00	0.00
%ile Back of Q (50%), veh/ln	0.0	0.2	0.7	0.0	0.0	0.0	0.0	0.0
%ile Storage Ratio (RQ%)	0.00	0.04	0.06	0.00	0.00	0.00	0.00	0.00
Initial Q (Qb), veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Final (Residual) Q (Qe), veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sat Delay (ds), s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sat Q (Qs), veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sat Cap (cs), veh/h	0	0	0	0	0	0	0	0
Initial Q Clear Time (tc), h	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Intersection Summary	
HCM 6th Ctrl Delay	18.7
HCM 6th LOS	B

Notes

User approved volume balancing among the lanes for turning movement.
* HCM 6th Edition computational engine requires equal clearance times for the phases crossing the barrier.

Intersection	
Int Delay, s/veh	7.4

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Vol, veh/h	28	8	5	12	9	127	5	58	3	55	123	36
Future Vol, veh/h	28	8	5	12	9	127	5	58	3	55	123	36
Conflicting Peds, #/hr	0	0	0	0	0	0	5	0	5	5	0	5
Sign Control	Free	Free	Free	Free	Free	Free	Stop	Stop	Stop	Stop	Stop	Stop
RT Channelized	-	-	None	-	-	None	-	-	None	-	-	None
Storage Length	-	-	-	-	-	150	270	-	-	150	-	-
Veh in Median Storage, #	-	0	-	-	0	-	-	0	-	-	0	-
Grade, %	-	0	-	-	0	-	-	0	-	-	0	-
Peak Hour Factor	60	60	60	84	84	84	80	80	80	71	71	71
Heavy Vehicles, %	2	2	2	2	2	2	2	2	2	2	2	2
Mvmt Flow	47	13	8	14	11	151	6	73	4	77	173	51

Major/Minor	Major1			Major2			Minor1			Minor2		
Conflicting Flow All	162	0	0	21	0	0	343	301	22	194	154	16
Stage 1	-	-	-	-	-	-	111	111	-	39	39	-
Stage 2	-	-	-	-	-	-	232	190	-	155	115	-
Critical Hdwy	4.12	-	-	4.12	-	-	7.12	6.52	6.22	7.12	6.52	6.22
Critical Hdwy Stg 1	-	-	-	-	-	-	6.12	5.52	-	6.12	5.52	-
Critical Hdwy Stg 2	-	-	-	-	-	-	6.12	5.52	-	6.12	5.52	-
Follow-up Hdwy	2.218	-	-	2.218	-	-	3.518	4.018	3.318	3.518	4.018	3.318
Pot Cap-1 Maneuver	1417	-	-	1595	-	-	611	612	1055	765	738	1063
Stage 1	-	-	-	-	-	-	894	804	-	976	862	-
Stage 2	-	-	-	-	-	-	771	743	-	847	800	-
Platoon blocked, %		-	-		-	-						
Mov Cap-1 Maneuver	1417	-	-	1595	-	-	455	585	1051	665	706	1059
Mov Cap-2 Maneuver	-	-	-	-	-	-	455	585	-	665	706	-
Stage 1	-	-	-	-	-	-	864	777	-	943	853	-
Stage 2	-	-	-	-	-	-	577	736	-	736	773	-

Approach	EB	WB	NB	SB
HCM Control Delay, s	5.2	0.6	11.6	10.7
HCM LOS			B	B

Minor Lane/Major Mvmt	NBLn1	NBLn2	NBLn3	EBL	EBT	EBR	WBL	WBT	WBR	SBLn1	SBLn2	SBLn3
Capacity (veh/h)	455	585	610	1417	-	-	1595	-	-	665	706	805
HCM Lane V/C Ratio	0.014	0.062	0.066	0.033	-	-	0.009	-	-	0.116	0.123	0.171
HCM Control Delay (s)	13	11.6	11.3	7.6	0	-	7.3	0	-	11.1	10.8	10.4
HCM Lane LOS	B	B	B	A	A	-	A	A	-	B	B	B
HCM 95th %tile Q(veh)	0	0.2	0.2	0.1	-	-	0	-	-	0.4	0.4	0.6

Movement	WBL	WBR	NBT	NBR	SBL	SBT
Lane Configurations						
Traffic Volume (veh/h)	146	136	180	255	74	410
Future Volume (veh/h)	146	136	180	255	74	410
Number	3	18	2	12	1	6
Initial Q, veh	0	0	0	0	0	0
Ped-Bike Adj (A_pbT)	1.00	1.00		1.00	1.00	
Parking Bus Adj	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach	No		No			No
Lanes Open During Work Zone						
Adj Sat Flow, veh/h/ln	1600	1600	1870	1600	1600	1870
Adj Flow Rate, veh/h	276	140	243	345	86	477
Peak Hour Factor	0.67	0.67	0.74	0.74	0.86	0.86
Percent Heavy Veh, %	11	11	2	11	11	2
Opposing Right Turn Influence	Yes				Yes	
Cap, veh/h	439	196	2729	1038	1212	2729
HCM Platoon Ratio	1.00	1.00	1.67	1.67	1.00	1.00
Prop Arrive On Green	0.14	0.14	1.00	1.00	0.77	0.77
Unsig. Movement Delay						
Ln Grp Delay, s/veh	38.1	42.0	0.1	0.8	2.7	3.0
Ln Grp LOS	D	D	A	A	A	A
Approach Vol, veh/h	416		588			563
Approach Delay, s/veh	39.4		0.5			2.9
Approach LOS	D		A			A

Timer:	1	2	3	4	5	6	7	8
Assigned Phs		2	8			6		
Case No		7.0	9.0			6.0		
Phs Duration (G+Y+Rc), s		73.9	17.1			73.9		
Change Period (Y+Rc), s		6.0	4.6			6.0		
Max Green (Gmax), s		52.0	28.4			52.0		
Max Allow Headway (MAH), s		4.2	4.2			4.4		
Max Q Clear (g_c+I1), s		2.0	11.0			5.3		
Green Ext Time (g_e), s		2.6	1.6			3.0		
Prob of Phs Call (p_c)		1.00	1.00			1.00		
Prob of Max Out (p_x)		0.00	0.00			0.00		
Left-Turn Movement Data								
Assigned Mvmt		5	3			1		
Mvmt Sat Flow, veh/h		0	3047			1372		
Through Movement Data								
Assigned Mvmt		2	8			6		
Mvmt Sat Flow, veh/h		3647	0			3647		
Right-Turn Movement Data								
Assigned Mvmt		12	18			16		
Mvmt Sat Flow, veh/h		1351	1356			0		
Left Lane Group Data								
Assigned Mvmt	0	5	3	0	0	1	0	0
Lane Assignment			L			L		

Lanes in Grp	0	0	2	0	0	2	0	0
Grp Vol (v), veh/h	0	0	276	0	0	86	0	0
Grp Sat Flow (s), veh/h/ln	0	0	1524	0	0	686	0	0
Q Serve Time (g_s), s	0.0	0.0	7.8	0.0	0.0	1.4	0.0	0.0
Cycle Q Clear Time (g_c), s	0.0	0.0	7.8	0.0	0.0	1.4	0.0	0.0
Perm LT Sat Flow (s_l), veh/h/ln	0	0	1524	0	0	686	0	0
Shared LT Sat Flow (s_sh), veh/h/ln	0	0	0	0	0	0	0	0
Perm LT Eff Green (g_p), s	0.0	0.0	0.0	0.0	0.0	69.9	0.0	0.0
Perm LT Serve Time (g_u), s	0.0	0.0	0.0	0.0	0.0	69.9	0.0	0.0
Perm LT Q Serve Time (g_ps), s	0.0	0.0	0.0	0.0	0.0	1.4	0.0	0.0
Time to First Blk (g_f), s	0.0	69.9	0.0	0.0	0.0	0.0	0.0	0.0
Serve Time pre Blk (g_fs), s	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Prop LT Inside Lane (P_L)	0.00	0.00	1.00	0.00	0.00	1.00	0.00	0.00
Lane Grp Cap (c), veh/h	0	0	439	0	0	1212	0	0
V/C Ratio (X)	0.00	0.00	0.63	0.00	0.00	0.07	0.00	0.00
Avail Cap (c_a), veh/h	0	0	971	0	0	1212	0	0
Upstream Filter (I)	0.00	0.00	1.00	0.00	0.00	1.00	0.00	0.00
Uniform Delay (d1), s/veh	0.0	0.0	36.6	0.0	0.0	2.6	0.0	0.0
Incr Delay (d2), s/veh	0.0	0.0	1.5	0.0	0.0	0.1	0.0	0.0
Initial Q Delay (d3), s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Control Delay (d), s/veh	0.0	0.0	38.1	0.0	0.0	2.7	0.0	0.0
1st-Term Q (Q1), veh/ln	0.0	0.0	2.7	0.0	0.0	0.1	0.0	0.0
2nd-Term Q (Q2), veh/ln	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0
3rd-Term Q (Q3), veh/ln	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile Back of Q Factor (f_B%)	0.00	1.00	1.00	0.00	0.00	1.00	0.00	0.00
%ile Back of Q (50%), veh/ln	0.0	0.0	2.8	0.0	0.0	0.1	0.0	0.0
%ile Storage Ratio (RQ%)	0.00	0.00	0.07	0.00	0.00	0.01	0.00	0.00
Initial Q (Qb), veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Final (Residual) Q (Qe), veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sat Delay (ds), s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sat Q (Qs), veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sat Cap (cs), veh/h	0	0	0	0	0	0	0	0
Initial Q Clear Time (tc), h	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Middle Lane Group Data								
Assigned Mvmt	0	2	8	0	0	6	0	0
Lane Assignment		T				T		
Lanes in Grp	0	2	0	0	0	2	0	0
Grp Vol (v), veh/h	0	243	0	0	0	477	0	0
Grp Sat Flow (s), veh/h/ln	0	1777	0	0	0	1777	0	0
Q Serve Time (g_s), s	0.0	0.0	0.0	0.0	0.0	3.3	0.0	0.0
Cycle Q Clear Time (g_c), s	0.0	0.0	0.0	0.0	0.0	3.3	0.0	0.0
Lane Grp Cap (c), veh/h	0	2729	0	0	0	2729	0	0
V/C Ratio (X)	0.00	0.09	0.00	0.00	0.00	0.17	0.00	0.00
Avail Cap (c_a), veh/h	0	2729	0	0	0	2729	0	0
Upstream Filter (I)	0.00	0.95	0.00	0.00	0.00	1.00	0.00	0.00
Uniform Delay (d1), s/veh	0.0	0.0	0.0	0.0	0.0	2.8	0.0	0.0
Incr Delay (d2), s/veh	0.0	0.1	0.0	0.0	0.0	0.1	0.0	0.0
Initial Q Delay (d3), s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Control Delay (d), s/veh	0.0	0.1	0.0	0.0	0.0	3.0	0.0	0.0
1st-Term Q (Q1), veh/ln	0.0	0.0	0.0	0.0	0.0	0.5	0.0	0.0
2nd-Term Q (Q2), veh/ln	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0

3rd-Term Q (Q3), veh/ln	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile Back of Q Factor (f_B%)	0.00	1.00	1.00	0.00	0.00	1.00	0.00	0.00
%ile Back of Q (50%), veh/ln	0.0	0.0	0.0	0.0	0.0	0.6	0.0	0.0
%ile Storage Ratio (RQ%)	0.00	0.00	0.00	0.00	0.00	0.02	0.00	0.00
Initial Q (Qb), veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Final (Residual) Q (Qe), veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sat Delay (ds), s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sat Q (Qs), veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sat Cap (cs), veh/h	0	0	0	0	0	0	0	0
Initial Q Clear Time (tc), h	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Right Lane Group Data								
Assigned Mvmt	0	12	18	0	0	16	0	0
Lane Assignment		R	R					
Lanes in Grp	0	1	1	0	0	0	0	0
Grp Vol (v), veh/h	0	345	140	0	0	0	0	0
Grp Sat Flow (s), veh/h/ln	0	1351	1356	0	0	0	0	0
Q Serve Time (g_s), s	0.0	0.0	9.0	0.0	0.0	0.0	0.0	0.0
Cycle Q Clear Time (g_c), s	0.0	0.0	9.0	0.0	0.0	0.0	0.0	0.0
Prot RT Sat Flow (s_R), veh/h/ln	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Prot RT Eff Green (g_R), s	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Prop RT Outside Lane (P_R)	0.00	1.00	1.00	0.00	0.00	0.00	0.00	0.00
Lane Grp Cap (c), veh/h	0	1038	196	0	0	0	0	0
V/C Ratio (X)	0.00	0.33	0.72	0.00	0.00	0.00	0.00	0.00
Avail Cap (c_a), veh/h	0	1038	432	0	0	0	0	0
Upstream Filter (I)	0.00	0.95	1.00	0.00	0.00	0.00	0.00	0.00
Uniform Delay (d1), s/veh	0.0	0.0	37.2	0.0	0.0	0.0	0.0	0.0
Incr Delay (d2), s/veh	0.0	0.8	4.8	0.0	0.0	0.0	0.0	0.0
Initial Q Delay (d3), s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Control Delay (d), s/veh	0.0	0.8	42.0	0.0	0.0	0.0	0.0	0.0
1st-Term Q (Q1), veh/ln	0.0	0.0	2.7	0.0	0.0	0.0	0.0	0.0
2nd-Term Q (Q2), veh/ln	0.0	0.2	0.3	0.0	0.0	0.0	0.0	0.0
3rd-Term Q (Q3), veh/ln	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile Back of Q Factor (f_B%)	0.00	1.00	1.00	0.00	0.00	1.00	0.00	0.00
%ile Back of Q (50%), veh/ln	0.0	0.2	3.0	0.0	0.0	0.0	0.0	0.0
%ile Storage Ratio (RQ%)	0.00	0.05	0.27	0.00	0.00	0.00	0.00	0.00
Initial Q (Qb), veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Final (Residual) Q (Qe), veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sat Delay (ds), s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sat Q (Qs), veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sat Cap (cs), veh/h	0	0	0	0	0	0	0	0
Initial Q Clear Time (tc), h	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Intersection Summary	
HCM 6th Ctrl Delay	11.7
HCM 6th LOS	B

Notes

User approved volume balancing among the lanes for turning movement.

Movement	WBL	WBR	NBT	NBR	SBL	SBT
Lane Configurations						
Traffic Volume (veh/h)	245	21	412	118	227	322
Future Volume (veh/h)	245	21	412	118	227	322
Number	3	18	2	12	1	6
Initial Q, veh	0	0	0	0	0	0
Ped-Bike Adj (A_pbT)	1.00	1.00		0.99	1.00	
Parking Bus Adj	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach	No		No			No
Lanes Open During Work Zone						
Adj Sat Flow, veh/h/ln	1600	1600	1870	1600	1600	1870
Adj Flow Rate, veh/h	438	38	509	146	284	402
Peak Hour Factor	0.56	0.56	0.81	0.81	0.80	0.80
Percent Heavy Veh, %	11	11	2	11	11	2
Opposing Right Turn Influence	Yes				Yes	
Cap, veh/h	535	238	1688	641	332	2559
HCM Platoon Ratio	1.00	1.00	1.00	1.00	2.00	2.00
Prop Arrive On Green	0.18	0.18	0.47	0.47	0.44	1.00
Unsig. Movement Delay						
Ln Grp Delay, s/veh	43.3	32.1	15.1	14.9	36.2	0.1
Ln Grp LOS	D	C	B	B	D	A
Approach Vol, veh/h	476		655			686
Approach Delay, s/veh	42.4		15.1			15.1
Approach LOS	D		B			B

Timer:	1	2	3	4	5	6	7	8
Assigned Phs	1	2	8			6		
Case No	2.0	7.0	9.0			4.0		
Phs Duration (G+Y+Rc), s	23.8	47.2	20.0			71.0		
Change Period (Y+Rc), s	6.0	6.0	4.6			* 6		
Max Green (Gmax), s	24.0	32.0	18.4			* 64		
Max Allow Headway (MAH), s	4.1	4.1	4.1			4.0		
Max Q Clear (g_c+I1), s	17.3	10.0	14.6			2.0		
Green Ext Time (g_e), s	0.6	2.7	0.8			1.7		
Prob of Phs Call (p_c)	1.00	1.00	1.00			1.00		
Prob of Max Out (p_x)	0.22	0.00	1.00			0.00		

Left-Turn Movement Data			
Assigned Mvmt	1	5	3
Mvmt Sat Flow, veh/h	1524	0	3047

Through Movement Data			
Assigned Mvmt		2	8
Mvmt Sat Flow, veh/h		3647	0

Right-Turn Movement Data			
Assigned Mvmt		12	18
Mvmt Sat Flow, veh/h		1349	1356

Left Lane Group Data								
Assigned Mvmt	1	5	3	0	0	0	0	0
Lane Assignment	L (Prot)		L					

Lanes in Grp	1	0	2	0	0	0	0	0
Grp Vol (v), veh/h	284	0	438	0	0	0	0	0
Grp Sat Flow (s), veh/h/ln	1524	0	1524	0	0	0	0	0
Q Serve Time (g_s), s	15.3	0.0	12.6	0.0	0.0	0.0	0.0	0.0
Cycle Q Clear Time (g_c), s	15.3	0.0	12.6	0.0	0.0	0.0	0.0	0.0
Perm LT Sat Flow (s_l), veh/h/ln	0	0	1524	0	0	0	0	0
Shared LT Sat Flow (s_sh), veh/h/ln	0	0	0	0	0	0	0	0
Perm LT Eff Green (g_p), s	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Perm LT Serve Time (g_u), s	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Perm LT Q Serve Time (g_ps), s	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Time to First Blk (g_f), s	0.0	43.2	0.0	0.0	0.0	0.0	0.0	0.0
Serve Time pre Blk (g_fs), s	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Prop LT Inside Lane (P_L)	1.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00
Lane Grp Cap (c), veh/h	332	0	535	0	0	0	0	0
V/C Ratio (X)	0.86	0.00	0.82	0.00	0.00	0.00	0.00	0.00
Avail Cap (c_a), veh/h	435	0	636	0	0	0	0	0
Upstream Filter (I)	0.95	0.00	1.00	0.00	0.00	0.00	0.00	0.00
Uniform Delay (d1), s/veh	24.4	0.0	36.1	0.0	0.0	0.0	0.0	0.0
Incr Delay (d2), s/veh	11.8	0.0	7.2	0.0	0.0	0.0	0.0	0.0
Initial Q Delay (d3), s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Control Delay (d), s/veh	36.2	0.0	43.3	0.0	0.0	0.0	0.0	0.0
1st-Term Q (Q1), veh/ln	3.7	0.0	4.3	0.0	0.0	0.0	0.0	0.0
2nd-Term Q (Q2), veh/ln	1.1	0.0	0.5	0.0	0.0	0.0	0.0	0.0
3rd-Term Q (Q3), veh/ln	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile Back of Q Factor (f_B%)	1.00	1.00	1.00	0.00	0.00	0.00	0.00	0.00
%ile Back of Q (50%), veh/ln	4.8	0.0	4.8	0.0	0.0	0.0	0.0	0.0
%ile Storage Ratio (RQ%)	0.33	0.00	0.13	0.00	0.00	0.00	0.00	0.00
Initial Q (Qb), veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Final (Residual) Q (Qe), veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sat Delay (ds), s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sat Q (Qs), veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sat Cap (cs), veh/h	0	0	0	0	0	0	0	0
Initial Q Clear Time (tc), h	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Middle Lane Group Data								
Assigned Mvmt	0	2	8	0	0	6	0	0
Lane Assignment		T				T		
Lanes in Grp	0	2	0	0	0	2	0	0
Grp Vol (v), veh/h	0	509	0	0	0	402	0	0
Grp Sat Flow (s), veh/h/ln	0	1777	0	0	0	1777	0	0
Q Serve Time (g_s), s	0.0	8.0	0.0	0.0	0.0	0.0	0.0	0.0
Cycle Q Clear Time (g_c), s	0.0	8.0	0.0	0.0	0.0	0.0	0.0	0.0
Lane Grp Cap (c), veh/h	0	1688	0	0	0	2559	0	0
V/C Ratio (X)	0.00	0.30	0.00	0.00	0.00	0.16	0.00	0.00
Avail Cap (c_a), veh/h	0	1688	0	0	0	2559	0	0
Upstream Filter (I)	0.00	1.00	0.00	0.00	0.00	0.95	0.00	0.00
Uniform Delay (d1), s/veh	0.0	14.6	0.0	0.0	0.0	0.0	0.0	0.0
Incr Delay (d2), s/veh	0.0	0.5	0.0	0.0	0.0	0.1	0.0	0.0
Initial Q Delay (d3), s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Control Delay (d), s/veh	0.0	15.1	0.0	0.0	0.0	0.1	0.0	0.0
1st-Term Q (Q1), veh/ln	0.0	2.7	0.0	0.0	0.0	0.0	0.0	0.0
2nd-Term Q (Q2), veh/ln	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0

3rd-Term Q (Q3), veh/ln	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile Back of Q Factor (f_B%)	0.00	1.00	1.00	0.00	0.00	1.00	0.00	0.00
%ile Back of Q (50%), veh/ln	0.0	2.9	0.0	0.0	0.0	0.0	0.0	0.0
%ile Storage Ratio (RQ%)	0.00	0.15	0.00	0.00	0.00	0.00	0.00	0.00
Initial Q (Qb), veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Final (Residual) Q (Qe), veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sat Delay (ds), s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sat Q (Qs), veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sat Cap (cs), veh/h	0	0	0	0	0	0	0	0
Initial Q Clear Time (tc), h	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Right Lane Group Data								
Assigned Mvmt	0	12	18	0	0	16	0	0
Lane Assignment		R	R					
Lanes in Grp	0	1	1	0	0	0	0	0
Grp Vol (v), veh/h	0	146	38	0	0	0	0	0
Grp Sat Flow (s), veh/h/ln	0	1349	1356	0	0	0	0	0
Q Serve Time (g_s), s	0.0	5.8	2.2	0.0	0.0	0.0	0.0	0.0
Cycle Q Clear Time (g_c), s	0.0	5.8	2.2	0.0	0.0	0.0	0.0	0.0
Prot RT Sat Flow (s_R), veh/h/ln	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Prot RT Eff Green (g_R), s	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Prop RT Outside Lane (P_R)	0.00	1.00	1.00	0.00	0.00	0.00	0.00	0.00
Lane Grp Cap (c), veh/h	0	641	238	0	0	0	0	0
V/C Ratio (X)	0.00	0.23	0.16	0.00	0.00	0.00	0.00	0.00
Avail Cap (c_a), veh/h	0	641	283	0	0	0	0	0
Upstream Filter (I)	0.00	1.00	1.00	0.00	0.00	0.00	0.00	0.00
Uniform Delay (d1), s/veh	0.0	14.1	31.8	0.0	0.0	0.0	0.0	0.0
Incr Delay (d2), s/veh	0.0	0.8	0.3	0.0	0.0	0.0	0.0	0.0
Initial Q Delay (d3), s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Control Delay (d), s/veh	0.0	14.9	32.1	0.0	0.0	0.0	0.0	0.0
1st-Term Q (Q1), veh/ln	0.0	1.5	0.7	0.0	0.0	0.0	0.0	0.0
2nd-Term Q (Q2), veh/ln	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0
3rd-Term Q (Q3), veh/ln	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile Back of Q Factor (f_B%)	0.00	1.00	1.00	0.00	0.00	1.00	0.00	0.00
%ile Back of Q (50%), veh/ln	0.0	1.7	0.7	0.0	0.0	0.0	0.0	0.0
%ile Storage Ratio (RQ%)	0.00	0.25	0.06	0.00	0.00	0.00	0.00	0.00
Initial Q (Qb), veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Final (Residual) Q (Qe), veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sat Delay (ds), s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sat Q (Qs), veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sat Cap (cs), veh/h	0	0	0	0	0	0	0	0
Initial Q Clear Time (tc), h	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Intersection Summary	
HCM 6th Ctrl Delay	22.2
HCM 6th LOS	C

Notes

User approved volume balancing among the lanes for turning movement.

* HCM 6th Edition computational engine requires equal clearance times for the phases crossing the barrier.

Intersection	
Int Delay, s/veh	25.8

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Vol, veh/h	28	8	5	17	9	436	5	58	8	413	123	36
Future Vol, veh/h	28	8	5	17	9	436	5	58	8	413	123	36
Conflicting Peds, #/hr	0	0	0	0	0	0	5	0	5	5	0	5
Sign Control	Free	Free	Free	Free	Free	Free	Stop	Stop	Stop	Stop	Stop	Stop
RT Channelized	-	-	None	-	-	None	-	-	None	-	-	None
Storage Length	-	-	-	-	-	150	270	-	-	150	-	-
Veh in Median Storage, #	-	0	-	-	0	-	-	0	-	-	0	-
Grade, %	-	0	-	-	0	-	-	0	-	-	0	-
Peak Hour Factor	60	60	60	84	84	84	80	80	80	71	71	71
Heavy Vehicles, %	2	2	2	2	2	2	2	2	2	2	2	2
Mvmt Flow	47	13	8	20	11	519	6	73	10	582	173	51

Major/Minor	Major1			Major2			Minor1			Minor2		
Conflicting Flow All	530	0	0	21	0	0	539	681	22	209	166	16
Stage 1	-	-	-	-	-	-	111	111	-	51	51	-
Stage 2	-	-	-	-	-	-	428	570	-	158	115	-
Critical Hdwy	4.12	-	-	4.12	-	-	7.12	6.52	6.22	7.12	6.52	6.22
Critical Hdwy Stg 1	-	-	-	-	-	-	6.12	5.52	-	6.12	5.52	-
Critical Hdwy Stg 2	-	-	-	-	-	-	6.12	5.52	-	6.12	5.52	-
Follow-up Hdwy	2.218	-	-	2.218	-	-	3.518	4.018	3.318	3.518	4.018	3.318
Pot Cap-1 Maneuver	1037	-	-	1595	-	-	453	373	1055	748	727	1063
Stage 1	-	-	-	-	-	-	894	804	-	962	852	-
Stage 2	-	-	-	-	-	-	605	505	-	844	800	-
Platoon blocked, %		-	-		-	-						
Mov Cap-1 Maneuver	1037	-	-	1595	-	-	329	349	1051	591	680	1059
Mov Cap-2 Maneuver	-	-	-	-	-	-	329	349	-	591	680	-
Stage 1	-	-	-	-	-	-	853	767	-	918	836	-
Stage 2	-	-	-	-	-	-	446	495	-	719	763	-

Approach	EB	WB	NB	SB
HCM Control Delay, s	5.9	0.3	14.6	31.9
HCM LOS			B	D

Minor Lane/Major Mvmt	NBLn1	NBLn2	NBLn3	EBL	EBT	EBR	WBL	WBT	WBR	SBLn1	SBLn2	SBLn3
Capacity (veh/h)	329	349	408	1037	-	-	1595	-	-	591	680	784
HCM Lane V/C Ratio	0.019	0.104	0.113	0.045	-	-	0.013	-	-	0.984	0.127	0.175
HCM Control Delay (s)	16.2	16.5	14.9	8.6	0	-	7.3	0	-	59.6	11.1	10.6
HCM Lane LOS	C	C	B	A	A	-	A	A	-	F	B	B
HCM 95th %tile Q(veh)	0.1	0.3	0.4	0.1	-	-	0	-	-	14.2	0.4	0.6

Movement	WBL	WBR	NBT	NBR	SBL	SBT
Lane Configurations						
Traffic Volume (veh/h)	79	262	256	117	109	550
Future Volume (veh/h)	79	262	256	117	109	550
Number	3	18	2	12	1	6
Initial Q, veh	0	0	0	0	0	0
Ped-Bike Adj (A_pbT)	1.00	1.00		1.00	1.00	
Parking Bus Adj	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach	No		No			No
Lanes Open During Work Zone						
Adj Sat Flow, veh/h/ln	1600	1600	1870	1600	1600	1870
Adj Flow Rate, veh/h	118	391	346	158	127	640
Peak Hour Factor	0.67	0.67	0.74	0.74	0.86	0.86
Percent Heavy Veh, %	11	11	2	11	11	2
Opposing Right Turn Influence	Yes				Yes	
Cap, veh/h	290	516	2562	974	1115	2562
HCM Platoon Ratio	1.00	1.00	0.33	0.33	1.00	1.00
Prop Arrive On Green	0.19	0.19	0.24	0.24	0.72	0.72
Unsig. Movement Delay						
Ln Grp Delay, s/veh	32.9	36.8	12.3	13.1	6.4	4.5
Ln Grp LOS	C	D	B	B	A	A
Approach Vol, veh/h	509		504			767
Approach Delay, s/veh	35.9		12.6			4.8
Approach LOS	D		B			A

Timer:	1	2	3	4	5	6	7	8
Assigned Phs		2	8			6		
Case No		7.0	9.0			6.0		
Phs Duration (G+Y+Rc), s		68.9	21.1			68.9		
Change Period (Y+Rc), s		6.0	4.6			6.0		
Max Green (Gmax), s		42.0	37.4			42.0		
Max Allow Headway (MAH), s		4.1	4.3			4.4		
Max Q Clear (g_c+I1), s		10.3	14.3			11.9		
Green Ext Time (g_e), s		2.1	2.2			4.0		
Prob of Phs Call (p_c)		1.00	1.00			1.00		
Prob of Max Out (p_x)		0.00	0.00			0.00		
Left-Turn Movement Data								
Assigned Mvmt		5	3			1		
Mvmt Sat Flow, veh/h		0	1524			1483		
Through Movement Data								
Assigned Mvmt		2	8			6		
Mvmt Sat Flow, veh/h		3647	0			3647		
Right-Turn Movement Data								
Assigned Mvmt		12	18			16		
Mvmt Sat Flow, veh/h		1351	2712			0		
Left Lane Group Data								
Assigned Mvmt	0	5	3	0	0	1	0	0
Lane Assignment			L			L		

Lanes in Grp	0	0	1	0	0	2	0	0
Grp Vol (v), veh/h	0	0	118	0	0	127	0	0
Grp Sat Flow (s), veh/h/ln	0	0	1524	0	0	741	0	0
Q Serve Time (g_s), s	0.0	0.0	6.1	0.0	0.0	3.0	0.0	0.0
Cycle Q Clear Time (g_c), s	0.0	0.0	6.1	0.0	0.0	9.9	0.0	0.0
Perm LT Sat Flow (s_l), veh/h/ln	0	0	1524	0	0	741	0	0
Shared LT Sat Flow (s_sh), veh/h/ln	0	0	0	0	0	0	0	0
Perm LT Eff Green (g_p), s	0.0	0.0	0.0	0.0	0.0	64.9	0.0	0.0
Perm LT Serve Time (g_u), s	0.0	0.0	0.0	0.0	0.0	58.0	0.0	0.0
Perm LT Q Serve Time (g_ps), s	0.0	0.0	0.0	0.0	0.0	3.0	0.0	0.0
Time to First Blk (g_f), s	0.0	64.9	0.0	0.0	0.0	0.0	0.0	0.0
Serve Time pre Blk (g_fs), s	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Prop LT Inside Lane (P_L)	0.00	0.00	1.00	0.00	0.00	1.00	0.00	0.00
Lane Grp Cap (c), veh/h	0	0	290	0	0	1115	0	0
V/C Ratio (X)	0.00	0.00	0.41	0.00	0.00	0.11	0.00	0.00
Avail Cap (c_a), veh/h	0	0	643	0	0	1115	0	0
Upstream Filter (I)	0.00	0.00	1.00	0.00	0.00	1.00	0.00	0.00
Uniform Delay (d1), s/veh	0.0	0.0	32.0	0.0	0.0	6.2	0.0	0.0
Incr Delay (d2), s/veh	0.0	0.0	0.9	0.0	0.0	0.2	0.0	0.0
Initial Q Delay (d3), s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Control Delay (d), s/veh	0.0	0.0	32.9	0.0	0.0	6.4	0.0	0.0
1st-Term Q (Q1), veh/ln	0.0	0.0	2.1	0.0	0.0	0.3	0.0	0.0
2nd-Term Q (Q2), veh/ln	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0
3rd-Term Q (Q3), veh/ln	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile Back of Q Factor (f_B%)	0.00	1.00	1.00	0.00	0.00	1.00	0.00	0.00
%ile Back of Q (50%), veh/ln	0.0	0.0	2.2	0.0	0.0	0.4	0.0	0.0
%ile Storage Ratio (RQ%)	0.00	0.00	0.06	0.00	0.00	0.05	0.00	0.00
Initial Q (Qb), veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Final (Residual) Q (Qe), veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sat Delay (ds), s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sat Q (Qs), veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sat Cap (cs), veh/h	0	0	0	0	0	0	0	0
Initial Q Clear Time (tc), h	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Middle Lane Group Data								
Assigned Mvmt	0	2	8	0	0	6	0	0
Lane Assignment		T				T		
Lanes in Grp	0	2	0	0	0	2	0	0
Grp Vol (v), veh/h	0	346	0	0	0	640	0	0
Grp Sat Flow (s), veh/h/ln	0	1777	0	0	0	1777	0	0
Q Serve Time (g_s), s	0.0	6.9	0.0	0.0	0.0	5.5	0.0	0.0
Cycle Q Clear Time (g_c), s	0.0	6.9	0.0	0.0	0.0	5.5	0.0	0.0
Lane Grp Cap (c), veh/h	0	2562	0	0	0	2562	0	0
V/C Ratio (X)	0.00	0.14	0.00	0.00	0.00	0.25	0.00	0.00
Avail Cap (c_a), veh/h	0	2562	0	0	0	2562	0	0
Upstream Filter (I)	0.00	0.94	0.00	0.00	0.00	1.00	0.00	0.00
Uniform Delay (d1), s/veh	0.0	12.2	0.0	0.0	0.0	4.3	0.0	0.0
Incr Delay (d2), s/veh	0.0	0.1	0.0	0.0	0.0	0.2	0.0	0.0
Initial Q Delay (d3), s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Control Delay (d), s/veh	0.0	12.3	0.0	0.0	0.0	4.5	0.0	0.0
1st-Term Q (Q1), veh/ln	0.0	1.9	0.0	0.0	0.0	1.2	0.0	0.0
2nd-Term Q (Q2), veh/ln	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0

3rd-Term Q (Q3), veh/ln	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile Back of Q Factor (f_B%)	0.00	1.00	1.00	0.00	0.00	1.00	0.00	0.00
%ile Back of Q (50%), veh/ln	0.0	2.0	0.0	0.0	0.0	1.2	0.0	0.0
%ile Storage Ratio (RQ%)	0.00	0.06	0.00	0.00	0.00	0.04	0.00	0.00
Initial Q (Qb), veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Final (Residual) Q (Qe), veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sat Delay (ds), s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sat Q (Qs), veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sat Cap (cs), veh/h	0	0	0	0	0	0	0	0
Initial Q Clear Time (tc), h	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Right Lane Group Data								
Assigned Mvmt	0	12	18	0	0	16	0	0
Lane Assignment		R	R					
Lanes in Grp	0	1	2	0	0	0	0	0
Grp Vol (v), veh/h	0	158	391	0	0	0	0	0
Grp Sat Flow (s), veh/h/ln	0	1351	1356	0	0	0	0	0
Q Serve Time (g_s), s	0.0	8.3	12.3	0.0	0.0	0.0	0.0	0.0
Cycle Q Clear Time (g_c), s	0.0	8.3	12.3	0.0	0.0	0.0	0.0	0.0
Prot RT Sat Flow (s_R), veh/h/ln	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Prot RT Eff Green (g_R), s	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Prop RT Outside Lane (P_R)	0.00	1.00	1.00	0.00	0.00	0.00	0.00	0.00
Lane Grp Cap (c), veh/h	0	974	516	0	0	0	0	0
V/C Ratio (X)	0.00	0.16	0.76	0.00	0.00	0.00	0.00	0.00
Avail Cap (c_a), veh/h	0	974	1145	0	0	0	0	0
Upstream Filter (I)	0.00	0.94	1.00	0.00	0.00	0.00	0.00	0.00
Uniform Delay (d1), s/veh	0.0	12.8	34.5	0.0	0.0	0.0	0.0	0.0
Incr Delay (d2), s/veh	0.0	0.3	2.3	0.0	0.0	0.0	0.0	0.0
Initial Q Delay (d3), s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Control Delay (d), s/veh	0.0	13.1	36.8	0.0	0.0	0.0	0.0	0.0
1st-Term Q (Q1), veh/ln	0.0	1.9	3.7	0.0	0.0	0.0	0.0	0.0
2nd-Term Q (Q2), veh/ln	0.0	0.1	0.2	0.0	0.0	0.0	0.0	0.0
3rd-Term Q (Q3), veh/ln	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile Back of Q Factor (f_B%)	0.00	1.00	1.00	0.00	0.00	1.00	0.00	0.00
%ile Back of Q (50%), veh/ln	0.0	2.0	3.9	0.0	0.0	0.0	0.0	0.0
%ile Storage Ratio (RQ%)	0.00	0.41	0.35	0.00	0.00	0.00	0.00	0.00
Initial Q (Qb), veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Final (Residual) Q (Qe), veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sat Delay (ds), s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sat Q (Qs), veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sat Cap (cs), veh/h	0	0	0	0	0	0	0	0
Initial Q Clear Time (tc), h	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Intersection Summary	
HCM 6th Ctrl Delay	15.9
HCM 6th LOS	B

Notes

User approved volume balancing among the lanes for turning movement.

Movement	WBL	WBR	NBT	NBR	SBL	SBT
Lane Configurations						
Traffic Volume (veh/h)	31	23	400	58	391	311
Future Volume (veh/h)	31	23	400	58	391	311
Number	3	18	2	12	1	6
Initial Q, veh	0	0	0	0	0	0
Ped-Bike Adj (A_pbT)	1.00	1.00		0.99	1.00	
Parking Bus Adj	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach	No		No			No
Lanes Open During Work Zone						
Adj Sat Flow, veh/h/ln	1600	1600	1870	1600	1600	1870
Adj Flow Rate, veh/h	63	32	494	72	489	389
Peak Hour Factor	0.56	0.56	0.81	0.81	0.80	0.80
Percent Heavy Veh, %	11	11	2	11	11	2
Opposing Right Turn Influence	Yes				Yes	
Cap, veh/h	151	67	735	277	930	3002
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.67	1.67
Prop Arrive On Green	0.05	0.05	0.21	0.21	1.00	1.00
Unsig. Movement Delay						
Ln Grp Delay, s/veh	43.3	46.7	37.7	32.2	0.5	0.1
Ln Grp LOS	D	D	D	C	A	A
Approach Vol, veh/h	95		566			878
Approach Delay, s/veh	44.5		37.0			0.3
Approach LOS	D		D			A

Timer:	1	2	3	4	5	6	7	8
Assigned Phs	2	1	8			6		
Case No	7.0	2.0	9.0			4.0		
Phs Duration (G+Y+Rc), s	22.6	58.9	8.5			81.5		
Change Period (Y+Rc), s	6.0	6.0	4.6			* 6		
Max Green (Gmax), s	31.4	26.0	16.0			* 65		
Max Allow Headway (MAH), s	4.0	4.1	4.2			4.0		
Max Q Clear (g_c+I1), s	13.5	2.0	4.1			2.0		
Green Ext Time (g_e), s	2.2	1.9	0.2			1.6		
Prob of Phs Call (p_c)	1.00	1.00	0.91			1.00		
Prob of Max Out (p_x)	0.00	0.00	0.00			0.00		

Left-Turn Movement Data								
Assigned Mvmt	5	1	3					
Mvmt Sat Flow, veh/h	0	1524	3047					

Through Movement Data								
Assigned Mvmt	2		8			6		
Mvmt Sat Flow, veh/h	3647		0			3647		

Right-Turn Movement Data								
Assigned Mvmt	12		18			16		
Mvmt Sat Flow, veh/h	1339		1356			0		

Left Lane Group Data								
Assigned Mvmt	5	1	3	0	0	0	0	0
Lane Assignment		L (Prot)	L					

Lanes in Grp	0	1	2	0	0	0	0	0
Grp Vol (v), veh/h	0	489	63	0	0	0	0	0
Grp Sat Flow (s), veh/h/ln	0	1524	1524	0	0	0	0	0
Q Serve Time (g_s), s	0.0	0.0	1.8	0.0	0.0	0.0	0.0	0.0
Cycle Q Clear Time (g_c), s	0.0	0.0	1.8	0.0	0.0	0.0	0.0	0.0
Perm LT Sat Flow (s_l), veh/h/ln	0	0	1524	0	0	0	0	0
Shared LT Sat Flow (s_sh), veh/h/ln	0	0	0	0	0	0	0	0
Perm LT Eff Green (g_p), s	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Perm LT Serve Time (g_u), s	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Perm LT Q Serve Time (g_ps), s	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Time to First Blk (g_f), s	18.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Serve Time pre Blk (g_fs), s	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Prop LT Inside Lane (P_L)	0.00	1.00	1.00	0.00	0.00	0.00	0.00	0.00
Lane Grp Cap (c), veh/h	0	930	151	0	0	0	0	0
V/C Ratio (X)	0.00	0.53	0.42	0.00	0.00	0.00	0.00	0.00
Avail Cap (c_a), veh/h	0	930	562	0	0	0	0	0
Upstream Filter (I)	0.00	0.94	1.00	0.00	0.00	0.00	0.00	0.00
Uniform Delay (d1), s/veh	0.0	0.0	41.5	0.0	0.0	0.0	0.0	0.0
Incr Delay (d2), s/veh	0.0	0.5	1.8	0.0	0.0	0.0	0.0	0.0
Initial Q Delay (d3), s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Control Delay (d), s/veh	0.0	0.5	43.3	0.0	0.0	0.0	0.0	0.0
1st-Term Q (Q1), veh/ln	0.0	0.0	0.6	0.0	0.0	0.0	0.0	0.0
2nd-Term Q (Q2), veh/ln	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0
3rd-Term Q (Q3), veh/ln	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile Back of Q Factor (f_B%)	1.00	1.00	1.00	0.00	0.00	0.00	0.00	0.00
%ile Back of Q (50%), veh/ln	0.0	0.1	0.7	0.0	0.0	0.0	0.0	0.0
%ile Storage Ratio (RQ%)	0.00	0.01	0.02	0.00	0.00	0.00	0.00	0.00
Initial Q (Qb), veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Final (Residual) Q (Qe), veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sat Delay (ds), s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sat Q (Qs), veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sat Cap (cs), veh/h	0	0	0	0	0	0	0	0
Initial Q Clear Time (tc), h	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Middle Lane Group Data								
Assigned Mvmt	2	0	8	0	0	6	0	0
Lane Assignment	T					T		
Lanes in Grp	2	0	0	0	0	2	0	0
Grp Vol (v), veh/h	494	0	0	0	0	389	0	0
Grp Sat Flow (s), veh/h/ln	1777	0	0	0	0	1777	0	0
Q Serve Time (g_s), s	11.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Cycle Q Clear Time (g_c), s	11.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Lane Grp Cap (c), veh/h	735	0	0	0	0	3002	0	0
V/C Ratio (X)	0.67	0.00	0.00	0.00	0.00	0.13	0.00	0.00
Avail Cap (c_a), veh/h	1319	0	0	0	0	3002	0	0
Upstream Filter (I)	1.00	0.00	0.00	0.00	0.00	0.94	0.00	0.00
Uniform Delay (d1), s/veh	32.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Incr Delay (d2), s/veh	4.9	0.0	0.0	0.0	0.0	0.1	0.0	0.0
Initial Q Delay (d3), s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Control Delay (d), s/veh	37.7	0.0	0.0	0.0	0.0	0.1	0.0	0.0
1st-Term Q (Q1), veh/ln	4.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2nd-Term Q (Q2), veh/ln	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0

3rd-Term Q (Q3), veh/ln	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile Back of Q Factor (f_B%)	1.00	0.00	1.00	0.00	0.00	1.00	0.00	0.00
%ile Back of Q (50%), veh/ln	5.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile Storage Ratio (RQ%)	0.27	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Initial Q (Qb), veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Final (Residual) Q (Qe), veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sat Delay (ds), s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sat Q (Qs), veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sat Cap (cs), veh/h	0	0	0	0	0	0	0	0
Initial Q Clear Time (tc), h	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Right Lane Group Data								
Assigned Mvmt	12	0	18	0	0	16	0	0
Lane Assignment	R		R					
Lanes in Grp	1	0	1	0	0	0	0	0
Grp Vol (v), veh/h	72	0	32	0	0	0	0	0
Grp Sat Flow (s), veh/h/ln	1339	0	1356	0	0	0	0	0
Q Serve Time (g_s), s	4.1	0.0	2.1	0.0	0.0	0.0	0.0	0.0
Cycle Q Clear Time (g_c), s	4.1	0.0	2.1	0.0	0.0	0.0	0.0	0.0
Prot RT Sat Flow (s_R), veh/h/ln	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Prot RT Eff Green (g_R), s	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Prop RT Outside Lane (P_R)	1.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00
Lane Grp Cap (c), veh/h	277	0	67	0	0	0	0	0
V/C Ratio (X)	0.26	0.00	0.47	0.00	0.00	0.00	0.00	0.00
Avail Cap (c_a), veh/h	497	0	250	0	0	0	0	0
Upstream Filter (I)	1.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00
Uniform Delay (d1), s/veh	29.9	0.0	41.6	0.0	0.0	0.0	0.0	0.0
Incr Delay (d2), s/veh	2.3	0.0	5.1	0.0	0.0	0.0	0.0	0.0
Initial Q Delay (d3), s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Control Delay (d), s/veh	32.2	0.0	46.7	0.0	0.0	0.0	0.0	0.0
1st-Term Q (Q1), veh/ln	1.2	0.0	0.6	0.0	0.0	0.0	0.0	0.0
2nd-Term Q (Q2), veh/ln	0.2	0.0	0.1	0.0	0.0	0.0	0.0	0.0
3rd-Term Q (Q3), veh/ln	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile Back of Q Factor (f_B%)	1.00	0.00	1.00	0.00	0.00	1.00	0.00	0.00
%ile Back of Q (50%), veh/ln	1.4	0.0	0.7	0.0	0.0	0.0	0.0	0.0
%ile Storage Ratio (RQ%)	0.21	0.00	0.07	0.00	0.00	0.00	0.00	0.00
Initial Q (Qb), veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Final (Residual) Q (Qe), veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sat Delay (ds), s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sat Q (Qs), veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sat Cap (cs), veh/h	0	0	0	0	0	0	0	0
Initial Q Clear Time (tc), h	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Intersection Summary	
HCM 6th Ctrl Delay	16.6
HCM 6th LOS	B

Notes

User approved volume balancing among the lanes for turning movement.
* HCM 6th Edition computational engine requires equal clearance times for the phases crossing the barrier.

Intersection	
Int Delay, s/veh	12

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Vol, veh/h	48	14	9	20	15	217	15	169	9	114	255	75
Future Vol, veh/h	48	14	9	20	15	217	15	169	9	114	255	75
Conflicting Peds, #/hr	0	0	0	0	0	0	5	0	5	5	0	5
Sign Control	Free	Free	Free	Free	Free	Free	Stop	Stop	Stop	Stop	Stop	Stop
RT Channelized	-	-	None	-	-	None	-	-	None	-	-	None
Storage Length	-	-	-	-	-	150	270	-	-	150	-	-
Veh in Median Storage, #	-	0	-	-	0	-	-	0	-	-	0	-
Grade, %	-	0	-	-	0	-	-	0	-	-	0	-
Peak Hour Factor	60	60	60	84	84	84	80	80	80	71	71	71
Heavy Vehicles, %	2	2	2	2	2	2	2	2	2	2	2	2
Mvmt Flow	80	23	15	24	18	258	19	211	11	161	359	106

Major/Minor	Major1			Major2			Minor1			Minor2		
Conflicting Flow All	276	0	0	38	0	0	624	515	36	373	264	23
Stage 1	-	-	-	-	-	-	191	191	-	66	66	-
Stage 2	-	-	-	-	-	-	433	324	-	307	198	-
Critical Hdwy	4.12	-	-	4.12	-	-	7.12	6.52	6.22	7.12	6.52	6.22
Critical Hdwy Stg 1	-	-	-	-	-	-	6.12	5.52	-	6.12	5.52	-
Critical Hdwy Stg 2	-	-	-	-	-	-	6.12	5.52	-	6.12	5.52	-
Follow-up Hdwy	2.218	-	-	2.218	-	-	3.518	4.018	3.318	3.518	4.018	3.318
Pot Cap-1 Maneuver	1287	-	-	1572	-	-	398	464	1037	584	641	1054
Stage 1	-	-	-	-	-	-	811	742	-	945	840	-
Stage 2	-	-	-	-	-	-	601	650	-	703	737	-
Platoon blocked, %		-	-		-	-						
Mov Cap-1 Maneuver	1287	-	-	1572	-	-	173	426	1033	331	588	1050
Mov Cap-2 Maneuver	-	-	-	-	-	-	173	426	-	331	588	-
Stage 1	-	-	-	-	-	-	759	695	-	885	824	-
Stage 2	-	-	-	-	-	-	298	638	-	451	690	-

Approach	EB	WB	NB	SB
HCM Control Delay, s	5.4	0.6	16.9	16.8
HCM LOS			C	C

Minor Lane/Major Mvmt	NBLn1	NBLn2	NBLn3	EBL	EBT	EBR	WBL	WBT	WBR	SBLn1	SBLn2	SBLn3
Capacity (veh/h)	173	426	452	1287	-	-	1572	-	-	331	588	702
HCM Lane V/C Ratio	0.108	0.248	0.259	0.062	-	-	0.015	-	-	0.485	0.305	0.406
HCM Control Delay (s)	28.3	16.2	15.7	8	0	-	7.3	0	-	25.7	13.8	13.6
HCM Lane LOS	D	C	C	A	A	-	A	A	-	D	B	B
HCM 95th %tile Q(veh)	0.4	1	1	0.2	-	-	0	-	-	2.5	1.3	2

Movement	WBL	WBR	NBT	NBR	SBL	SBT
Lane Configurations						
Traffic Volume (veh/h)	184	262	287	304	109	586
Future Volume (veh/h)	184	262	287	304	109	586
Number	3	18	2	12	1	6
Initial Q, veh	0	0	0	0	0	0
Ped-Bike Adj (A_pbT)	1.00	1.00		1.00	1.00	
Parking Bus Adj	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach	No		No			No
Lanes Open During Work Zone						
Adj Sat Flow, veh/h/ln	1600	1600	1870	1600	1600	1870
Adj Flow Rate, veh/h	222	448	388	411	127	681
Peak Hour Factor	0.67	0.67	0.74	0.74	0.86	0.86
Percent Heavy Veh, %	11	11	2	11	11	2
Opposing Right Turn Influence	Yes				Yes	
Cap, veh/h	325	579	2479	942	905	2479
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00
Prop Arrive On Green	0.21	0.21	0.70	0.70	0.70	0.70
Unsig. Movement Delay						
Ln Grp Delay, s/veh	35.1	35.6	4.7	7.0	6.2	5.4
Ln Grp LOS	D	D	A	A	A	A
Approach Vol, veh/h	670		799			808
Approach Delay, s/veh	35.4		5.9			5.5
Approach LOS	D		A			A

Timer:	1	2	3	4	5	6	7	8
Assigned Phs		2	8			6		
Case No		7.0	9.0			6.0		
Phs Duration (G+Y+Rc), s		66.8	23.2			66.8		
Change Period (Y+Rc), s		6.0	4.6			6.0		
Max Green (Gmax), s		49.0	30.4			49.0		
Max Allow Headway (MAH), s		4.2	4.3			4.6		
Max Q Clear (g_c+I1), s		13.9	16.0			9.2		
Green Ext Time (g_e), s		3.6	2.6			4.9		
Prob of Phs Call (p_c)		1.00	1.00			1.00		
Prob of Max Out (p_x)		0.00	0.05			0.00		
Left-Turn Movement Data								
Assigned Mvmt		5	3			1		
Mvmt Sat Flow, veh/h		0	1524			1128		
Through Movement Data								
Assigned Mvmt		2	8			6		
Mvmt Sat Flow, veh/h		3647	0			3647		
Right-Turn Movement Data								
Assigned Mvmt		12	18			16		
Mvmt Sat Flow, veh/h		1351	2712			0		
Left Lane Group Data								
Assigned Mvmt	0	5	3	0	0	1	0	0
Lane Assignment			L			L		

Lanes in Grp	0	0	1	0	0	2	0	0
Grp Vol (v), veh/h	0	0	222	0	0	127	0	0
Grp Sat Flow (s), veh/h/ln	0	0	1524	0	0	564	0	0
Q Serve Time (g_s), s	0.0	0.0	12.1	0.0	0.0	3.9	0.0	0.0
Cycle Q Clear Time (g_c), s	0.0	0.0	12.1	0.0	0.0	7.2	0.0	0.0
Perm LT Sat Flow (s_l), veh/h/ln	0	0	1524	0	0	564	0	0
Shared LT Sat Flow (s_sh), veh/h/ln	0	0	0	0	0	0	0	0
Perm LT Eff Green (g_p), s	0.0	0.0	0.0	0.0	0.0	62.8	0.0	0.0
Perm LT Serve Time (g_u), s	0.0	0.0	0.0	0.0	0.0	59.5	0.0	0.0
Perm LT Q Serve Time (g_ps), s	0.0	0.0	0.0	0.0	0.0	3.9	0.0	0.0
Time to First Blk (g_f), s	0.0	62.8	0.0	0.0	0.0	0.0	0.0	0.0
Serve Time pre Blk (g_fs), s	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Prop LT Inside Lane (P_L)	0.00	0.00	1.00	0.00	0.00	1.00	0.00	0.00
Lane Grp Cap (c), veh/h	0	0	325	0	0	905	0	0
V/C Ratio (X)	0.00	0.00	0.68	0.00	0.00	0.14	0.00	0.00
Avail Cap (c_a), veh/h	0	0	525	0	0	905	0	0
Upstream Filter (I)	0.00	0.00	1.00	0.00	0.00	1.00	0.00	0.00
Uniform Delay (d1), s/veh	0.0	0.0	32.6	0.0	0.0	5.8	0.0	0.0
Incr Delay (d2), s/veh	0.0	0.0	2.5	0.0	0.0	0.3	0.0	0.0
Initial Q Delay (d3), s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Control Delay (d), s/veh	0.0	0.0	35.1	0.0	0.0	6.2	0.0	0.0
1st-Term Q (Q1), veh/ln	0.0	0.0	4.1	0.0	0.0	0.3	0.0	0.0
2nd-Term Q (Q2), veh/ln	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0
3rd-Term Q (Q3), veh/ln	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile Back of Q Factor (f_B%)	0.00	1.00	1.00	0.00	0.00	1.00	0.00	0.00
%ile Back of Q (50%), veh/ln	0.0	0.0	4.3	0.0	0.0	0.4	0.0	0.0
%ile Storage Ratio (RQ%)	0.00	0.00	0.11	0.00	0.00	0.04	0.00	0.00
Initial Q (Qb), veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Final (Residual) Q (Qe), veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sat Delay (ds), s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sat Q (Qs), veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sat Cap (cs), veh/h	0	0	0	0	0	0	0	0
Initial Q Clear Time (tc), h	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Middle Lane Group Data								
Assigned Mvmt	0	2	8	0	0	6	0	0
Lane Assignment		T				T		
Lanes in Grp	0	2	0	0	0	2	0	0
Grp Vol (v), veh/h	0	388	0	0	0	681	0	0
Grp Sat Flow (s), veh/h/ln	0	1777	0	0	0	1777	0	0
Q Serve Time (g_s), s	0.0	3.3	0.0	0.0	0.0	6.5	0.0	0.0
Cycle Q Clear Time (g_c), s	0.0	3.3	0.0	0.0	0.0	6.5	0.0	0.0
Lane Grp Cap (c), veh/h	0	2479	0	0	0	2479	0	0
V/C Ratio (X)	0.00	0.16	0.00	0.00	0.00	0.27	0.00	0.00
Avail Cap (c_a), veh/h	0	2479	0	0	0	2479	0	0
Upstream Filter (I)	0.00	0.76	0.00	0.00	0.00	1.00	0.00	0.00
Uniform Delay (d1), s/veh	0.0	4.6	0.0	0.0	0.0	5.1	0.0	0.0
Incr Delay (d2), s/veh	0.0	0.1	0.0	0.0	0.0	0.3	0.0	0.0
Initial Q Delay (d3), s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Control Delay (d), s/veh	0.0	4.7	0.0	0.0	0.0	5.4	0.0	0.0
1st-Term Q (Q1), veh/ln	0.0	0.8	0.0	0.0	0.0	1.5	0.0	0.0
2nd-Term Q (Q2), veh/ln	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0

3rd-Term Q (Q3), veh/ln	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile Back of Q Factor (f_B%)	0.00	1.00	1.00	0.00	0.00	1.00	0.00	0.00
%ile Back of Q (50%), veh/ln	0.0	0.8	0.0	0.0	0.0	1.6	0.0	0.0
%ile Storage Ratio (RQ%)	0.00	0.03	0.00	0.00	0.00	0.05	0.00	0.00
Initial Q (Qb), veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Final (Residual) Q (Qe), veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sat Delay (ds), s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sat Q (Qs), veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sat Cap (cs), veh/h	0	0	0	0	0	0	0	0
Initial Q Clear Time (tc), h	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Right Lane Group Data								
Assigned Mvmt	0	12	18	0	0	16	0	0
Lane Assignment		R	R					
Lanes in Grp	0	1	2	0	0	0	0	0
Grp Vol (v), veh/h	0	411	448	0	0	0	0	0
Grp Sat Flow (s), veh/h/ln	0	1351	1356	0	0	0	0	0
Q Serve Time (g_s), s	0.0	11.9	14.0	0.0	0.0	0.0	0.0	0.0
Cycle Q Clear Time (g_c), s	0.0	11.9	14.0	0.0	0.0	0.0	0.0	0.0
Prot RT Sat Flow (s_R), veh/h/ln	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Prot RT Eff Green (g_R), s	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Prop RT Outside Lane (P_R)	0.00	1.00	1.00	0.00	0.00	0.00	0.00	0.00
Lane Grp Cap (c), veh/h	0	942	579	0	0	0	0	0
V/C Ratio (X)	0.00	0.44	0.77	0.00	0.00	0.00	0.00	0.00
Avail Cap (c_a), veh/h	0	942	934	0	0	0	0	0
Upstream Filter (I)	0.00	0.76	1.00	0.00	0.00	0.00	0.00	0.00
Uniform Delay (d1), s/veh	0.0	5.9	33.3	0.0	0.0	0.0	0.0	0.0
Incr Delay (d2), s/veh	0.0	1.1	2.3	0.0	0.0	0.0	0.0	0.0
Initial Q Delay (d3), s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Control Delay (d), s/veh	0.0	7.0	35.6	0.0	0.0	0.0	0.0	0.0
1st-Term Q (Q1), veh/ln	0.0	2.1	4.2	0.0	0.0	0.0	0.0	0.0
2nd-Term Q (Q2), veh/ln	0.0	0.3	0.2	0.0	0.0	0.0	0.0	0.0
3rd-Term Q (Q3), veh/ln	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile Back of Q Factor (f_B%)	0.00	1.00	1.00	0.00	0.00	1.00	0.00	0.00
%ile Back of Q (50%), veh/ln	0.0	2.4	4.4	0.0	0.0	0.0	0.0	0.0
%ile Storage Ratio (RQ%)	0.00	0.50	0.40	0.00	0.00	0.00	0.00	0.00
Initial Q (Qb), veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Final (Residual) Q (Qe), veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sat Delay (ds), s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sat Q (Qs), veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sat Cap (cs), veh/h	0	0	0	0	0	0	0	0
Initial Q Clear Time (tc), h	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Intersection Summary	
HCM 6th Ctrl Delay	14.4
HCM 6th LOS	B

Notes

User approved volume balancing among the lanes for turning movement.

Movement	WBL	WBR	NBT	NBR	SBL	SBT
Lane Configurations						
Traffic Volume (veh/h)	248	23	619	148	391	452
Future Volume (veh/h)	248	23	619	148	391	452
Number	3	18	2	12	1	6
Initial Q, veh	0	0	0	0	0	0
Ped-Bike Adj (A_pbT)	1.00	1.00		0.99	1.00	
Parking Bus Adj	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach	No		No			No
Lanes Open During Work Zone						
Adj Sat Flow, veh/h/ln	1600	1600	1870	1600	1600	1870
Adj Flow Rate, veh/h	443	41	764	183	489	565
Peak Hour Factor	0.56	0.56	0.81	0.81	0.80	0.80
Percent Heavy Veh, %	11	11	2	11	11	2
Opposing Right Turn Influence	Yes				Yes	
Cap, veh/h	515	229	1351	512	534	2672
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00
Prop Arrive On Green	0.17	0.17	0.38	0.38	0.35	0.75
Unsig. Movement Delay						
Ln Grp Delay, s/veh	59.8	43.1	31.1	28.6	52.7	4.6
Ln Grp LOS	E	D	C	C	D	A
Approach Vol, veh/h	484		947			1054
Approach Delay, s/veh	58.4		30.6			26.9
Approach LOS	E		C			C

Timer:	1	2	3	4	5	6	7	8
Assigned Phs	1	2	8			6		
Case No	2.0	7.0	9.0			4.0		
Phs Duration (G+Y+Rc), s	46.1	49.6	24.3			95.7		
Change Period (Y+Rc), s	6.0	6.0	4.6			* 6		
Max Green (Gmax), s	47.0	34.0	22.4			* 89		
Max Allow Headway (MAH), s	4.1	4.1	4.1			4.0		
Max Q Clear (g_c+I1), s	38.8	22.4	19.0			7.6		
Green Ext Time (g_e), s	1.3	3.3	0.7			2.5		
Prob of Phs Call (p_c)	1.00	1.00	1.00			1.00		
Prob of Max Out (p_x)	0.21	0.18	1.00			0.00		

Left-Turn Movement Data			
Assigned Mvmt	1	5	3
Mvmt Sat Flow, veh/h	1524	0	3047

Through Movement Data			
Assigned Mvmt		2	8
Mvmt Sat Flow, veh/h		3647	0

Right-Turn Movement Data			
Assigned Mvmt		12	18
Mvmt Sat Flow, veh/h		1347	1356

Left Lane Group Data								
Assigned Mvmt	1	5	3	0	0	0	0	0
Lane Assignment	L (Prot)		L					

Lanes in Grp	1	0	2	0	0	0	0	0
Grp Vol (v), veh/h	489	0	443	0	0	0	0	0
Grp Sat Flow (s), veh/h/ln	1524	0	1524	0	0	0	0	0
Q Serve Time (g_s), s	36.8	0.0	17.0	0.0	0.0	0.0	0.0	0.0
Cycle Q Clear Time (g_c), s	36.8	0.0	17.0	0.0	0.0	0.0	0.0	0.0
Perm LT Sat Flow (s_l), veh/h/ln	0	0	1524	0	0	0	0	0
Shared LT Sat Flow (s_sh), veh/h/ln	0	0	0	0	0	0	0	0
Perm LT Eff Green (g_p), s	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Perm LT Serve Time (g_u), s	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Perm LT Q Serve Time (g_ps), s	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Time to First Blk (g_f), s	0.0	45.6	0.0	0.0	0.0	0.0	0.0	0.0
Serve Time pre Blk (g_fs), s	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Prop LT Inside Lane (P_L)	1.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00
Lane Grp Cap (c), veh/h	534	0	515	0	0	0	0	0
V/C Ratio (X)	0.91	0.00	0.86	0.00	0.00	0.00	0.00	0.00
Avail Cap (c_a), veh/h	622	0	584	0	0	0	0	0
Upstream Filter (I)	0.90	0.00	1.00	0.00	0.00	0.00	0.00	0.00
Uniform Delay (d1), s/veh	37.2	0.0	48.5	0.0	0.0	0.0	0.0	0.0
Incr Delay (d2), s/veh	15.4	0.0	11.3	0.0	0.0	0.0	0.0	0.0
Initial Q Delay (d3), s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Control Delay (d), s/veh	52.7	0.0	59.8	0.0	0.0	0.0	0.0	0.0
1st-Term Q (Q1), veh/ln	12.7	0.0	6.1	0.0	0.0	0.0	0.0	0.0
2nd-Term Q (Q2), veh/ln	2.3	0.0	0.8	0.0	0.0	0.0	0.0	0.0
3rd-Term Q (Q3), veh/ln	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile Back of Q Factor (f_B%)	1.00	1.00	1.00	0.00	0.00	0.00	0.00	0.00
%ile Back of Q (50%), veh/ln	15.0	0.0	6.9	0.0	0.0	0.0	0.0	0.0
%ile Storage Ratio (RQ%)	1.02	0.00	0.19	0.00	0.00	0.00	0.00	0.00
Initial Q (Qb), veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Final (Residual) Q (Qe), veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sat Delay (ds), s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sat Q (Qs), veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sat Cap (cs), veh/h	0	0	0	0	0	0	0	0
Initial Q Clear Time (tc), h	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Middle Lane Group Data								
Assigned Mvmt	0	2	8	0	0	6	0	0
Lane Assignment		T				T		
Lanes in Grp	0	2	0	0	0	2	0	0
Grp Vol (v), veh/h	0	764	0	0	0	565	0	0
Grp Sat Flow (s), veh/h/ln	0	1777	0	0	0	1777	0	0
Q Serve Time (g_s), s	0.0	20.4	0.0	0.0	0.0	5.6	0.0	0.0
Cycle Q Clear Time (g_c), s	0.0	20.4	0.0	0.0	0.0	5.6	0.0	0.0
Lane Grp Cap (c), veh/h	0	1351	0	0	0	2672	0	0
V/C Ratio (X)	0.00	0.57	0.00	0.00	0.00	0.21	0.00	0.00
Avail Cap (c_a), veh/h	0	1351	0	0	0	2672	0	0
Upstream Filter (I)	0.00	1.00	0.00	0.00	0.00	0.90	0.00	0.00
Uniform Delay (d1), s/veh	0.0	29.4	0.0	0.0	0.0	4.4	0.0	0.0
Incr Delay (d2), s/veh	0.0	1.7	0.0	0.0	0.0	0.2	0.0	0.0
Initial Q Delay (d3), s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Control Delay (d), s/veh	0.0	31.1	0.0	0.0	0.0	4.6	0.0	0.0
1st-Term Q (Q1), veh/ln	0.0	8.1	0.0	0.0	0.0	1.4	0.0	0.0
2nd-Term Q (Q2), veh/ln	0.0	0.3	0.0	0.0	0.0	0.1	0.0	0.0

3rd-Term Q (Q3), veh/ln	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile Back of Q Factor (f_B%)	0.00	1.00	1.00	0.00	0.00	1.00	0.00	0.00
%ile Back of Q (50%), veh/ln	0.0	8.4	0.0	0.0	0.0	1.5	0.0	0.0
%ile Storage Ratio (RQ%)	0.00	0.45	0.00	0.00	0.00	0.05	0.00	0.00
Initial Q (Qb), veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Final (Residual) Q (Qe), veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sat Delay (ds), s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sat Q (Qs), veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sat Cap (cs), veh/h	0	0	0	0	0	0	0	0
Initial Q Clear Time (tc), h	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Right Lane Group Data								
Assigned Mvmt	0	12	18	0	0	16	0	0
Lane Assignment		R	R					
Lanes in Grp	0	1	1	0	0	0	0	0
Grp Vol (v), veh/h	0	183	41	0	0	0	0	0
Grp Sat Flow (s), veh/h/ln	0	1347	1356	0	0	0	0	0
Q Serve Time (g_s), s	0.0	11.7	3.1	0.0	0.0	0.0	0.0	0.0
Cycle Q Clear Time (g_c), s	0.0	11.7	3.1	0.0	0.0	0.0	0.0	0.0
Prot RT Sat Flow (s_R), veh/h/ln	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Prot RT Eff Green (g_R), s	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Prop RT Outside Lane (P_R)	0.00	1.00	1.00	0.00	0.00	0.00	0.00	0.00
Lane Grp Cap (c), veh/h	0	512	229	0	0	0	0	0
V/C Ratio (X)	0.00	0.36	0.18	0.00	0.00	0.00	0.00	0.00
Avail Cap (c_a), veh/h	0	512	260	0	0	0	0	0
Upstream Filter (I)	0.00	1.00	1.00	0.00	0.00	0.00	0.00	0.00
Uniform Delay (d1), s/veh	0.0	26.7	42.7	0.0	0.0	0.0	0.0	0.0
Incr Delay (d2), s/veh	0.0	1.9	0.4	0.0	0.0	0.0	0.0	0.0
Initial Q Delay (d3), s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Control Delay (d), s/veh	0.0	28.6	43.1	0.0	0.0	0.0	0.0	0.0
1st-Term Q (Q1), veh/ln	0.0	3.5	1.0	0.0	0.0	0.0	0.0	0.0
2nd-Term Q (Q2), veh/ln	0.0	0.3	0.0	0.0	0.0	0.0	0.0	0.0
3rd-Term Q (Q3), veh/ln	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile Back of Q Factor (f_B%)	0.00	1.00	1.00	0.00	0.00	1.00	0.00	0.00
%ile Back of Q (50%), veh/ln	0.0	3.8	1.0	0.0	0.0	0.0	0.0	0.0
%ile Storage Ratio (RQ%)	0.00	0.57	0.09	0.00	0.00	0.00	0.00	0.00
Initial Q (Qb), veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Final (Residual) Q (Qe), veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sat Delay (ds), s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sat Q (Qs), veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sat Cap (cs), veh/h	0	0	0	0	0	0	0	0
Initial Q Clear Time (tc), h	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Intersection Summary	
HCM 6th Ctrl Delay	34.4
HCM 6th LOS	C

Notes

User approved volume balancing among the lanes for turning movement.

* HCM 6th Edition computational engine requires equal clearance times for the phases crossing the barrier.

Intersection	
Int Delay, s/veh	529

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Vol, veh/h	48	14	9	25	15	526	15	169	14	472	255	75
Future Vol, veh/h	48	14	9	25	15	526	15	169	14	472	255	75
Conflicting Peds, #/hr	0	0	0	0	0	0	5	0	5	5	0	5
Sign Control	Free	Free	Free	Free	Free	Free	Stop	Stop	Stop	Stop	Stop	Stop
RT Channelized	-	-	None	-	-	None	-	-	None	-	-	None
Storage Length	-	-	-	-	-	150	270	-	-	150	-	-
Veh in Median Storage, #	-	0	-	-	0	-	-	0	-	-	0	-
Grade, %	-	0	-	-	0	-	-	0	-	-	0	-
Peak Hour Factor	60	60	60	84	84	84	80	80	80	71	71	71
Heavy Vehicles, %	2	2	2	2	2	2	2	2	2	2	2	2
Mvmt Flow	80	23	15	30	18	626	19	211	18	665	359	106

Major/Minor	Major1			Major2			Minor1			Minor2		
Conflicting Flow All	644	0	0	38	0	0	820	895	36	388	276	23
Stage 1	-	-	-	-	-	-	191	191	-	78	78	-
Stage 2	-	-	-	-	-	-	629	704	-	310	198	-
Critical Hdwy	4.12	-	-	4.12	-	-	7.12	6.52	6.22	7.12	6.52	6.22
Critical Hdwy Stg 1	-	-	-	-	-	-	6.12	5.52	-	6.12	5.52	-
Critical Hdwy Stg 2	-	-	-	-	-	-	6.12	5.52	-	6.12	5.52	-
Follow-up Hdwy	2.218	-	-	2.218	-	-	3.518	4.018	3.318	3.518	4.018	3.318
Pot Cap-1 Maneuver	941	-	-	1572	-	-	294	280	1037	~ 571	632	1054
Stage 1	-	-	-	-	-	-	811	742	-	931	830	-
Stage 2	-	-	-	-	-	-	470	440	-	700	737	-
Platoon blocked, %		-	-		-	-						
Mov Cap-1 Maneuver	941	-	-	1572	-	-	118	247	1033	~ 143	558	1050
Mov Cap-2 Maneuver	-	-	-	-	-	-	118	247	-	~ 143	558	-
Stage 1	-	-	-	-	-	-	740	677	-	850	803	-
Stage 2	-	-	-	-	-	-	225	425	-	~ 430	673	-

Approach	EB	WB	NB	SB
HCM Control Delay, s	6.2	0.3	24.8	233.8
HCM LOS			C	F

Minor Lane/Major Mvmt	NBLn1	NBLn2	NBLn3	EBL	EBT	EBR	WBL	WBT	WBR	SBLn1	SBLn2	SBLn3
Capacity (veh/h)	118	247	277	941	-	-	1572	-	-	143	558	675
HCM Lane V/C Ratio	0.159	0.428	0.444	0.085	-	-	0.019	-	-	4.649	0.322	0.423
HCM Control Delay (s)	41.2	30	28	9.2	0	-	7.3	0	-	$ 1703.6	14.5	14.2
HCM Lane LOS	E	D	D	A	A	-	A	A	-	F	B	B
HCM 95th %tile Q(veh)	0.5	2	2.2	0.3	-	-	0.1	-	-	68.8	1.4	2.1

Notes			
~: Volume exceeds capacity	$: Delay exceeds 300s	+: Computation Not Defined	*: All major volume in platoon

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	48	14	9	25	15	526	15	169	14	472	255	75
Future Volume (veh/h)	48	14	9	25	15	526	15	169	14	472	255	75
Number	7	4	14	3	8	18	5	2	12	1	6	16
Initial Q, veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj (A_pbT)	1.00		1.00	1.00		1.00	1.00		0.99	1.00		0.98
Parking Bus Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach		No			No			No			No	
Lanes Open During Work Zone												
Adj Sat Flow, veh/h/ln	1723	1870	1723	1723	1870	1723	1723	1870	1723	1723	1870	1723
Adj Flow Rate, veh/h	80	23	15	0	0	670	19	211	18	665	359	106
Peak Hour Factor	0.60	0.60	0.60	0.84	0.84	0.84	0.80	0.80	0.80	0.71	0.71	0.71
Percent Heavy Veh, %	2	2	2	2	2	2	2	2	2	2	2	2
Opposing Right Turn Influence	Yes			Yes			Yes			Yes		
Cap, veh/h	210	58	32	0	484	756	592	2233	189	1459	1820	529
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Prop Arrive On Green	0.26	0.26	0.26	0.00	0.00	0.26	0.67	0.67	0.67	0.67	0.67	0.67
Unsig. Movement Delay												
Ln Grp Delay, s/veh	37.8	0.0	0.0	0.0	0.0	50.9	8.8	6.9	7.0	11.7	7.7	7.7
Ln Grp LOS	D	A	A	A	A	D	A	A	A	B	A	A
Approach Vol, veh/h		118			670			248			1130	
Approach Delay, s/veh		37.8			50.9			7.1			10.0	
Approach LOS		D			D			A			B	

Timer:	1	2	3	4	5	6	7	8
Assigned Phs		2		4		6		8
Case No		6.0		8.0		6.0		7.0
Phs Duration (G+Y+Rc), s		84.9		35.1		84.9		35.1
Change Period (Y+Rc), s		4.0		4.0		4.0		4.0
Max Green (Gmax), s		72.0		40.0		72.0		40.0
Max Allow Headway (MAH), s		4.1		5.5		4.6		4.3
Max Q Clear (g_c+I1), s		9.1		13.8		24.7		28.5
Green Ext Time (g_e), s		0.9		0.6		7.1		2.6
Prob of Phs Call (p_c)		1.00		1.00		1.00		1.00
Prob of Max Out (p_x)		0.00		0.00		0.00		0.12

Left-Turn Movement Data								
Assigned Mvmt		5		7		1		3
Mvmt Sat Flow, veh/h		853		615		2053		0

Through Movement Data								
Assigned Mvmt		2		4		6		8
Mvmt Sat Flow, veh/h		3312		226		2698		1870

Right-Turn Movement Data								
Assigned Mvmt		12		14		16		18
Mvmt Sat Flow, veh/h		280		122		784		2920

Left Lane Group Data								
Assigned Mvmt	0	5	0	7	0	1	0	3
Lane Assignment		L		L+T+R		L		

Lanes in Grp	0	1	0	1	0	2	0	0
Grp Vol (v), veh/h	0	19	0	118	0	665	0	0
Grp Sat Flow (s), veh/h/ln	0	853	0	964	0	1027	0	0
Q Serve Time (g_s), s	0.0	1.0	0.0	10.8	0.0	20.0	0.0	0.0
Cycle Q Clear Time (g_c), s	0.0	7.1	0.0	11.8	0.0	22.7	0.0	0.0
Perm LT Sat Flow (s_l), veh/h/ln	0	853	0	779	0	1027	0	0
Shared LT Sat Flow (s_sh), veh/h/ln	0	0	0	0	0	0	0	0
Perm LT Eff Green (g_p), s	0.0	80.9	0.0	31.1	0.0	80.9	0.0	0.0
Perm LT Serve Time (g_u), s	0.0	74.8	0.0	31.1	0.0	78.2	0.0	0.0
Perm LT Q Serve Time (g_ps), s	0.0	1.0	0.0	10.8	0.0	20.0	0.0	0.0
Time to First Blk (g_f), s	0.0	0.0	0.0	1.0	0.0	0.0	0.0	31.1
Serve Time pre Blk (g_fs), s	0.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0
Prop LT Inside Lane (P_L)	0.00	1.00	0.00	0.68	0.00	1.00	0.00	0.00
Lane Grp Cap (c), veh/h	0	592	0	300	0	1459	0	0
V/C Ratio (X)	0.00	0.03	0.00	0.39	0.00	0.46	0.00	0.00
Avail Cap (c_a), veh/h	0	592	0	369	0	1459	0	0
Upstream Filter (I)	0.00	1.00	0.00	1.00	0.00	0.90	0.00	0.00
Uniform Delay (d1), s/veh	0.0	8.7	0.0	37.0	0.0	10.8	0.0	0.0
Incr Delay (d2), s/veh	0.0	0.1	0.0	0.8	0.0	0.9	0.0	0.0
Initial Q Delay (d3), s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Control Delay (d), s/veh	0.0	8.8	0.0	37.8	0.0	11.7	0.0	0.0
1st-Term Q (Q1), veh/ln	0.0	0.2	0.0	2.8	0.0	3.7	0.0	0.0
2nd-Term Q (Q2), veh/ln	0.0	0.0	0.0	0.1	0.0	0.2	0.0	0.0
3rd-Term Q (Q3), veh/ln	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile Back of Q Factor (f_B%)	0.00	1.00	0.00	1.00	0.00	1.00	0.00	1.00
%ile Back of Q (50%), veh/ln	0.0	0.2	0.0	2.8	0.0	3.9	0.0	0.0
%ile Storage Ratio (RQ%)	0.00	0.02	0.00	0.13	0.00	0.67	0.00	0.00
Initial Q (Qb), veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Final (Residual) Q (Qe), veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sat Delay (ds), s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sat Q (Qs), veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sat Cap (cs), veh/h	0	0	0	0	0	0	0	0
Initial Q Clear Time (tc), h	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Middle Lane Group Data								
Assigned Mvmt	0	2	0	4	0	6	0	8
Lane Assignment		T				T		T
Lanes in Grp	0	1	0	0	0	1	0	1
Grp Vol (v), veh/h	0	112	0	0	0	234	0	0
Grp Sat Flow (s), veh/h/ln	0	1777	0	0	0	1777	0	1870
Q Serve Time (g_s), s	0.0	2.6	0.0	0.0	0.0	5.9	0.0	0.0
Cycle Q Clear Time (g_c), s	0.0	2.6	0.0	0.0	0.0	5.9	0.0	0.0
Lane Grp Cap (c), veh/h	0	1198	0	0	0	1198	0	484
V/C Ratio (X)	0.00	0.09	0.00	0.00	0.00	0.20	0.00	0.00
Avail Cap (c_a), veh/h	0	1198	0	0	0	1198	0	623
Upstream Filter (I)	0.00	1.00	0.00	0.00	0.00	0.90	0.00	0.00
Uniform Delay (d1), s/veh	0.0	6.8	0.0	0.0	0.0	7.3	0.0	0.0
Incr Delay (d2), s/veh	0.0	0.2	0.0	0.0	0.0	0.3	0.0	0.0
Initial Q Delay (d3), s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Control Delay (d), s/veh	0.0	6.9	0.0	0.0	0.0	7.7	0.0	0.0
1st-Term Q (Q1), veh/ln	0.0	0.8	0.0	0.0	0.0	1.8	0.0	0.0
2nd-Term Q (Q2), veh/ln	0.0	0.1	0.0	0.0	0.0	0.1	0.0	0.0

3rd-Term Q (Q3), veh/ln	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile Back of Q Factor (f_B%)	0.00	1.00	0.00	1.00	0.00	1.00	0.00	1.00
%ile Back of Q (50%), veh/ln	0.0	0.9	0.0	0.0	0.0	2.0	0.0	0.0
%ile Storage Ratio (RQ%)	0.00	0.01	0.00	0.00	0.00	0.10	0.00	0.00
Initial Q (Qb), veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Final (Residual) Q (Qe), veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sat Delay (ds), s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sat Q (Qs), veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sat Cap (cs), veh/h	0	0	0	0	0	0	0	0
Initial Q Clear Time (tc), h	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Right Lane Group Data								
Assigned Mvmt	0	12	0	14	0	16	0	18
Lane Assignment		T+R				T+R		R
Lanes in Grp	0	1	0	0	0	1	0	2
Grp Vol (v), veh/h	0	117	0	0	0	231	0	670
Grp Sat Flow (s), veh/h/ln	0	1815	0	0	0	1706	0	1460
Q Serve Time (g_s), s	0.0	2.7	0.0	0.0	0.0	6.1	0.0	26.5
Cycle Q Clear Time (g_c), s	0.0	2.7	0.0	0.0	0.0	6.1	0.0	26.5
Prot RT Sat Flow (s_R), veh/h/ln	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Prot RT Eff Green (g_R), s	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Prop RT Outside Lane (P_R)	0.00	0.15	0.00	0.13	0.00	0.46	0.00	1.00
Lane Grp Cap (c), veh/h	0	1224	0	0	0	1150	0	756
V/C Ratio (X)	0.00	0.10	0.00	0.00	0.00	0.20	0.00	0.89
Avail Cap (c_a), veh/h	0	1224	0	0	0	1150	0	973
Upstream Filter (I)	0.00	1.00	0.00	0.00	0.00	0.90	0.00	1.00
Uniform Delay (d1), s/veh	0.0	6.8	0.0	0.0	0.0	7.4	0.0	42.8
Incr Delay (d2), s/veh	0.0	0.2	0.0	0.0	0.0	0.4	0.0	8.2
Initial Q Delay (d3), s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Control Delay (d), s/veh	0.0	7.0	0.0	0.0	0.0	7.7	0.0	50.9
1st-Term Q (Q1), veh/ln	0.0	0.8	0.0	0.0	0.0	1.8	0.0	9.0
2nd-Term Q (Q2), veh/ln	0.0	0.1	0.0	0.0	0.0	0.1	0.0	0.9
3rd-Term Q (Q3), veh/ln	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile Back of Q Factor (f_B%)	0.00	1.00	0.00	1.00	0.00	1.00	0.00	1.00
%ile Back of Q (50%), veh/ln	0.0	0.9	0.0	0.0	0.0	1.9	0.0	9.9
%ile Storage Ratio (RQ%)	0.00	0.01	0.00	0.00	0.00	0.10	0.00	1.67
Initial Q (Qb), veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Final (Residual) Q (Qe), veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sat Delay (ds), s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sat Q (Qs), veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sat Cap (cs), veh/h	0	0	0	0	0	0	0	0
Initial Q Clear Time (tc), h	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Intersection Summary	
HCM 6th Ctrl Delay	23.9
HCM 6th LOS	C

Notes

User approved volume balancing among the lanes for turning movement.

Metro Traffic Data Inc.
310 N. Irwin Street - Suite 20
Hanford, CA 93230

800-975-6938 Phone/Fax
www.metrotrafficdata.com

Turning Movement Report

Prepared For:
Ruettgers & Schuler Civil Engineers
1800 30th St, Ste 260
Bakersfield, CA 93301

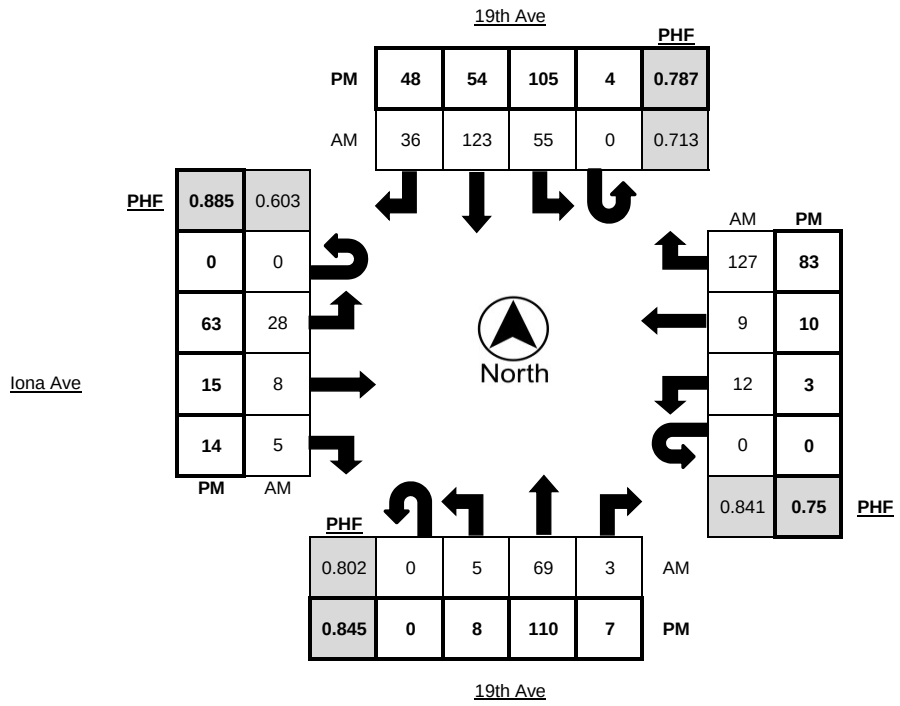
LOCATION 19th Ave @ Iona Ave
LATITUDE 36.2837
COUNTY Kings
LONGITUDE -119.7989
COLLECTION DATE Thursday, March 16, 2023
WEATHER Clear

	Northbound					Southbound					Eastbound					Westbound				
Time	**U-Turn**	**Left**	**Thru**	**Right**	**Trucks**	**U-Turn**	**Left**	**Thru**	**Right**	**Trucks**	**U-Turn**	**Left**	**Thru**	**Right**	**Trucks**	**U-Turn**	**Left**	**Thru**	**Right**	**Trucks**
6:00 AM - 6:15 AM	0	0	4	1	1	0	4	11	8	0	0	4	0	2	0	0	0	2	9	2
6:15 AM - 6:30 AM	0	0	6	0	0	0	5	19	11	2	0	4	0	0	0	0	0	1	10	5
6:30 AM - 6:45 AM	0	0	8	0	0	0	5	19	6	1	0	8	0	2	2	0	1	2	21	7
6:45 AM - 7:00 AM	0	3	5	0	0	0	13	38	12	4	0	4	1	0	0	0	1	1	12	4
7:00 AM - 7:15 AM	0	1	11	0	1	0	8	21	5	3	0	3	2	2	0	0	2	1	19	0
7:15 AM - 7:30 AM	0	1	17	2	0	0	12	25	7	6	0	6	0	0	0	0	4	2	35	4
7:30 AM - 7:45 AM	0	2	18	1	1	0	13	37	11	3	0	12	4	1	0	0	2	2	37	2
7:45 AM - 8:00 AM	0	1	23	0	2	0	22	40	13	2	0	7	2	2	0	0	4	4	36	3
TOTAL	**0**	**8**	**92**	**4**	**5**	**0**	**82**	**210**	**73**	**21**	**0**	**48**	**9**	**9**	**2**	**0**	**14**	**15**	**179**	**27**

	Northbound					Southbound					Eastbound					Westbound				
Time	**U-Turn**	**Left**	**Thru**	**Right**	**Trucks**	**U-Turn**	**Left**	**Thru**	**Right**	**Trucks**	**U-Turn**	**Left**	**Thru**	**Right**	**Trucks**	**U-Turn**	**Left**	**Thru**	**Right**	**Trucks**
4:00 PM - 4:15 PM	0	3	29	4	1	0	27	15	16	3	0	13	5	3	0	0	3	5	14	0
4:15 PM - 4:30 PM	0	2	23	1	0	0	26	12	14	2	0	17	4	5	1	0	0	3	29	0
4:30 PM - 4:45 PM	0	3	33	1	1	1	15	11	9	2	0	15	3	2	0	0	1	2	16	1
4:45 PM - 5:00 PM	0	2	21	2	0	1	33	11	11	4	0	15	1	4	0	0	2	3	17	1
5:00 PM - 5:15 PM	0	1	33	3	1	2	31	20	14	2	0	16	7	3	0	0	0	2	21	0
5:15 PM - 5:30 PM	0	7	12	0	0	0	33	6	12	5	0	7	6	8	1	0	2	4	9	0
5:30 PM - 5:45 PM	0	0	11	0	0	1	15	25	9	1	0	2	6	4	0	0	1	2	12	1
5:45 PM - 6:00 PM	0	1	18	1	1	0	20	15	8	3	0	7	2	2	0	0	1	2	5	0
TOTAL	**0**	**19**	**180**	**12**	**4**	**5**	**200**	**115**	**93**	**22**	**0**	**92**	**34**	**31**	**2**	**0**	**10**	**23**	**123**	**3**

	Northbound					Southbound					Eastbound					Westbound				
PEAK HOUR	**U-Turn**	**Left**	**Thru**	**Right**	**Trucks**	**U-Turn**	**Left**	**Thru**	**Right**	**Trucks**	**U-Turn**	**Left**	**Thru**	**Right**	**Trucks**	**U-Turn**	**Left**	**Thru**	**Right**	**Trucks**
7:00 AM - 8:00 AM	0	5	69	3	4	0	55	123	36	14	0	28	8	5	0	0	12	9	127	9
4:15 PM - 5:15 PM	0	8	110	7	2	4	105	54	48	10	0	63	15	14	1	0	3	10	83	2

	PHF	Trucks
AM	0.779	5.6%
PM	0.856	2.9%



Metro Traffic Data Inc.
310 N. Irwin Street - Suite 20
Hanford, CA 93230

800-975-6938 Phone/Fax
www.metrotrafficdata.com

Turning Movement Report

Prepared For:
Ruettgers & Schuler Civil Engineers
1800 30th St, Ste 260
Bakersfield, CA 93301

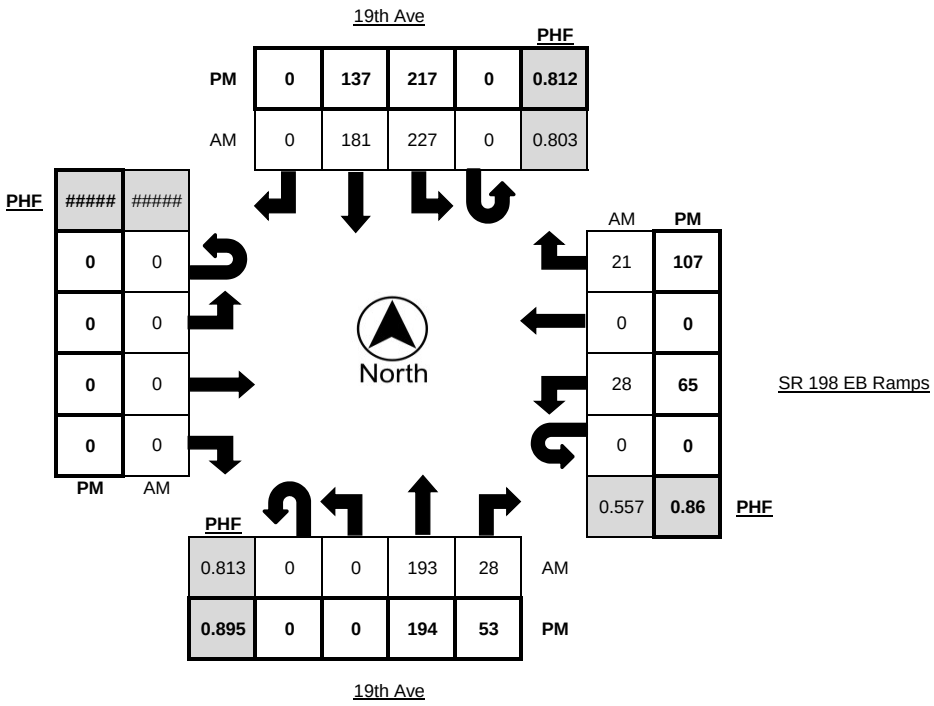
LOCATION 19th Ave @ SR198 EB Ramps
LATITUDE 36.2852
COUNTY Kings
LONGITUDE -119.7989
COLLECTION DATE Thursday, March 16, 2023
WEATHER Clear

	Northbound					Southbound					Eastbound					Westbound				
Time	**U-Turn**	**Left**	**Thru**	**Right**	**Trucks**	**U-Turn**	**Left**	**Thru**	**Right**	**Trucks**	**U-Turn**	**Left**	**Thru**	**Right**	**Trucks**	**U-Turn**	**Left**	**Thru**	**Right**	**Trucks**
6:00 AM - 6:15 AM	0	0	12	4	3	0	15	18	0	0	0	0	0	0	0	0	5	0	3	0
6:15 AM - 6:30 AM	0	0	10	10	5	0	25	27	0	0	0	0	0	0	0	0	8	0	3	2
6:30 AM - 6:45 AM	0	0	29	1	6	0	22	20	0	0	0	0	0	0	0	0	7	0	5	3
6:45 AM - 7:00 AM	0	0	18	3	3	0	30	55	0	1	0	0	0	0	0	0	8	0	5	3
7:00 AM - 7:15 AM	0	0	31	4	1	0	31	29	0	1	0	0	0	0	0	0	5	0	2	1
7:15 AM - 7:30 AM	0	0	46	7	4	0	61	36	0	1	0	0	0	0	0	0	6	0	1	4
7:30 AM - 7:45 AM	0	0	56	9	3	0	76	51	0	1	0	0	0	0	0	0	7	0	6	1
7:45 AM - 8:00 AM	0	0	60	8	3	0	59	65	0	4	0	0	0	0	0	0	10	0	12	0
TOTAL	**0**	**0**	**262**	**46**	**28**	**0**	**319**	**301**	**0**	**8**	**0**	**0**	**0**	**0**	**0**	**0**	**56**	**0**	**37**	**14**

	Northbound					Southbound					Eastbound					Westbound				
Time	**U-Turn**	**Left**	**Thru**	**Right**	**Trucks**	**U-Turn**	**Left**	**Thru**	**Right**	**Trucks**	**U-Turn**	**Left**	**Thru**	**Right**	**Trucks**	**U-Turn**	**Left**	**Thru**	**Right**	**Trucks**
4:00 PM - 4:15 PM	0	0	45	12	0	0	65	44	0	1	0	0	0	0	0	0	16	0	30	3
4:15 PM - 4:30 PM	0	0	51	18	1	0	54	29	0	1	0	0	0	0	0	0	21	0	24	3
4:30 PM - 4:45 PM	0	0	43	17	2	0	51	29	0	0	0	0	0	0	0	0	7	0	24	2
4:45 PM - 5:00 PM	0	0	55	6	0	0	47	35	0	0	0	0	0	0	0	0	21	0	29	2
5:00 PM - 5:15 PM	0	0	59	10	1	0	45	47	0	4	0	0	0	0	0	0	18	0	27	2
5:15 PM - 5:30 PM	0	0	21	8	0	0	49	38	0	1	0	0	0	0	0	0	12	0	14	1
5:30 PM - 5:45 PM	0	0	21	6	0	0	53	47	0	1	0	0	0	0	0	0	3	0	17	0
5:45 PM - 6:00 PM	0	0	22	8	1	0	46	38	0	0	0	0	0	0	0	0	4	0	9	1
TOTAL	**0**	**0**	**317**	**85**	**5**	**0**	**410**	**307**	**0**	**8**	**0**	**0**	**0**	**0**	**0**	**0**	**102**	**0**	**174**	**14**

	Northbound					Southbound					Eastbound					Westbound				
PEAK HOUR	**U-Turn**	**Left**	**Thru**	**Right**	**Trucks**	**U-Turn**	**Left**	**Thru**	**Right**	**Trucks**	**U-Turn**	**Left**	**Thru**	**Right**	**Trucks**	**U-Turn**	**Left**	**Thru**	**Right**	**Trucks**
7:00 AM - 8:00 AM	0	0	193	28	11	0	227	181	0	7	0	0	0	0	0	0	28	0	21	6
4:00 PM - 5:00 PM	0	0	194	53	3	0	217	137	0	2	0	0	0	0	0	0	65	0	107	10

	PHF	Trucks
AM	0.792	3.5%
PM	0.912	1.9%



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	Northbound					Southbound					Eastbound					Westbound				
Time	**U-Turn**	**Left**	**Thru**	**Right**	**Trucks**	**U-Turn**	**Left**	**Thru**	**Right**	**Trucks**	**U-Turn**	**Left**	**Thru**	**Right**	**Trucks**	**U-Turn**	**Left**	**Thru**	**Right**	**Trucks**
6:00 AM - 6:15 AM	0	0	7	10	2	0	26	26	0	0	0	0	0	0	0	0	4	0	15	0
6:15 AM - 6:30 AM	0	0	5	9	1	0	26	44	0	0	0	0	0	0	0	0	8	0	11	0
6:30 AM - 6:45 AM	0	0	14	21	8	0	25	34	0	0	0	0	0	0	0	0	10	0	14	0
6:45 AM - 7:00 AM	0	0	13	13	6	0	14	68	0	0	0	0	0	0	0	1	17	0	13	1
7:00 AM - 7:15 AM	0	0	24	9	0	0	24	60	0	1	0	0	0	0	0	0	5	0	27	1
7:15 AM - 7:30 AM	0	0	27	21	2	0	33	85	0	2	0	0	0	0	0	0	5	0	30	1
7:30 AM - 7:45 AM	0	0	40	23	2	0	12	118	0	0	0	0	0	0	0	0	13	0	31	3
7:45 AM - 8:00 AM	0	0	58	15	1	0	5	111	0	2	0	0	0	0	0	0	18	0	48	2
TOTAL	**0**	**0**	**188**	**121**	**22**	**0**	**165**	**546**	**0**	**5**	**0**	**0**	**0**	**0**	**0**	**1**	**80**	**0**	**189**	**8**

	Northbound					Southbound					Eastbound					Westbound				
Time	**U-Turn**	**Left**	**Thru**	**Right**	**Trucks**	**U-Turn**	**Left**	**Thru**	**Right**	**Trucks**	**U-Turn**	**Left**	**Thru**	**Right**	**Trucks**	**U-Turn**	**Left**	**Thru**	**Right**	**Trucks**
4:00 PM - 4:15 PM	0	0	66	10	1	0	8	96	0	0	0	0	0	0	0	0	12	0	57	2
4:15 PM - 4:30 PM	0	0	62	14	2	0	2	73	0	1	0	0	0	0	0	0	7	0	60	0
4:30 PM - 4:45 PM	0	0	59	9	2	0	3	76	0	0	0	0	0	0	0	0	5	0	51	0
4:45 PM - 5:00 PM	0	0	73	10	0	0	3	81	0	0	0	0	0	0	0	1	6	0	52	0
5:00 PM - 5:15 PM	0	0	83	3	1	0	8	77	0	0	0	0	0	0	0	0	9	0	65	0
5:15 PM - 5:30 PM	0	0	35	2	0	0	3	85	0	4	0	0	0	0	0	0	2	0	69	0
5:30 PM - 5:45 PM	0	0	36	3	0	0	5	88	0	0	0	0	0	0	0	0	13	0	68	2
5:45 PM - 6:00 PM	0	0	26	5	1	0	4	72	0	1	0	0	0	0	0	0	10	0	57	0
TOTAL	**0**	**0**	**440**	**56**	**7**	**0**	**36**	**648**	**0**	**6**	**0**	**0**	**0**	**0**	**0**	**1**	**64**	**0**	**479**	**4**

	Northbound					Southbound					Eastbound					Westbound				
PEAK HOUR	**U-Turn**	**Left**	**Thru**	**Right**	**Trucks**	**U-Turn**	**Left**	**Thru**	**Right**	**Trucks**	**U-Turn**	**Left**	**Thru**	**Right**	**Trucks**	**U-Turn**	**Left**	**Thru**	**Right**	**Trucks**
7:00 AM - 8:00 AM	0	0	149	68	5	0	74	374	0	5	0	0	0	0	0	0	41	0	136	7
4:00 PM - 5:00 PM	0	0	260	43	5	0	16	326	0	1	0	0	0	0	0	1	30	0	220	2

	PHF	Trucks
AM	0.825	2.0%
PM	0.900	0.9%