INITIAL STUDY/MITIGATED NEGATIVE DECLARATION

TENTATIVE SUBDIVISION MAP NO. 2025-05



SEPTEMBER 2026

INITIAL STUDY/MITIGATED NEGATIVE DECLARATION

TENTATIVE SUBDIVISION MAP NO. 2025-05

Prepared for:

Will Tackett
City of Madera- Planning
205 West 4th Street Madera, CA 93637
Phone: (559) 661-5451

Consultant:

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

September 2026

Project #260017

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

This is to advise that the City of Madera has prepared a Mitigated Negative Declaration for the Project identified below that is scheduled to be held at the Planning Commission of the City of Madera meeting on **November 10, 2026**.

PLEASE BE ADVISED that the Planning Commission of the City of Madera will consider a recommendation to adopt the Mitigated Negative Declaration at its meeting to be held on **November 10, 2026**. The meeting will be held at 6:00 p.m. in the Council Chambers at Madera City Hall, located at 205 W. 4th Street, Madera, CA 93637.

Project Name

Tentative Subdivision Map No. 2025-05 (TSM 2025-05)

Project Location

The Project site is located in the southeast City of Madera (City) at 1171 East Pecan Avenue, which is bounded by East Pecan Avenue (also called Avenue 13) to the south and Apricot Lane to the west; approximately 0.25 miles west of State Route (SR) 99. The Project site consists of an approximately 5.37-acre parcel (Assessor's Parcel Number (APN) 012-500-021), and within Section 30, Township 11S, Range 18E, Mount Diablo Base and Meridian (MDB&M), of the Madera U.S. Geological Survey (USGS) Quad Map.

Project Description

TSM 2025-05 will subdivide the subject property into 33 medium density single-family residential lots and two outlots. Outlot A is 3,951 square feet (sq ft) dedicated to landscaping and utilities and Outlot B is 564 sq ft dedicated to landscaping and open spaces. Lot sizes range from approximately 3,400 sq ft to 6,500 sq ft. The Project includes on- and off-site improvements such as interior local streets, curbs, gutters, sidewalks, streetlights, open spaces, landscaping, sewer water, and storm drain connections. All streets are to be offered for dedication for public street purposes. All residential units will be equipped with photovoltaic (PV) solar panels, utilize all electric appliances, and will be EV-ready (pre-wired during construction to allow for installation of EV residential charger in the future). Water, sewer, and storm drainage will be provided by the City of Madera.

Discretionary/Entitlement Actions

The following discretionary/entitlement actions are required for the Project:

- General Plan Amendment (GPA 2025-01): from Very Low Density (VLD) Residential designation to a Medium Density (MD) Residential designation

- Zone Change (REZ 2026-05): from Residential Area (RA) (density of one unit/12,000 sq ft) to the Residential Districts Planned Development (PD) (3000) zone district (density of one unit/3,000 sq ft)
- Tentative Subdivision Map No. 2025-05 (TSM 2025-05)
- Precise Plan (PD) 2025-03

Construction

An existing house, garage, shed, and fence will be demolished prior to construction. The existing private well and any septic sewage disposal system will be abandoned per Madera County Environmental Health Division standards prior to construction.

Construction of the residential development would occur over an estimated 18 to 24 months. It is anticipated that the following pieces of equipment would be used during construction activities:

- Roller
- Loaded trucks
- Excavator
- Bulldozer
- Scraper
- Generator
- Service truck
- Air compressor

The document and documents referenced in the Initial Study/Mitigated Negative Declaration are available for review at the Planning Department counter, located at Madera City Hall, 205 W 4th Street, Madera, CA, 93637, Monday through Friday, 8:00 a.m. - 5:00 p.m., and at the website:

https://www.madera.gov/business-building-development/planning/current-projects-environmental-review/

As mandated by the California Environmental Quality Act (CEQA), the public review period for this document will be 30 days (CEQA Section 15073[b]). The public review period begins on **September 23, 2026, and ends on October 24, 2026**. For further information, please contact Will Tackett, Director of Community Development, (559) 661-5451 and wtackett@madera.gov .

TABLE OF CONTENTS

Mitigated Negative Declaration *1*

SECTION 1 - Introduction *1-1*

1.1 - Overview 1-1
1.2 - California Environmental Quality Act 1-1
1.3 - Impact Terminology 1-1
1.4 - Document Organization and Contents 1-2
1.5 - Regulation Incorporated by Reference 1-2

SECTION 2 - Project Description *2-1*

2.1 - Introduction/Background 2-1
2.2 - Project Location 2-1
2.3 - Surrounding Land Uses 2-1
2.4 - Proposed Project 2-1

SECTION 3 - Initial Study *3-1*

3.1 - Environmental Checklist 3-1
3.2 - Environmental Factors Potentially Affected 3-5
3.3 - Determination 3-5
3.4 - Evaluation of Environmental Impacts 3-7
- 3.4.1 - Aesthetics 3-9
- 3.4.2 - Agriculture and Forestry Resources 3-12
- 3.4.3 - Air Quality 3-15
- 3.4.4 - Biological Resources 3-25
- 3.4.5 - Cultural resources 3-41
- 3.4.6 - Energy 3-44
- 3.4.7 - Geology and Soils 3-48
- 3.4.8 - Greenhouse Gas Emissions 3-54
- 3.4.9 - Hazards and Hazardous Materials 3-57
- 3.4.10 - Hydrology and Water Quality 3-65
- 3.4.11 - Land Use and Planning 3-72
- 3.4.12 - Mineral Resources 3-74
- 3.4.13 - Noise 3-76
- 3.4.14 - Population and Housing 3-81
- 3.4.15 - Public Services 3-83
- 3.4.16 - Recreation 3-88
- 3.4.17 - Transportation 3-90
- 3.4.18 - Tribal Cultural Resources 3-97
- 3.4.19 - Utilities and Service Systems 3-99

3.4.20 - Wildfire 3-104
3.4.21 - Mandatory Findings of Significance 3-107

SECTION 4 - Mitigation, Monitoring and Reporting Plan 4-1

SECTION 5 - List of Preparers 5-1

SECTION 6 - References 6-1

LIST OF FIGURES

Figure 2-1 Regional Location 2-3
Figure 2-2 Project Site 2-4
Figure 2-3 Existing Land Use Designation 2-5
Figure 2-4 Proposed Land Use Designation 2-6
Figure 2-5 Existing Zone District 2-7
Figure 2-6 Proposed Zone District 2-8
Figure 2-7 Tentative Subdivision Map No. 2025-05 2-9
Figure 3.4.17-1 VMT Screening Map 3-94

LIST OF TABLES

Table 3.4.3-1 Federal and California Air Quality Standards 3-16
Table 3.4.3-2 Small Project Analysis Level for Residential Projects 3-17
Table 3.4.3-3 SJVAPCD CEQA Thresholds of Significance 3-18
Table 3.4.3-4 Project Construction Emissions 3-18
Table 3.4.3-5 Operational Emissions (Post-Construction) 3-19
Table 3.4.3-6 Thresholds of Significance for Toxic Air Contaminants 3-21
Table 3.4.3-7 Potential Maximum Impacts Predicted by HARP 3-22
Table 3.4.4-1 Federal and State Listed, Proposed, and Candidate Plant and Wildlife Species Evaluated for Their Potential to Occur within the Project Area 3-26
Table 3.4.8-1 Estimated Annual GHG Emissions (MT/Year) 3-54
Table 3.4.13-1 Typical Construction Equipment Vibration Source Levels 3-79
Table 3.4.15-1 Schools in Project Vicinity 3-85

LIST OF APPENDICES

Appendix A: Small Project Analysis Level (SPAL)
Appendix B: Cultural Resources Technical Memorandum
Appendix C: Phase 1 – Environmental Site Assessment
Appendix D: Water Consumption Memorandum
Appendix E: Trip Generation Memorandum
Appendix F: Acoustical Analysis

MITIGATED NEGATIVE DECLARATION

As Lead Agency under the California Environmental Quality Act (CEQA), the City of Madera 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

Tentative Subdivision Map No. 2025-05 (TSM 2025-05)

Project Location

The Project site is located in the southeast City of Madera (City) at 1171 East Pecan Avenue, which is bounded by East Pecan Avenue (also called Avenue 13) to the south and Apricot Lane to the west; approximately 0.25 miles west of State Route (SR) 99. The Project site consists of an approximately 5.37-acre parcel (Assessor's Parcel Number (APN) 012-500-021), and within Section 30, Township 11S, Range 18E, Mount Diablo Base and Meridian (MDB&M), of the Madera U.S. Geological Survey (USGS) Quad Map.

Project Description

TSM 2025-05 will subdivide the subject property into 33 medium density single-family residential lots and two outlots. Outlot A is 3,951 sq ft dedicated to landscaping and utilities and Outlot B is 564 sq ft dedicated to landscaping and open spaces. Lot sizes range from approximately 3,400 sq ft to 6,500 sq ft. The Project includes on- and off-site improvements such as interior local streets, curbs, gutters, sidewalks, streetlights, open spaces, landscaping, sewer water and storm drain connections. All streets are to be offered for dedication for public street purposes. All residential units will be equipped with photovoltaic (PV) solar panels, utilize all electric appliances, and will be EV-ready (pre-wired during construction to allow for installation of EV residential charger in the future). Water, sewer, and storm drainage will be provided by the City of Madera.

Discretionary/Entitlement Actions

The following discretionary/entitlement actions are required for the Project:

- General Plan Amendment (GPA 2025-01): from Very Low Density (VLD) Residential designation to a Medium Density (MD) Residential designation
- Zone Change (REZ 2026-01): from Residential Area (RA) (density of one unit/12,000 sq ft) to the Residential Districts Planned Development (PD) (3000) zone district (density of one unit/3,000 sq ft)

- Tentative Subdivision Map No. 2025-05 (TSM 2025-05)
- Precise Plan (PD) 2025-03

Construction

An existing house, garage, shed, and fence will be demolished prior to construction. The existing private well and any septic sewage disposal system will be abandoned per Madera County Environmental Health Division standards prior to construction.

Construction of the residential development would occur over an estimated 18 to 24 months. It is anticipated that the following pieces of equipment would be used during construction activities:

- Roller
- Loaded trucks
- Excavator
- Bulldozer
- Scraper
- Generator
- Service truck
- Air compressor

Mailing Address and Phone Number of Contact Person

City of Madera
205 W. 4th St.
Madera, California 93638
Will Tackett – Director of Community Development
(559) 661-5451
wtackett@madera.gov

Findings

As Lead Agency, the City of Madera finds that the Project will not have a significant adverse 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

BIO-1: Within 14 days prior to the start of Project ground-disturbing activities, a pre-construction survey shall be conducted by a qualified biologist knowledgeable in the identification of special-status species known to occur in the region. Special focus for special-status species surveys will include: Swainson's hawk, American badger, western burrowing owl, nesting migratory birds and raptors, and Crotch's bumble bee. If no special status species or their sign (burrows, nests, tracks, scat, etc.) are observed during the survey, no further action is required. A copy of the pre-construction survey report shall be submitted to the lead agency prior to the start of construction.

BIO-2: Within 14 days prior to the start of Project ground-disturbing activities, a pre-construction activity survey with a 250-foot buffer where land access is permitted should be conducted by a qualified biologist knowledgeable in the identification of this species and approved by the CDFW. Surveys need not be conducted for all areas at one time; they may be phased so that surveys occur within 14 days of the portion of the Project Site that will be disturbed. If dens/burrows that could support any of these species are discovered during the pre-activity survey (BIO-1), the avoidance buffers outlined below should be established.

If burrows that could support the burrowing owl species are discovered during the pre-construction clearance survey conducted under MM BIO-1, the avoidance buffers outlined below shall be established, and burrow monitoring shall be conducted in accordance with the California Department of Fish and Game (CDFG) *Staff Report on Burrowing Owl Mitigation* (CDFG, 2012). No work would occur within these buffers. If occupied burrowing owl burrows cannot be avoided by the appropriate buffer below, an Incidental Take Permit (ITP) issued by the CDFW under the California Endangered Species Act (CESA) to authorize "take" that is incidental to an otherwise lawful activity, may be required before any work within the buffer.

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

If any of these species is found and avoidance is not possible, consultation with CDFW shall be initiated. CDFW may allow burrow exclusion by a qualified biologist and only during the non-breeding season, before breeding behavior is exhibited, and after the burrow is confirmed empty through non-invasive methods, such as surveillance. An Incidental Take Permit may be required by CDFW prior to any exclusion activity being completed. Copies of communications and consultation with CDFW shall be provided to the lead agency.

BIO-3: A qualified biologist should remain on-call throughout the construction phase if a western burrowing owl, Crotch's bumble bee, or American badger occurs on the site during construction. If one of these species occurs on-site, all construction activity should stop in the affected area until the animal leaves of its own volition. The special-status species should be avoided by construction activities and construction workers and allowed to leave the Project site without harassment. The biologist should be contacted immediately to determine whether biological monitoring or the implementation of avoidance buffers may be warranted.

BIO-4: A preconstruction survey for Swainson's hawk and other migratory nesting birds shall be conducted 14-30 days prior to Project construction activities to verify if special-status or sensitive bird species are present within 500 feet of the Project. A report outlining the results of the survey shall be prepared and submitted to the lead agency as evidence of compliance.

BIO-5: If construction activities occur between February 1 and September 15, pre-disturbance surveys for active raptor and migratory bird nests shall be conducted no more than 10 days prior to the commencement of disturbance. Surveys shall follow USFWS and CDFW guidance and/or protocols, as applicable. If no active nests or nesting birds are identified, then Project construction activities may proceed, and no further mitigation measures for nesting birds are required. If active nest(s) are identified, the active nest(s) should be continuously surveyed for the first 24 hours after detection to establish a behavioral baseline prior to any construction-related activities.

Once construction commences, all nests shall be continuously monitored to detect any behavioral changes because of the Project (i.e., nest avoidance or abandonment). If behavioral changes are observed, the work causing that change shall cease until the qualified biologist consults with the CDFW and/or the USFWS and the qualified biologist implements the recommended measures. During such times as the qualified biological monitor is not on site while construction workers are on site, a minimum non-disturbance buffer of 250 feet shall be established around active nests and a 500-foot no-disturbance buffer around the nests of raptors until the breeding season has ended or until a qualified biologist has determined that the birds have fledged and are no longer reliant upon the nest or parental care for survival, and any adult birds are no longer occupying the nest. Deviations from these no-disturbance buffers may be implemented if the qualified biologist concludes that work within the buffer area would not cause nest avoidance or abandonment (e.g., when the disturbance area would be concealed from a nest site by topography) provided that notification of this determination of a deviation in the no-disturbance buffer is provided by the qualified biologist no less than 15 days in advance to CDFW and the United States Fish and Wildlife Service.

BIO-6: If an active raptor nest is identified, and when construction activities occur within the avoidance buffer of the nest, a qualified biologist shall conduct a daily site visit to observe all construction-related activities and or activity near an active nest. If construction activities are not occurring within the avoidance buffer of a nest, these resources shall be checked during a weekly site visit to observe activity. The qualified biologist shall be familiar with all

potential species and their sign (i.e., tracks, scat, etc.) that have the potential to occur within the proposed Project site. The qualified biologist shall prepare a daily datasheet to record all construction-related activities that occurred and activity at an active nest and document the progress of the Project with photographs. Copies of daily datasheets and photographs shall be submitted to the lead agency as evidence of compliance.

BIO-7: If construction work occurs after August 30 and ends before March 1 (outside of the breeding season), impacts to the Swainson's hawk would be avoided. Surveys would not be required for work conducted during this part of the year, and no further mitigation for nest disturbance is required.

a. *Protocol Surveys*. For work that begins between March 1 and August 30, a qualified biologist with expertise in Swainson's hawk shall conduct protocol surveys of potential nesting habitat within 0.5 miles of any construction activities prior to initiation of such activities. The Project proponent shall conduct a protocol-level survey in conformance with the "Recommended Timing and Methodology for Swainson's Hawk Nesting Surveys in California's Central Valley," Swainson's Hawk Technical Advisory Committee (TAC) (https://www.wildlife.ca.gov/conservation/survey-protocols#377281284-birds) (May 31, 2000), which is hereby incorporated by reference. This protocol prescribes minimum standards for survey equipment, mode of survey, angle and distance to tree, speed, visual and audible clues, distractions, notes and observations, and timing of surveys.

   A written report with the pre-construction survey results shall be provided to the lead agency and CDFW within 30 days of the commencement of construction-related activities. The report shall include: the date of the report, authors and affiliations, contact information, introduction, methods, study location, including a map, results, discussion, and literature cited.

   If the required protocol surveys show there are no active Swainson's hawk nests within 0.5 miles of construction activities, then no further mitigation for nest disturbance shall be required. If protocol surveys show that there are no active Swainson's hawk nests within 10 miles of the site, then no further mitigation for foraging impacts shall be required.

b. *Nest Avoidance*. If nesting Swainson's hawks are observed within 0.5 miles of the Project site during the protocol surveys, the Project proponent shall implement CDFW pre-approved mitigation measures to avoid nest impacts during construction. These measures include:

   - All Project-related activities with the potential to cause nest abandonment or forced fledging of young shall be avoided until the young have fledged.
   - If disturbances, habitat conversions, or other Project-related activities that may cause nest abandonment or forced fledging are necessary, within the nest protection buffer zone (0.5-mile), monitoring of the nest site by a qualified raptor

biologist, funded by the Project proponent, shall be required to determine if the nest is abandoned. If the nest is abandoned, but the nestlings are still alive, the Project developer /contractor is required to fund the recovery and hacking, that is, the controlled release of captive-reared young of the nestling.

- The Project proponent shall be required to coordinate with CDFW to determine if Project activities with the potential to cause disturbance to nesting Swainson's hawks within the 0.5-mile buffer may proceed with a reduced nest buffer and an approved biological monitor. CDFW may authorize a reduced nest buffer with the presence of a monitoring biologist during construction activities to ensure that the nest is not disturbed. Routine disturbances such as agricultural activities, commuter traffic, and routine maintenance activities within 0.5 miles of an active nest are not prohibited.

BIO-8: Prior to the initiation of construction activities, all construction personnel shall attend a Worker Environmental Awareness Training program developed by a qualified biologist. Any personnel associated with construction that did not attend the initial training shall be trained by the authorized biologist or authorized construction personnel prior to working within the Project site. Any employee responsible for the operations, maintenance, or decommissioning of Project facilities shall attend the Worker Environmental Awareness Training program prior to starting work on the Project. All on-site workers shall attend training on an annual basis. The Program shall be developed and presented by the Project qualified biologist(s) or designee approved by the qualified biologist(s). The program shall include information about the life histories of State or federally listed species with potential to occur on the Project site, their legal status, course of action should these species be encountered on-site, and avoidance and minimization measures to protect these species. The training shall include the following components:

a. Information about the life history and identification of federally listed plant and wildlife species, as well as other special-status plant and wildlife species that may be affected by Project activities. The program shall present the legal protection status of each such species, the definition of "take" under the Federal Endangered Species Act and California Endangered Species Act, measures the Project proponent/operator shall implement to protect the species, reporting requirements, specific measures for workers to avoid take of special-status plant and wildlife species, and penalties for violation of Project permits or other Project-related environmental measures.

b. An acknowledgment form signed by each worker indicating that the Worker Environmental Awareness Training and Education program has been completed shall be kept on file at the construction site.

c. A copy of the training transcript and/or training video, as well as a list of the names of all personnel who attended the Worker Environmental Awareness Training and Education program, and signed acknowledgment forms, shall be submitted to the contractor's construction manager or on-site superintendent.

d. A copy of the training transcript, training video or informational binder for specific procedures shall be kept available for all personnel to review and be familiar with, as necessary.

The construction crews and contractor(s) shall be responsible for preventing unauthorized impacts from Project activities to sensitive biological resources that are outside the areas defined as subject to impacts by Project permits. Unauthorized impacts may result in Project stoppage, and/or fines, depending on the impact and coordination with the appropriate State or federal biological agency.

CUL-1: If prehistoric or historic-era cultural materials are encountered during construction activities, all work within 50 feet of the find shall halt until a qualified professional archaeologist, meeting the Secretary of the Interior's Professional Qualification Standards for prehistoric and historic archaeologists, can evaluate the significance of 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 professional 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.

If a potentially eligible resource is encountered, then the qualified professional archaeologist, the Lead Agency, shall arrange for either (1) total avoidance of the resource or (2) test excavations to evaluate eligibility and, if eligible, total data recovery. The determination shall be formally documented in writing and submitted to the Lead Agency as verification that the provisions for managing unanticipated discoveries have been met.

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 Madera County Coroner. All reports, correspondence, and determinations regarding the discovery of human remains on the Project site shall be submitted to the City of Madera.

According to the California Health and Safety Code, six or more human burials at one location constitute a cemetery (Section 8100), and willful disturbance of human remains is a felony (Section 7052).

GEO-1: 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 other 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 HAZ-1: In the event that unknown underground storage tank(s) or a septic system are uncovered or damaged during excavation or grading activities, all work in that area shall cease. The State Water Resources Control Board (SWRCB) and the Madera County Environmental Health Division shall be contacted to determine what appropriate remediation may be required and to identify the appropriate requirements and approvals. A report of all communication and the determination made by the SWRCB and the County Health Division shall be submitted to the City.

MM HAZ-2: Prior to the start of the demolition of any existing structures on the Project site, an assessment of the existing buildings shall be performed by a certified consultant, notification shall be submitted to the San Joaquin Valley Air Pollution Control District, and any abatement requirements shall be completed in order to obtain an approved demolition permit. A copy of the approved demolition permit shall be submitted to the lead agency as evidence of compliance.

If no regulated asbestos or lead paint is found during the assessment, no further action is necessary.

NSE-1: Mechanical ventilation or air conditioning shall be provided for all homes so that windows and doors can remain closed for sound insulation purposes.

SECTION 1 - INTRODUCTION

1.1 - Overview

The proposed Project will subdivide the subject property into 33 medium density single-family residential lots and two outlots (TSM 2025-05). The proposed Project will require the approval of a General Plan Amendment, Zone Change, and Precise Plan.

The Project site is located in the southeast City of Madera (City) at 1171 East Pecan Avenue, which is bounded by East Pecan Avenue (also called Avenue 13) to the south and Apricot Lane to the west; approximately 0.25 miles west of State Route (SR) 99. The Project site consists of an approximately 5.37-acre parcel APN 012-500-021, and within Section 30, Township 11S, Range 18E, Mount Diablo Base and Meridian (MDB&M), of the Madera U.S. Geological Survey (USGS) Quad Map.

1.2 - California Environmental Quality Act

The City of Madera 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 4 – 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 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 applicant.

- 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 – Initial Study:* 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 includes 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 impacts for any of the 21 environmental resource factors, then an Environmental Impact Report will be required.
- *Section 4 – Mitigation Monitoring and Reporting Program:* This section contains a Mitigation Monitoring and Reporting Program that summarizes the impacts, mitigation measures, and level of significance after mitigation.
- *Section 5 – List of Preparers:* This section identifies the individuals who prepared the IS/MND.
- *Section 6 – References:* This section contains a full list of references that were used in the preparation of this IS/MND.

1.5 - Regulation Incorporated by Reference

The following regulation is incorporated into this IS/MND by reference. Other applicable federal, State, and regional regulations are referenced throughout this document:

- City of Madera General Plan
- City of Madera General Plan EIR
- City of Madera Housing Element (2024-2032)
- City of Madera Ordinance Code
- City of Madera Urban Water Management Plan 2020 Update
- City of Madera Water System Master Plan
- City of Madera Climate Action Plan
- Madera Countywide Airport Land Use Compatibility Plan

SECTION 2 - PROJECT DESCRIPTION

2.1 - Introduction/Background

The proposed Project will subdivide the subject property into 33 medium density single-family residential lots and two outlots (TSM 2025-05). The proposed Project will require the approval of a General Plan Amendment, a Zone Change, a Precise Plan, and a Lot Line Adjustment.

2.2 - Project Location

The Project site is located in the southeast City of Madera (City), bounded by East Pecan Avenue (also called Avenue 13) to the south and Apricot Lane to the west; approximately 0.25 miles west of State Route (SR) 99. The Project site consists of approximately 5.37-acre parcel APN 012-500-021, and within Section 30, Township 11S, Range 18E, Mount Diablo Base and Meridian (MDB&M), of the Madera U.S. Geological Survey (USGS) Quad Map.

Figures included at the end of Section 2 are as follows:

- Figure 2-1: Regional Location
- Figure 2-2: Project Site
- Figure 2-3: Existing Land Use Designations
- Figure 2-4: Proposed Land Use Designations
- Figure 2-5: Existing Zone Districts
- Figure 2-6: Proposed Zone Districts
- Figure 2-7: Tentative Subdivision Map No. 2025-05

2.3 - Surrounding Land Uses

The surrounding land uses are generally agricultural land to the north, rural residential to the east and west, and Parkwood Elementary School to the south.

2.4 - Proposed Project

TSM 2025-05 will subdivide the subject property into 33 medium density single-family residential lots and two outlots. Outlot A is 3,951 sq ft dedicated to landscaping and utilities and Outlot B is 564 sq ft dedicated to landscaping and open spaces. Lot sizes range from approximately 3,400 sq ft to 6,500 sq ft. The Project includes on- and off-site improvements such as interior local streets, curbs, gutters, sidewalks, streetlights, open spaces, landscaping, sewer water, and storm drain connections. All streets are to be offered for dedication for public street purposes. All residential units will be equipped with photovoltaic (PV) solar panels, utilize all electric appliances, and will be EV-ready (pre-wired during construction to allow for installation of EV residential charger in the future). Water, sewer, and storm drainage will be provided by the City of Madera.

Discretionary/Entitlement Actions

The following discretionary/entitlement actions are required for the Project:

- General Plan Amendment from Very Low Density (VLD) Residential designation to a Medium Density (MD) Residential designation
- A Zone Change from Residential Area (RA) (density of one unit/12,000 sq ft) to the Residential Districts Planned Development (PD) (3000) zone district (density of one unit/3,000 sq ft)
- Tentative Subdivision Map No. 2025-05 (TSM 2025-05)
- Planned Development (PD) zone district (one unit for each 3,000 sq ft of site area) PD 2025-03

Construction

An existing house, garage, shed, and fence will be demolished prior to construction. The existing private well and any septic sewage disposal system will be abandoned per Madera County Environmental Health Division standards prior to construction.

Construction of the residential development would occur over an estimated 18 to 24 months. It is anticipated that the following pieces of equipment would be used during construction activities:

- Roller
- Loaded trucks
- Excavator
- Bulldozer
- Scraper
- Generator
- Service truck
- Air compressor

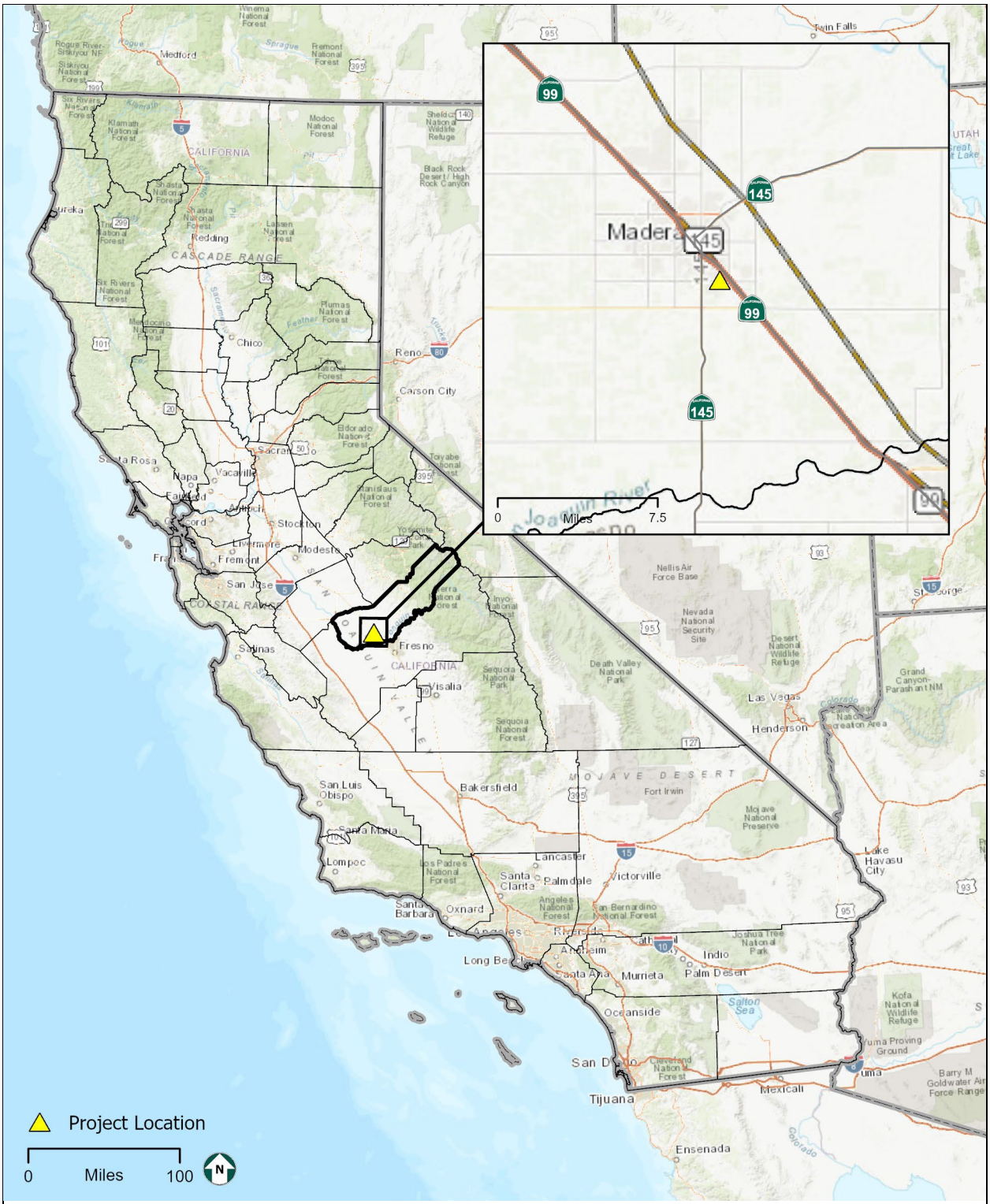


Figure 2-1
Regional Location



Figure 2-2
Project Site

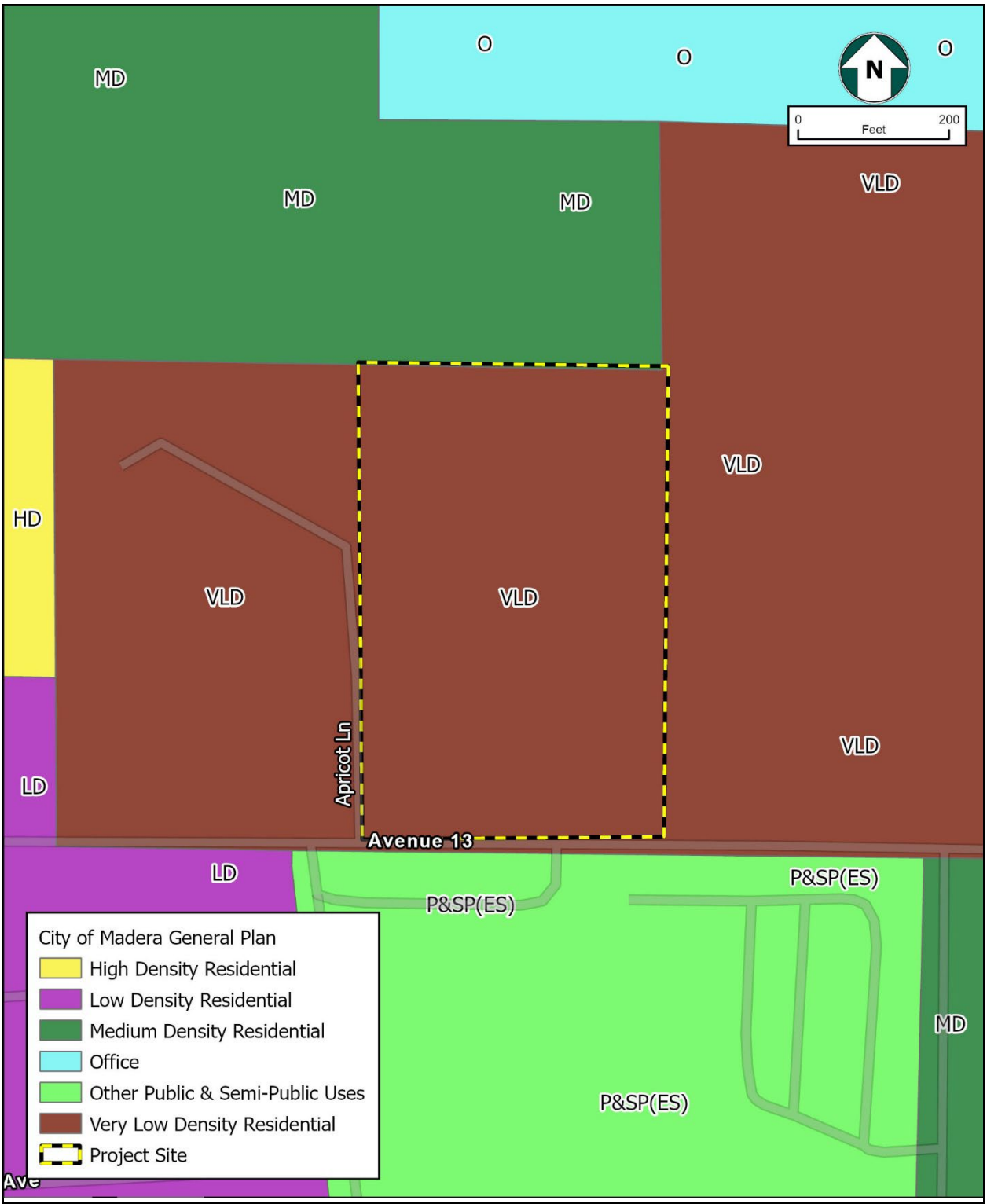


Figure 2-3
Existing Land Use Designation

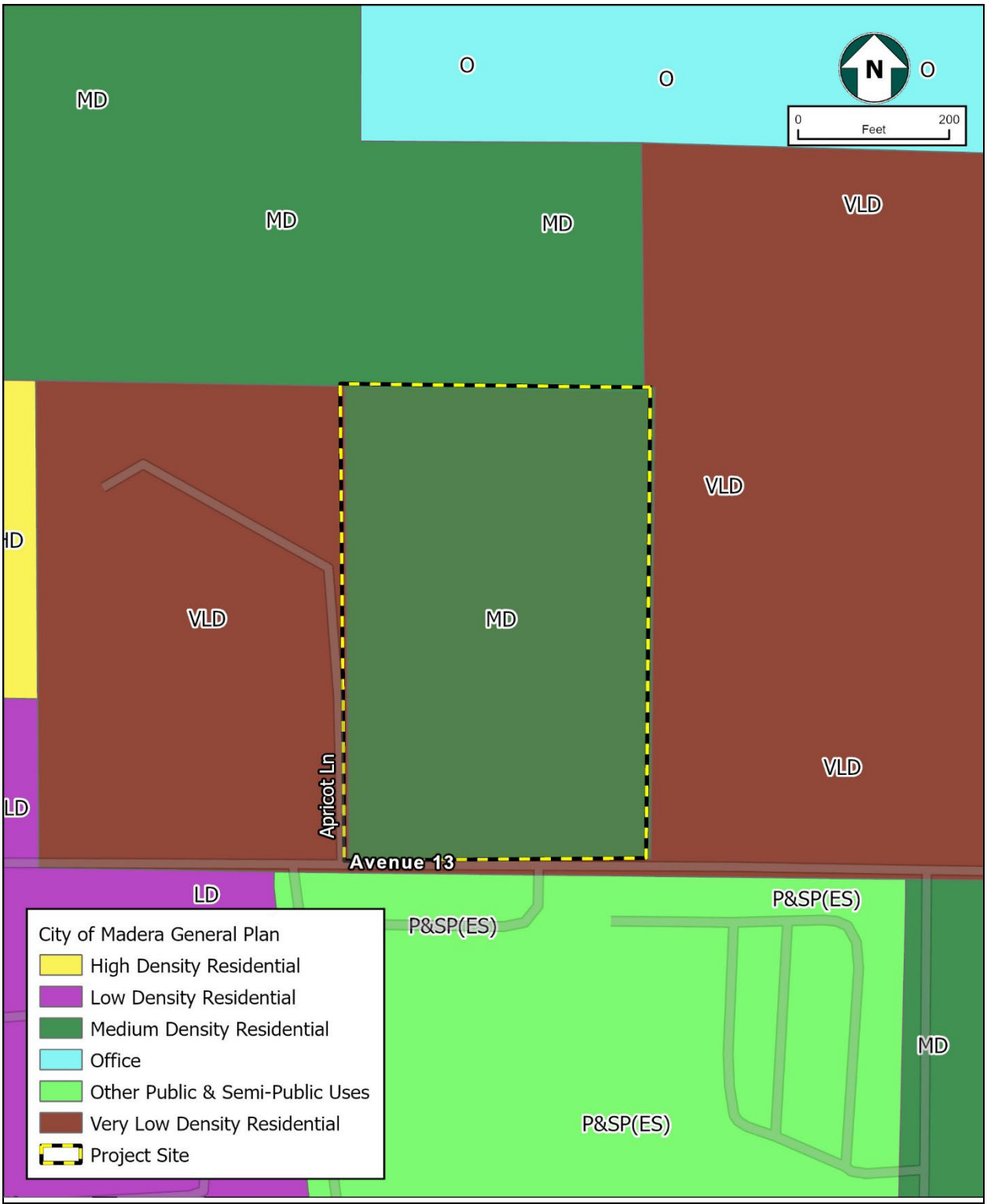


Figure 2-4
Proposed Land Use Designation

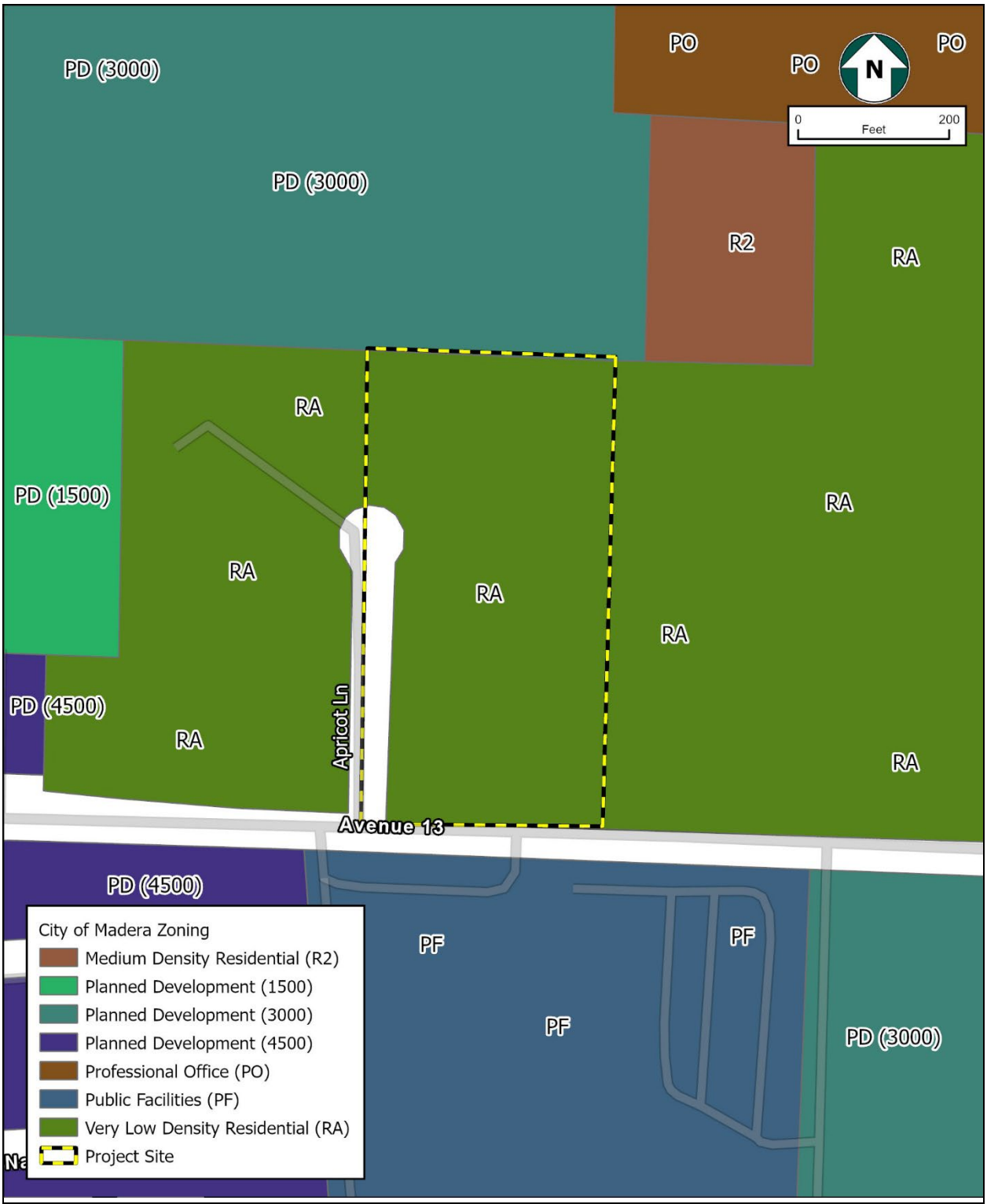


Figure 2-5
Existing Zone District



Figure 2-6
Proposed Zone District

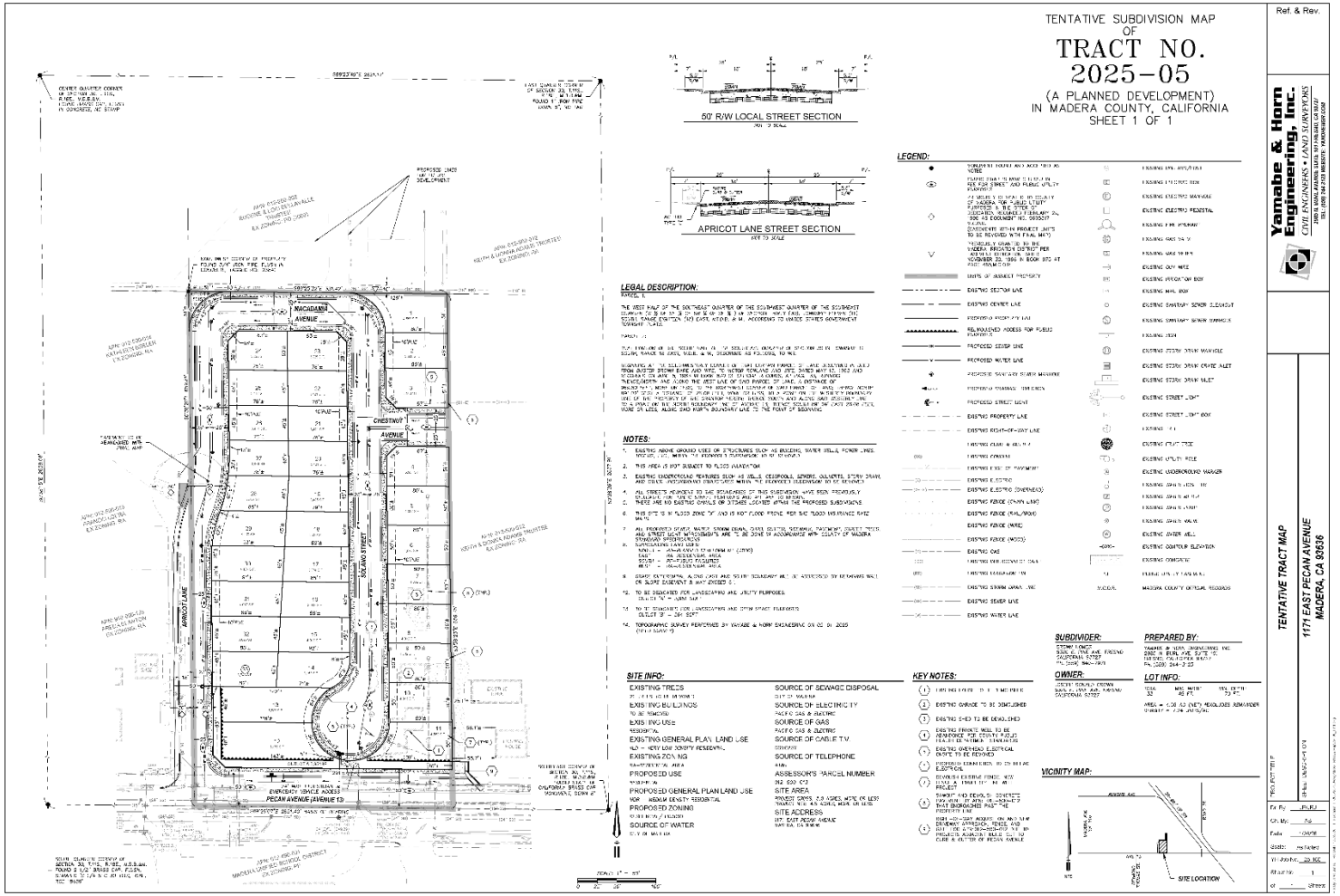


Figure 2-7
Tentative Subdivision Map No. 2025-05

SECTION 3 - INITIAL STUDY

3.1 - Environmental Checklist

- **Project Title:**

  Tentative Subdivision Map No. 2025-05 (TSM 2025-05)

- **Lead Agency Name and Address:**

  City of Madera
  205 W. 4th St.
  Madera, California 93638

- **Contact Person and Phone Number:**

  Will Tackett – Director of Community Development
  (559) 661-5451
  wtackett@madera.gov

- **Project Location:**

  The Project site is located in the southeast City of Madera (City) at 1171 East Pecan Avenue, which is bounded by East Pecan Avenue (also called Avenue 13) to the south and Apricot Lane to the west; approximately 0.25 miles west of State Route (SR) 99. The Project site consists of an approximately 5.37-acre parcel APN 012-500-021, and within Section 30, Township 11S, Range 18E, Mount Diablo Base and Meridian (MDB&M), of the Madera U.S. Geological Survey (USGS) Quad Map.

  The surrounding land uses are generally agricultural land to the north, rural residential to the east and west, with Parkwood Elementary School to the south.

- **Project Sponsor's Name and Address:**

  Crown Homes
  5320 East Pine Avenue
  Fresno, CA 93727

- **General Plan Designation:**

  Existing: Very Low Density (VLD) Residential

  Proposed: Medium Density (MD) Residential

- **Zoning:**

  Existing: Residential Area (RA) zone district (one unit for each 12,000 sq ft of site area)

  Proposed: Planned Development (PD) zone district (one unit for each 3,000 sq ft of site area)

- **Description of Project:**

TSM 2025-05 will subdivide the subject property into 33 medium density single-family residential lots and two outlots. Outlot A is 3,951 sq ft dedicated to landscaping and utilities and Outlot B is 564 sq ft dedicated to landscaping and open spaces. Lot sizes range from approximately 3,400 sq ft to 6,500 sq ft. The Project includes on- and off-site improvements such as interior local streets, curbs, gutters, sidewalks, streetlights, open spaces, landscaping, sewer water, and storm drain connections. All streets are to be offered for dedication for public street purposes. All residential units will be equipped with photovoltaic (PV) solar panels, utilize all electric appliances, and will be EV-ready (pre-wired during construction to allow for installation of EV residential charger in the future). Water, sewer, and storm drainage will be provided by the City of Madera.

Discretionary/Entitlement Actions

The following discretionary/entitlement actions are required for the Project:

- General Plan Amendment from Very Low Density (VLD) Residential designation to a Medium Density (MD) Residential designation
- A Zone Change from Residential Area (RA) (density of one unit/12,000 sq ft) to the Residential Districts Planned Development (PD) (3000) zone district (density of one unit/3,000 sq ft)
- Tentative Subdivision Map No. 25-05 (TSM 2025-05)
- Precise Plan

Construction

An existing house, garage, shed, and fence will be demolished prior to construction. The existing private well and any septic sewage disposal system will be abandoned per Madera County Environmental Health Division standards prior to construction.

Construction of the residential development would occur over an estimated 18 to 24 months. It is anticipated that the following pieces of equipment would be used during construction activities:

- Roller
- Loaded trucks

- Excavator
- Bulldozer
- Scraper
- Generator
- Service truck
- Air compressor

- **Surrounding Land Uses and Setting:**

  The surrounding land uses are generally agricultural land to the north, rural residential to the east and west, and Parkwood Elementary School to the south.

- **Other Public Agencies Whose Approval May be Required:**

  - San Joaquin Valley Air Pollution Control District (SJVAPCD)

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

  On June 24, 2026, pursuant to Public Resources Code section 21074, subdivision (c) of Public Resources Code Section 5024.1, Assembly Bill (AB) 52, Public Resources Code § 21080.3.1 (hereafter PRC), Senate Bill 18, letters were sent by the applicant's consultant, on behalf of the City, to each of the Native American tribes within the geographic area as identified by the Native American Heritage Commission (NAHC) (see Appendix B). The letters included a Project description and location maps. Tribal consultation under SB 18 closed on September 22, 2026. Follow-up contact through direct phone calls was initiated on August 12, 2026. Two responses were provided:

  1) The Southern Sierra Miwuk Nation responded via email, stating, "The Southern Sierra Miwuk Nation has received AB52/SB18 tribal consultation notification regarding City of Madera TSM 2025-05. As of now, we have no information to offer and will defer further consultation to more closely affiliated Tribes."
  2) Felix from the Tule River Indian Tribe responded via phone and inquired as to whether any other tribes have requested consultation, stating none had requested consultation. He expressed that he wanted to review the document emailed. Any further communication was directed to contact Jonathan Bartel with the City's Planning Department if he may have questions, concerns, or requests for consultation.

  To date, no other responses have been received by the City.

  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 PRC Section 21083.3.2.) Information may also be available from the NAHC's Sacred Lands File per PRC Section 5097.96 and the California Historical Resources Information System administered by the California Office of Historic Preservation. Please also note that PRC 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 Forestry Resources	☐ Air Quality
☐ Biological Resources	☐ Cultural Resources	☐ Energy
☐ Geology / Soils	☐ Greenhouse Gas Emissions	☐ Hazards & Hazardous Materials
☐ Hydrology / Water Quality	☐ Land Use / Planning	☐ Mineral Resources
☐ Noise	☐ Population / Housing	☐ Public Services
☐ Recreation	☐ Transportation	☐ Tribal Cultural Resources
☐ Utilities / Service Systems	☐ Wildfire	☐ Mandatory 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.

Signature:_____ Date: 09/18/2026

Printed Name: Will Tackett Title: Director of Community Development

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 is 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.

    c. Mitigation Measures. For effects that are "Less than Significant with Mitigation Measures Incorporated," describe the mitigation measures that 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					
Except as provided in Public Resources Code Section 21099, 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 non-urbanized area, substantially degrade the existing visual character or quality of public views of the site and its surroundings? (Public views are those that are experienced from publicly accessible vantage point.) If the Project is in an urbanized area, would the Project conflict with applicable zoning and other regulations governing scenic quality?	☐	☐	☒	☐
d.	Create a new source of substantial light or glare 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?

There are no scenic vistas designated in the City's General Plan or the General Plan Environmental Impact Report (EIR) (City of Madera, 2009a). Therefore, the proposed Project will have no impact on 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?

See Impact #3.4.1a, above.

The Project area does not contain any scenic highways (California Department of Transportation, 2026; City of Madera, 2009a). The area around the Project site is agricultural land, rural residential, Parkwood Elementary School, and medium density residential homes. There are no known historic buildings, trees, rock outcroppings, historic buildings, or scenic highways that have been identified near the proposed Project area. Therefore, the proposed Project would have no impact on scenic resources or a scenic highway.

MITIGATION MEASURE(S)

No mitigation is required.

LEVEL OF SIGNIFICANCE

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

Impact #3.4.1c – Would the Project substantially degrade the existing visual character or quality of public views of the site and its surroundings? (Public views are those that are experienced from a publicly accessible vantage point.) If the Project is in an urbanized area, would the Project conflict with applicable zoning and other regulations governing scenic quality?

The Project site is in an existing rural setting that is surrounded by urban uses. The urban uses in the general region include existing medium density single-family subdivisions to the west and southwest, Parkwood Elementary School to the south, and the Madera Community Hospital to the north. Once developed, the Project site would have similar visual characteristics of the other urban uses, such as paved internal roads/driveways, landscaping, and modern building construction. The proposed Project will comply with City development codes and requirements related to setbacks, landscaping, fence heights, and architectural elements. Therefore, the proposed Project would not substantially degrade the existing visual character or quality of public views of the site and its surroundings. Impacts would be less than significant.

MITIGATION MEASURE(S)

No mitigation is required.

LEVEL OF SIGNIFICANCE

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

Impact #3.4.1d – 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-related activities on the proposed Project would typically be conducted during daylight hours, that is, from 7:00 a.m. to 6:00 p.m. Increased truck traffic and the transport of construction materials to the Project site could temporarily increase glare conditions during construction-related activities. In the event that work is performed between dusk and 6:00 a.m., construction crews will use minimal illumination to perform the work safely. All construction lighting would be directed downward and shielded to focus illumination on the desired work areas only and prevent light spillage onto adjacent properties.

Operation

Development would include indoor lighting and outdoor lighting for safety purposes, but would generally not be out of character with the existing suburban/urban environment and would not rise to a level of being significant. The resulting light and glare produced by the Project would be similar to existing conditions in nearby single-family medium density residential neighborhoods and seen at Parkwood Elementary School. In addition, daytime glare would not be substantial because no highly reflective glass elements or building materials are proposed as part of the Project.

There are several General Plan policies that include comprehensive design guidelines to establish basic design standards (Action CD-2.1) and criteria for public and private development projects (Policy CON-38). These policies and actions are implemented through the City Ordinance Code, specifically Title IX of the Ordinance Code, adopting California Building Code standards, and Title X, requiring review and approval of exterior lighting. Compliance with established City design and construction guidelines would ensure that potential outdoor lighting would conform to adopted standards, would avoid and minimize impacts of light spillage onto adjacent properties, and would reduce the impact to a level below significant. Based on adopted General Plan policies and development standards, the minimization of light and glare impacts would be reduced to a less than significant level.

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 non-agricultural 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 non-agricultural 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 non-agricultural use?

The Project site is designated as Vacant or Disturbed Land and Rural Residential Land (California Department of Conservation, 2026a). Therefore, the Project will have no impact on Prime Farmland, Unique Farmland, or Farmland of Statewide Importance (Farmland).

MITIGATION MEASURE(S)

No mitigation is required.

LEVEL OF SIGNIFICANCE

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

Impact #3.4.2b – Conflict with existing zoning for agricultural use or a Williamson Act contract?

See Impact #3.4.2a, above.

The site is currently zoned for residential development and is not subject to a Williamson Act land use contract (California Department of Conservation, 2026b). Therefore, the Project does not conflict with a land use contract or existing zoning for agricultural use, 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))?

Public Resources Code Section 12220(g) 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. Public Resources Code Section 4526 defines timberland as land other than land owned by the federal government and land designated by the board as experimental forest land, which is available for and capable of growing a crop of trees of a commercial species used to produce lumber and other forest products. Government Code Section 51104 defines timberland zoned Timberland Production as an area that has been zoned pursuant to Section 51112 or 51113 and is devoted to and used for growing and harvesting timber or for growing and harvesting timber and compatible uses.

There are no forest lands identified on the proposed Project site or within its vicinity; therefore, there would be no conflict with or impacts to zoning for forest land or timberland. The proposed Project would not result in the loss or conversion of forest land to a non-forest use.

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?

As discussed in Impact #3.4.2c above, the Project site does not contain forest land or conversion of forest land to non-forest use. Therefore, there would be no impact to forest land.

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 non-agricultural use or conversion of forest land to non-forest use?

As discussed in Impacts #3.4.2a through #3.4.2c above, the Project site is not designated as Farmland or forest land. There is no impact related to farmland, agricultural uses, or forestlands.

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 non-attainment under an applicable federal or State ambient air quality standard?	☐	☐	☒	☐
c.	Expose sensitive receptors to substantial pollutant concentrations?	☐	☐	☒	☐
d.	Result in other emissions (such as those leading to odor) adversely affecting a substantial number of people?	☐	☐	☒	☐

Discussion

The following analysis is based on the Small Project Analysis Level (SPAL) prepared for this Project (QK, 2026a) attached as Appendix A.

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

Plan Consistency

The air quality study for this Project was prepared pursuant to the San Joaquin Valley Air Pollution Control District (SJVAPCD) *Guidance for Assessing and Mitigating Air Quality Impacts* (GAMAQI) and the California Environmental Quality Act (CEQA) Statute and Guidelines (QK, 2026a). The analysis examines the projected gross impact to air quality posed by this Project to the San Joaquin Valley Air Basin (SJVAB) to determine whether or not the Project remains below established air quality thresholds of significance.

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 ambient air quality analysis should determine whether the emissions from a project would cause or contribute significantly to violations of the NAAQS or CAAQS when added to

existing ambient concentrations. Table 3.4.3-1 below shows Federal and California Air Quality Standards.

Table 3.4.3-1
Federal and California Air Quality Standards

Pollutant	Averaging Time	NAAQS	CAAQS
		Concentration	
O_3	8-hour	0.070 ppm (137 µg/m³)[a]	0.070 ppm (137 µg/m³)
	1-hour		0.09 ppm (180 µg/m³)
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)
Particulate Matter (PM_{10})	Annual Arithmetic Mean		20 µg/m³
	24-Hour	150 µg/m³	50 µg/m³
Fine Particulate Matter ($PM_{2.5}$)	Annual Arithmetic Mean	12 µg/m³	12 µg/m³
	24-Hour	35 µg/m³	
Sulfates	24-Hour		25 µg/m³
Pb[d]	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 (chloroethene)	24-Hour		0.010 ppm (26 µg/m³)
Visibility Reducing particles	8 Hour (1000 to 1800 PST)		[b]

ppm = parts per million
ppb = parts per billion
mg/m³ = milligrams per cubic meter
µg/m³ = micrograms per cubic meter

Source: CARB 2024
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.

Small Project Level Analysis (SPAL)

The SJVAPCD created the SPAL screening tool to streamline air quality assessments of commonly encountered projects. According to GAMAQI, the SJVAPCD "pre-calculated the emissions on a large number and types of projects to identify the level at which they have no possibility of exceeding the emissions thresholds". The SJVAPCD SPAL process established review parameters to determine whether a project qualifies as a "small project." A project that is found to be "less than" the established parameters has "no possibility of exceeding criteria pollutant emissions thresholds." Table 3.4.3-2 presents the SPAL size parameters for residential projects.

Table 3.4.3-2
Small Project Analysis Level for Residential Projects

Land Use Category - Industrial	Project Size (Dwelling Units)	ADT One-Way for all Fleet Types (except HHDT)	ADT One-Way for HHDT Trips Only
Single Family	155	800	15
Apartment, Low Rise	224	800	15
Apartment, Mid Rise	225	800	15
Apartment, High Rise	340	800	15
Condominiums/Townhouse	256	800	15
Condominiums, High Rise	352	800	15
Mobile Home Park	292	800	15
Retirement Community	580	800	15
Congregate Care Assisted Living	536	800	15
Proposed Project	**33**	**308**	**6****

Source: Appendix A.

As shown in Table 3.4.3-2, the proposed Project would not exceed the established SPAL limits for a "Single Family" residential project. The Project would construct 33 dwelling units compared to the allowable project size of 155 dwelling units. Based on the default CalEEMod trip rate and the SJVAPCD-approved residential fleet mix, the Project's average daily trips (ADTs) would be below both SPAL ADT thresholds, and does not expect the use of heavy heavy truck daily trips (HHDT). Based on the above information, this Project qualifies for a limited air quality analysis applying the SPAL guidance to determine air quality impacts

Significance Threshold

This SPAL utilizes the CEQA and the SJVAPCD's GAMAQI to determine the significance thresholds for the proposed Project.

A potentially significant impact to air quality, as defined by the CEQA Appendix G, would occur if the project caused one or more of the following to occur:

- Conflict with or obstruct implementation of the applicable air quality plan;

- Result in a cumulatively considerable net increase of any criteria pollutant for which the project region is non-attainment under an applicable federal or state ambient air quality standard;
- Expose sensitive receptors to substantial pollutant concentrations; and/or
- Result in other emissions (such as those leading to odors) adversely affecting a substantial number of people.

The SJVAPCD has established emission thresholds in their GAMAQI to determine whether a project would create any potential air quality impacts that would require further analysis in an Environmental Impact Report (EIR). The SJVAPCD air quality thresholds from GAMAQI are presented in Table 3.4.3-3 (SJVAPCD 2015).

Table 3.4.3-3
SJVAPCD CEQA Thresholds of Significance

Criteria Pollutant	Construction Emissions	Significance Level Operational Permitted Emissions	Operational Non-Permitted Emissions
CO	100 tons/yr	100 tons/yr	100 tons/yr
NOx	10 tons/yr	10 tons/yr	10 tons/yr
ROG	10 tons/yr	10 tons/yr	10 tons/yr
SOx	27 tons/yr	27 tons/yr	27 tons/yr
PM_{10}	15 tons/yr	15 tons/yr	15 tons/yr
$PM_{2.5}$	15 tons/yr	15 tons/yr	15 tons/yr

Source: SJVAPCD 2015.

Construction Emissions

Short-term emissions are primarily from construction and would have temporary impacts on air quality. CalEEMod was used to estimate emissions from construction worker vehicles and on-site construction equipment. Table 3.4.3-4 presents the Project's short-term emissions and demonstrates that the Project's construction activities would not exceed construction significance thresholds. Therefore, construction emissions were found to be less than significant, and no further evaluation is required.

Table 3.4.3-4
Project Construction Emissions

Emissions Source	Pollutant (tons/year)					
	ROG	NO_X	CO	SO_2	PM_{10}	$PM_{2.5}$
2026	0.10	0.90	1.05	0.002	0.11	0.07
2027	0.29	0.79	1.11	0.002	0.04	0.03
Significance Threshold	10	10	100	27	15	15
Is Threshold Exceeded for a Single Year After Mitigation?	No	No	No	No	No	No

(QK, 2026a)

Operational (Post-Construction) Emissions

Long-term emissions are caused by operational mobile sources and area source emissions from the Project. Table 3.4.3-5 presents the Project's long-term operations emissions generated from mobile, energy, and area sources as well as from water use and waste generation emissions. Most of these emission impacts are from mobile sources traveling to and from the Project area.

The Project's long-term emissions demonstrated that the Project's operational activities would not exceed operational thresholds. Therefore, operational emissions were found to be less than significant, and no further evaluation is required.

Table 3.4.3-5
Operational Emissions (Post-Construction)

Emissions Source	Pollutant (tons/year)					
	ROG	NO_x	CO	SO_x	PM_{10}	$PM_{2.5}$
Project Operational Emissions	0.46	0.17	1.04	0.002	0.16	0.05
Significance Threshold	10	10	100	27	15	15
Is Threshold Exceeded After Mitigation?	No	No	No	No	No	No

(QK, 2026a)

As demonstrated above, predicted construction and operational emissions would not exceed the SJVAPCD's significance thresholds for ROG, NOx, PM_{10}, and $PM_{2.5}$. As a result, the Project would not conflict with emissions inventories contained in regional AQAPs and would not result in a significant contribution to the region's air quality non-attainment status or conflict with or obstruct implementation of the applicable air quality plan. Furthermore, the Project fell within the review parameters of SJVAPCD's SPAL process, which was established to determine whether a project, under specific parameters, has no possibility of exceeding criteria pollutant emissions thresholds. Therefore, the Project would have a less-than-significant impact on this criterion.

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 non-attainment under an applicable federal or State ambient air quality standard?

The SJVAB area is non-attainment for federal and State air quality standards for ozone, attainment of federal standards for $PM_{10,}$ and non-attainment for State standards, and non-attainment for federal and State standards for $PM_{2.5}$. Nitrogen oxides and reactive organic gases are regulated as ozone precursors.

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 minimize 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 the generation of particulate matter 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 (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 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 off-site 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. As shown in Tables 3.4.3-4 and 3.4.3-5 above, the Project demonstrates that emissions would be less than the significant thresholds identified by the SJVAPCD. Given this, the Project would not result in a cumulatively considerable net increase of any criteria pollutant for which the Project region is non-attainment under an applicable federal or State ambient air quality standard; therefore, the Project would have a less-than-significant impact on this criterion.

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 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. The nearest residential sensitive receptor is located adjacent to the proposed Project site.

The closest school is Parkwood Elementary School, located to the south of the Project site across Avenue 13. The closest hospital is Madera Community Hospital, located 0.20 miles north, and the closest assisted living facility is Senior Helpers, located 0.92 miles to the northwest. The nearest daycare facility is the MCSOS Early Education Center, located 0.54 miles to the northwest of the Project.

Projects are considered for potential health risks wherein a new or modified source of Hazardous Air Pollutants (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) during construction 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.

The SJVAPCD's Guidelines state that a project results in a significant impact if it exceeds the District's health risk notification thresholds presented in Table 3.4.3-6.

Table 3.4.3-6
Thresholds of Significance for 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** 1.0 for the Maximally Exposed Individual. **Chronic**: Hazard Index **equals or exceeds** 1.0 for the Maximally Exposed Individual.

Source: SJVAPCD 2015

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 the construction period for construction emissions. Similarly, predicted concentrations were used to calculate non-cancer chronic and acute hazard indices, which are the ratio of expected exposure to acceptable exposure. The basis for evaluating potential health risks is the identification of sources with increased HAPs. HAP emissions from anticipated on-site construction activities were evaluated.

Health risk is determined using the Hotspots Analysis and Reporting Program (HARP) software distributed by the CARB. HARP2 requires peak 1-hour emission rates and annual-averaged emission rates for all pollutants for each modeling source. The most recent version of EPA's AMS/EPA Regulatory Model – AERMOD (recompiled for the Lakes ISC-AERMOD View) was used to predict the dispersion of emissions from the proposed Project. The analysis employed all of the regulatory default AERMOD model keyword parameters, including elevated terrain options.

Diesel combustion emissions from diesel on-site construction equipment 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. A unit emission rate of one gram/second (g/sec) was input to AERMOD for each source.

SJVAPCD has set the level of significance for carcinogenic risk at twenty 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 non-cancer risk is a hazard index of 1.0. All receptors were modeled with a 1-year exposure to construction activities. The majority of receptors surrounding the Project site are non-residential; however, in order to be conservative, all receptors were treated as residential.

The carcinogenic risk and the health hazard index (HI) for chronic non-cancer risk at the point of maximum impact (PMI) do not exceed the significance levels of twenty in one million (20 x 10-6) and 1.0, respectively, for the proposed Project. The PMIs are identified by receptor location and risk and are provided in Table 3.4.3-7. The electronic AERMOD and HARP2 output files are provided in Appendix A.

Table 3.4.3-7
Potential Maximum Impacts Predicted by HARP

	Cancer Risk	Chronic Hazard Index
Total Construction	17.4E-06	1.02E-02
SJVAPCD Threshold	20.0E-06	1.0
Exceedance?	No	No
Receptor #	779	779
UTM Easting (m)	763358.08	763358.08
UTM Northing (m)	4092183.60	4092183.60

Note: UTM = Universal Transverse Mercator, (QK, 2026a)

As shown above in Table 3.4.3-7, the maximum predicted cancer risk for the proposed Project is 17.4E-06. The maximum chronic non-cancer hazard index for the proposed Project is 1.02E-02. Since the PMI remained below the significance threshold for cancer and chronic 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 ten 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.
3. The hazard index for the potential acute non-cancer risk was not calculated since there is no acute risk associated with DPM emission; therefore, the proposed Project is considered below the significance level.

Therefore, the potential risk of exposing sensitive receptors to substantial pollutant concentrations is less than significant.

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?

An evaluation is typically conducted for both of the following situations:

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

The criteria for this evaluation are based on the Lead Agency's determination of the proximity to one another of the proposed Project and the sensitive receptors. A sensitive receptor is a location where human populations, especially children, senior citizens, and sick persons, are present, and where there is a reasonable expectation of continuous human exposure to pollutants, according to the averaging period for ambient air quality standards, i.e., the 24-hour, 8-hour, or 1-hour standards. Commercial and industrial sources are not considered sensitive receptors.

The proposed Project is not considered a source of objectionable odors or odorous compounds. 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. As such, the proposed Project will not be a source of any odorous compounds nor will it likely be impacted by any odorous source. Therefore, the Project would not result in emissions (such as those leading to odors) adversely affecting a substantial number of people. 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
3.4.4 - 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

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 U.S. Fish and Wildlife Service?

The California Natural Diversity Database (CNDDB), the California Native Plant Society (CNPS) database, and the United States Fish and Wildlife Service (USFWS) Information for Planning and Conservation (IPaC) database were reviewed to assess whether occurrences of federally listed species or USFWS Critical Habitat Units have been documented within the Project site and the USGS nine-quadrangles surrounding the Project.

There were 13 federally listed plants and wildlife identified in the CNDDB, CNPS, and IPaC database searches of the nine quadrangles surrounding the Project. There is no suitable habitat that could support federally listed and protected plant or wildlife species within the Project area.

In addition, there are 12 State-listed wildlife species and 12 California Rare Plant Rank (CRPR) plant species identified in the CNDDB, CNPS, and IPaC database searches of the nine quadrangles surrounding the Project. Of the 12 State-listed wildlife species, 8 species are also federally listed. Of the 12 CRPR plant species, 4 species are also federally and state listed. The identified federal and State-listed special-status plant and wildlife species with the potential to occur based on database research and survey are summarized in Table 3.4.4-1 below.

Table 3.4.4-1
Federal and State Listed, Proposed, and Candidate Plant and Wildlife Species Evaluated for Their Potential to Occur within the Project Area

Scientific Name	Status Federal/State CRPR/CDFW	General Location/ Habitat Requirements	Potential to Occur
Plants			
Atriplex cordulata var. cordulata heartscale	-/- 1B.2/-	Saline and alkaline soils, chenopod scrub, meadows and seeps, and sandy soils in valley and foothill grassland	No
Atriplex minuscula lesser saltscale	-/- 1B.1/-	Alkaline and sandy soils in chenopod scrub, playas, valley and foothill grassland	No
Atriplex persistens vernal pool smallscale	-/- 1B.2/-	Alkaline vernal pools	No
Atriplex subtilis subtle orache	-/- 1B.2/-	Alkaline soils in valley and foothill grassland	No
Castilleja campestris succulenta succulent owl's-clover	FT/SE 1B.2/-	Vernal pool	No

Scientific Name	Status Federal/State CRPR/CDFW	General Location/ Habitat Requirements	Potential to Occur
Delphinium recurvatum recurved larkspur	-/- 1B.2/-	Chenopod scrub, cismontane woodland, valley and foothill grassland	No
Eryngium spinosepalum spiny-sepaled button-celery	-/- 1B.2/-	Vernal pool and mesic grassland	No
Lasthenia chrysantha alkali-sink goldfields	-/- 1B.1/-	Alkaline soils in vernal pools and wet saline flats	No
Layia munzii Munz's tidy-tips	-/- 1B.2/-	Chenopod scrub and valley and foot hill grassland	No
Leptosiphon serrulatus Madera leptosiphon	-/- 1B.2/-	Decomposed granite in cismontane woodland and lower montane coniferous forest	No
Navarretia nigelliformis ssp. radians shining navarretia	-/- 1B.2/-	Cismontane woodland, valley and foothill grassland, and vernal pool	No
Orcuttia inaequalis San Joaquin Valley Orcutt grass	FT/SE 1B.1/-	Vernal pool	No
Orcuttia Pilosa hairy Orcutt grass	FE/SE 1B.1/-	Vernal pool	No
Puccinellia simplex California alkali grass	-/- 1B.2/-	Sinks, flats, and lake margins in vernally moist, alkaline conditions of chenopod scrub, meadows and seeps, valley and foothill grassland	No
Sagittaria sanfordii Sanford's arrowhead	-/- 1B.2/-	Shallow freshwater marshes and swamps, and slow-moving waterways	No
Tuctoria greenei Greene's tuctoria	FE/SR 1B.1/-	Small or shallow vernal pools	No
Wildlife			
Actinemys marmorata	FPT/- -/SSC	Ponds, lakes, rivers, streams, creeks, marshes, and irrigation ditches	No

Scientific Name	Status Federal/State CRPR/CDFW	General Location/ Habitat Requirements	Potential to Occur
Northwestern pond turtle			
Agelaius tricolor tricolored blackbird	-/ST -/SSC	Wetland and agricultural habitat	No
Ambystoma californiense California tiger salamander – central California DPS	FT/ST -/WL	Breeding: ephemeral pools or artificial ponds Upland habitat: valley and foothill grassland, oak woodlands, and uncommonly riparian	No
Athene cunicularia ssp. *hypugaea* western burrowing owl	-/SC -/SSC	Grasslands, shrublands, fallow fields, dry grain fields	Yes
Bombus crotchii Crotch's bumble bee	-/SCE -/-	Warm and dry environments in grassland and scrub habitats utilizing abandoned rodent burrows	Yes
Branchinecta lynchi vernal pool fairy shrimp	FT/- -/-	Vernal pool	No
Buteo swainsoni Swainson's hawk	-/ST -/-	Occurs in open country habitats such as deserts, grasslands, or agricultural areas containing scattered large trees or small groves	Yes
Danaus plexippus monarch butterfly- overwintering population	FPT/- -/-	Fields, meadows, weedy areas, marshes, and roadsides	No
Desmocerus californicus dimorphus valley elderberry longhorn beetle	FT/- -/-	Riparian areas and within elderberry shrubs	No
Dipodomys nitratoides exilis Fresno kangaroo rat	FE/SE -/-	Open dry scrub and grassland habitats	No
Gambelia sila	FE/SE	Open, dry scrub habitats	No

Scientific Name	Status Federal/State CRPR/CDFW	General Location/ Habitat Requirements	Potential to Occur
blunt-nosed leopard lizard	-/FP		
Phrynosoma blainvillii coast horned lizard	-/- -/SSC	Loose soils in grasslands, forests, woodlands, and open chaparral	No
Spea hammondii western spadefoot	FPT/- -/SSC	Breeding: vernal pools Non-breeding habitat: grasslands, coastal scrub, woodlands, chaparral, sandy washes, lowland river floodplains, alkali flats, foothills, and mountains	No
Taxidea taxus American badger	-/- -/SSC	Grasslands, forest glades, meadows, marshes, brushy areas, deserts, mountain meadows, prairie, and sandy loam soil habitats	No
Vulpes macrotis mutica San Joaquin kit fox	FE/ST -/-	Grasslands, shrublands, fallow fields, dry grain fields, and urban areas	No

Federal Status:
FE - Federal Endangered Species
FPT - Federal Proposed Threatened
FT - Federal Threatened Species
California Status
SCE - California Candidate Endangered
SR - California State Listed - Rare
SE - California Endangered Species
ST - California Threatened Species
CDFW Status
SSC - CDFW Species of Special Concern
WL - CDFW Watch List

An evaluation of the potentially occurring special-status species, which included habitat requirements, likelihood of required habitat to occur within the Project area, and a comparison to the CNDDB records was conducted. The results of this evaluation concluded that no sensitive natural community or special-status plant species are anticipated to occur on or near the Project area and that two wildlife species have a reasonable potential to occur on or near the Project area.

Sensitive Natural Communities and Special-Status Species

Habitat within the Project area is classified as non-native grassland and urban. The 5.37-acre Project site consists of predominantly non-native grassland, an undeveloped parcel surrounded by residential properties and undeveloped pastures/non-native grassland. Historical satellite imagery shows that this parcel was used as an orchard from at least 1961

to 2009. After 2010, the parcel became fallow and turned into a non-native grassland surrounded by residences with pasture fields.

The Annual Grassland community is composed primarily of annual plant species, many of which occur as understory plants in Valley Oak Woodland and other habitats. It is dominated by introduced annual grasses, including wild oats (*Avena sativa*), soft chess (*Bromus hordeaceus*), ripgut brome (*Bromus diandrus*), red brome (*Bromus madritensis rubens*), wild barley (*Hordeum spontaneum*), and foxtail fescue (*Festuca* sp.). Many wildlife species use annual grasslands for foraging, but some require special habitat features such as cliffs, caves, ponds, or habitats with woody plants for breeding, resting, and escape cover. Species associated with this community include western fence lizard (*Sceloporus occidentalis*), common garter snake (*Thamnophis sirtalis*), northern Pacific rattlesnake (*Crotalus oreganus*), western burrowing owl, short-eared owl (*Asio flammeus*), horned lark (*Eremophila alpestris*), western meadowlark (*Sturnella neglecta*), black-tailed jackrabbit (*Lepus californicus*), California ground squirrel (*Otospermophilus beecheyi*), Botta's pocket gopher (*Thomomys bottae*), American badger, coyote (*Canis latrans*), and the San Joaquin kit fox. This habitat also provides important foraging habitat for the turkey vulture (*Cathartes aura*), northern harrier (*Circus hudsonius*), American kestrel (*Falco sparverius*), and prairie falcon (*Falco mexicanus*). Annual Grassland habitat occurs mostly on flat plains to gently rolling foothills. According to the Soil Survey Geographic Database (SSURGO), the site is composed of four soil types: Borden fine sandy loam, Pachappa fine sandy loam, Hanford fine sandy loam, and Tujunga loamy sand (NRCS 2026).

Urban is described as a developed habitat with five types of vegetative structure, including tree grove, street strip, shade tree/lawn, lawn, and shrub cover. Common in city parks, green belts, and cemeteries, tree groves vary in height, tree spacing, crown shape, and understory conditions, depending on species planted and landscape design. Street tree strips show variation in spacing of trees, depending upon species and design considerations, and are typically planted in grass. Shade trees/lawns are typical of residential areas and reminiscent of natural savannas. Lawns are structurally the most uniform vegetative units of the Urban habitat and shrub cover, including hedges, is more limited in distribution. Species composition in Urban habitats varies with planting design and climate, and monoculture is commonly observed in tree groves and street tree strips.

Special-Status Wildlife

The Project site is partially disturbed by a single existing residence and associated outbuildings, and predominantly consists of non-native grassland. There is potential for migratory birds to nest within the Project site in ornamental trees in nearby residential properties and the nonnative grassland in undeveloped lots throughout the nearby vicinity. Of the fifteen special-status wildlife species, three species, the western burrowing owl, Swainson's hawk, and Crotch's bumble bee, were identified as having the potential to occur within the Project site. A discussion of the western burrowing owl, Swainson's hawk and Crotch's bumble bee is provided below. Although it is highly unlikely to occur on the Project site, the recommended mitigation measures listed below will also reduce impacts to the American badger.

Western Burrowing Owl

The western burrowing owl is a broadly distributed, small, ground-dwelling owl that can be found throughout western North America, Florida, Central and South America, Hispaniola, Cuba, the northern Lesser Antilles, and the Bahamas. Typically, this species can be found in a variety of habitat types, including grasslands, deserts, or other open habitats where food resources are available and contain treeless areas with low vegetation cover and gently sloping terrain.

Burrowing owls use earthen burrows, typically relying on other fossorial mammals to construct their burrows, such as the American badger. In California, burrowing owls are associated with California ground squirrels, which were on site during the reconnaissance survey, though no sign of habitation was observed during the survey. Burrowing owls use a burrow throughout the year for temperature regulation, offspring rearing, shelter, and escape from predators. While burrows are most often earthen, they have been documented using atypical burrows such as pipes, culverts, and other man-made structures as burrows, most often as shelter. Burrowing owls can have several burrows close to one another that they may frequently use to avoid predators.

There are two CNDDB records within 10 miles of the Project site. The closest CNDDB record (EONDX 62876) is approximately 4.2 miles northwest of the Project site and is possibly extirpated. Suitable burrowing habitat is present within the Project site and the nearby vicinity. Suitable prey species (i.e., rodents) may be present within the Project site.

Swainson's Hawk

Swainson's hawks occur in grassland, desert, and agricultural landscapes throughout the Central Valley and Antelope Valley. Some hawks may be resident, especially in the southern portion of their range, while others may migrate between winter and breeding habitats. They prefer larger isolated trees or small woodlots for nesting, usually with grassland or dryland grain fields nearby for foraging, and have been known to nest in large eucalyptus trees (*Eucalyptus sp.*) along heavily traveled freeway corridors. Swainson's hawks forage in grassland, open scrub, pasture, and dryland grain agricultural habitats, primarily for rodents. Swainson's hawks exhibit moderate to high nest site fidelity for successful nest sites. The primary threat to Swainson's hawk is loss of native foraging and breeding grounds due to habitat conversion. Other threats include climate change, drought, infrastructure placement, wind turbine strikes, nest tree trimming, vehicle collisions, disease, pesticide poisoning, and electrocution.

There are four CNDDB records within 10 miles of the Project site. The closest CNDDB record (EONDX 104028) is approximately 1.5 miles southeast of the Project site and is presumed extant. Suitable nesting habitat is present within 0.5 miles of the Project site, specifically in

areas with large trees. However, the few open non-native grasslands present within the Project site provide very low-quality foraging opportunities for the species.

Crotch's Bumble Bee

The Crotch bumble bee occurs in relatively warm and dry environments of the inner Coast Range of California and the margins of the Mojave Desert. It inhabits grassland and scrub habitats where it nests in abandoned rodent burrows, and occasionally nests above ground in tufts of grass, rock piles, or cavities in dead trees. This species is classified as a short-tongued bumblebee whose food plants include *Asclepias*, *Chaenactis*, *Lupinus*, *Medicago*, *Phacelia*, and *Salvia*. The species is threatened by habitat loss and degradation, including agricultural intensification and rapid urbanization.

There are two CNDDB records within 10 miles of the Project site. The closest CNDDB record (EONDX 134735) is approximately 2.5 miles northeast of the Project site and is presumed extant. Potential food host plants (e.g., *Asclepias*, *Chaenactis*, *Lupinus*, *Medicago*, *Phacelia*, and *Salvia*) could be present on the Project site. Additionally, if any rodent burrows (e.g., potential nest location) are present, then the species has the potential to occur within the Project site.

CONCLUSION

The overall Project and surrounding areas have been disturbed for years by ongoing agriculture. The Project area and vicinity do not provide suitable habitat for any special-status plant species, and no mitigation measures to protect, avoid, or minimize impacts to special-status plant species are warranted.

The Project area and vicinity have the potential to support the western burrowing owl. To account for potential impacts, implementation of MM BIO-1 through BIO-3 and MM BIO-8 would protect, avoid, and minimize impacts to the western burrowing owl. MM BIO-8 requires training for all construction personnel on biological resources.

The Project area and vicinity have the potential to support Crotch's bumble bee. To account for potential impacts, the implementation of MM BIO-1, MM BIO-3, and MM BIO-7 would protect, avoid, and minimize impacts to the Crotch's bumble bee. MM BIO-1 will require a preconstruction survey to be conducted, and if Crotch's bumble bee were observed, then MM-BIO-3 would require work to halt in that area, and the on-call biologist would be contacted immediately to determine whether biological monitoring or the implementation of an avoidance buffer is warranted. MM BIO-8 requires training for all construction personnel for biological resources.

The Project area and vicinity have a lack of sufficient prey base and provide low-quality foraging habitat for Swainson's hawk and other raptor species. There is the potential for nesting migratory birds and raptors, including the Swainson's hawk, which are protected by the Migratory Bird Treaty Act, to nest on or near the Project area. To account for potential impacts, implementation of Mitigation Measures (MM) BIO-4 through BIO-7 would protect, avoid, and minimize impacts to potential nesting migratory birds and raptors, including the

Swainson's hawk. MM BIO-4 will require a preconstruction survey to be conducted, and MM BIO-5 requires that pre-disturbance surveys be conducted if construction occurs during nesting season, and additional measures if nests are identified. MM BIO-6 establishes procedures for active raptor nests, MM BIO-7 provides for Swainson's hawk-specific protocol surveys and avoidance measures, and MM BIO-8 requires training for all construction personnel about special status plant and wildlife species and other biological resources.

Compliance with Mitigation Measures BIO-1 through BIO-8 would protect, avoid, and minimize impacts to special-status wildlife species. When implemented, these measures would reduce impacts to these species to below significant levels.

MITIGATION MEASURE(S)

BIO-1: Within 14 days prior to the start of Project ground-disturbing activities, a pre-construction survey shall be conducted by a qualified biologist knowledgeable in the identification of special-status species known to occur in the region. Special focus for special-status species surveys will include: Swainson's hawk, American badger, western burrowing owl, nesting migratory birds and raptors, and Crotch's bumble bee. If no special status species or their sign (burrows, nests, tracks, scat, etc.) are observed during the survey, no further action is required. A copy of the pre-construction survey report shall be submitted to the lead agency prior to the start of construction.

BIO-2: Within 14 days prior to the start of Project ground-disturbing activities, a pre-construction activity survey with a 250-foot buffer where land access is permitted should be conducted by a qualified biologist knowledgeable in the identification of this species and approved by the CDFW. Surveys need not be conducted for all areas at one time; they may be phased so that surveys occur within 14 days of the portion of the Project Site that will be disturbed. If dens/burrows that could support any of these species are discovered during the pre-activity survey (BIO-1), the avoidance buffers outlined below should be established.

If burrows that could support the burrowing owl species are discovered during the pre-construction clearance survey conducted under MM BIO-1, the avoidance buffers outlined below shall be established, and burrow monitoring shall be conducted in accordance with the California Department of Fish and Game (CDFG) *Staff Report on Burrowing Owl Mitigation* (CDFG, 2012). No work would occur within these buffers. If occupied burrowing owl burrows cannot be avoided by the appropriate buffer below, an Incidental Take Permit (ITP) issued by the CDFW under the California Endangered Species Act (CESA) to authorize "take" that is incidental to an otherwise lawful activity, may be required before any work within the buffer.

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

*Meters (m)

If any of these species is found and avoidance is not possible, consultation with CDFW shall be initiated. CDFW may allow burrow exclusion by a qualified biologist and only during the non-breeding season, before breeding behavior is exhibited, and after the burrow is confirmed empty through non-invasive methods, such as surveillance. Copies of communications and consultation with CDFW shall be provided to the lead agency.

BIO-3: A qualified biologist should remain on-call throughout the construction phase if a western burrowing owl, Crotch's bumble bee, or American badger occurs on the site during construction. If one of these species occurs on-site, all construction activity should stop in the affected area until the animal leaves of its own volition. The special-status species should be avoided by construction activities and construction workers and allowed to leave the Project site without harassment. The biologist should be contacted immediately to determine whether biological monitoring or the implementation of avoidance buffers may be warranted.

BIO-4: A preconstruction survey for Swainson's hawk and other migratory nesting birds shall be conducted 14-30 days prior to Project construction activities to verify if special-status or sensitive bird species are present within 500 feet of the Project. A report outlining the results of the survey shall be prepared and submitted to the lead agency as evidence of compliance.

BIO-5: If construction activities occur between February 1 and September 15, pre-disturbance surveys for active raptor and migratory bird nests shall be conducted no more than 10 days prior to the commencement of disturbance. Surveys shall follow USFWS and CDFW guidance and/or protocols, as applicable. If no active nests or nesting birds are identified, then Project construction activities may proceed, and no further mitigation measures for nesting birds are required. If active nest(s) are identified, the active nest(s) should be continuously surveyed for the first 24 hours after detection to establish a behavioral baseline prior to any construction-related activities.

Once construction commences, all nests shall be continuously monitored to detect any behavioral changes because of the Project (i.e., nest avoidance or abandonment). If behavioral changes are observed, the work causing that change shall cease until the qualified biologist consults with the CDFW and/or the USFWS and the qualified biologist implements the recommended measures. During such times as the qualified biological monitor is not on site while construction workers are on site, a minimum non-disturbance buffer of 250 feet shall be established around active nests and a 500-foot no-disturbance buffer around the nests of raptors until the breeding season has ended or until a qualified biologist has determined that the birds have fledged and are no longer reliant upon the nest or parental care for survival, and any adult birds are no longer occupying the nest. Deviations from these no-disturbance buffers may be implemented if the qualified biologist concludes that work within the buffer area would not cause nest avoidance or abandonment (e.g., when the disturbance area would be concealed from a nest site by topography) provided that notification of this determination of a deviation in the no-disturbance buffer is provided by the qualified biologist no less than 15 days in advance to CDFW and the United States Fish and Wildlife Service.

BIO-6: If an active raptor nest is identified, and when construction activities occur within the avoidance buffer of the nest, a qualified biologist shall conduct a daily site visit to observe all construction-related activities and or activity near an active nest. If construction activities are not occurring within the avoidance buffer of a nest, these resources shall be checked during a weekly site visit to observe activity. The qualified biologist shall be familiar with all potential species and their sign (i.e., tracks, scat, etc.) that have the potential to occur within the proposed Project site. The qualified biologist shall prepare a daily datasheet to record all construction-related activities that occurred and activity at an active nest and document the progress of the Project with photographs. Copies of daily datasheets and photographs shall be submitted to the lead agency as evidence of compliance.

BIO-7: If construction work occurs after August 30 and ends before March 1 (outside of the breeding season), impacts to the Swainson's hawk would be avoided. Surveys would not be required for work conducted during this part of the year, and no further mitigation for nest disturbance is required.

a. *Protocol Surveys*. For work that begins between March 1 and August 30, a qualified biologist with expertise in Swainson's hawk shall conduct protocol surveys of potential nesting habitat within 0.5 miles of any construction activities prior to initiation of such activities. The Project proponent shall conduct a protocol-level survey in conformance with the "Recommended Timing and Methodology for Swainson's Hawk Nesting Surveys in California's Central Valley," Swainson's Hawk Technical Advisory Committee (TAC) (https://www.wildlife.ca.gov/conservation/survey-protocols#377281284-birds) (May 31, 2000), which is hereby incorporated by reference. This protocol prescribes minimum standards for survey equipment, mode of survey, angle and distance to tree, speed, visual and audible clues, distractions, notes and observations, and timing of surveys.

   A written report with the pre-construction survey results shall be provided to the lead agency and CDFW within 30 days of the commencement of construction-related activities. The report shall include: the date of the report, authors and affiliations, contact information, introduction, methods, study location, including a map, results, discussion, and literature cited.

   If the required protocol surveys show there are no active Swainson's hawk nests within 0.5 miles of construction activities, then no further mitigation for nest disturbance shall be required. If protocol surveys show that there are no active Swainson's hawk nests within 10 miles of the site, then no further mitigation for foraging impacts shall be required.

b. *Nest Avoidance*. If nesting Swainson's hawks are observed within 0.5 miles of the Project site during the protocol surveys, the Project proponent shall implement CDFW pre-approved mitigation measures to avoid nest impacts during construction. These measures include:

- All Project-related activities with the potential to cause nest abandonment or forced fledging of young shall be avoided until the young have fledged.
- If disturbances, habitat conversions, or other Project-related activities that may cause nest abandonment or forced fledging are necessary, within the nest protection buffer zone (0.5-mile), monitoring of the nest site by a qualified raptor biologist, funded by the Project proponent, shall be required to determine if the nest is abandoned. If the nest is abandoned, but the nestlings are still alive, the Project developer /contractor is required to fund the recovery and hacking, that is, the controlled release of captive-reared young of the nestling.
- The Project proponent shall be required to coordinate with CDFW to determine if Project activities with the potential to cause disturbance to nesting Swainson's hawks within the 0.5-mile buffer may proceed with a reduced nest buffer and an approved biological monitor. CDFW may authorize a reduced nest buffer with the presence of a monitoring biologist during construction activities to ensure that the nest is not disturbed. Routine disturbances such as agricultural activities, commuter traffic, and routine maintenance activities within 0.5 miles of an active nest are not prohibited.

BIO-8: Prior to the initiation of construction activities, all construction personnel shall attend a Worker Environmental Awareness Training program developed by a qualified biologist. Any personnel associated with construction that did not attend the initial training shall be trained by the authorized biologist or authorized construction personnel prior to working within the Project site. Any employee responsible for the operations, maintenance, or decommissioning of Project facilities shall attend the Worker Environmental Awareness Training program prior to starting work on the Project. All on-site workers shall attend training on an annual basis. The Program shall be developed and presented by the Project qualified biologist(s) or designee approved by the qualified biologist(s). The program shall include information about the life histories of State or federally listed species with potential to occur on the Project site, their legal status, course of action should these species be encountered on-site, and avoidance and minimization measures to protect these species. The training shall include the following components:

a. Information about the life history and identification of federally listed plant and wildlife species, as well as other special-status plant and wildlife species that may be affected by Project activities. The program shall present the legal protection status of each such species, the definition of “take” under the Federal Endangered Species Act and California Endangered Species Act, measures the Project proponent/operator shall implement to protect the species, reporting requirements, specific measures for workers to avoid take of special-status plant and wildlife species, and penalties for violation of Project permits or other Project-related environmental measures.

b. An acknowledgment form signed by each worker indicating that the Worker Environmental Awareness Training and Education program has been completed shall be kept on file at the construction site.

c. A copy of the training transcript and/or training video, as well as a list of the names of all personnel who attended the Worker Environmental Awareness Training and Education program, and signed acknowledgment forms, shall be submitted to the contractor's construction manager or on-site superintendent.

d. A copy of the training transcript, training video, or informational binder for specific procedures shall be kept available for all personnel to review and be familiar with, as necessary.

The construction crews and contractor(s) shall be responsible for preventing unauthorized impacts from Project activities to sensitive biological resources that are outside the areas defined as subject to impacts by Project permits. Unauthorized impacts may result in Project stoppage, and/or fines, depending on the impact and coordination with the appropriate State or federal biological agency.

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?

As discussed above, the Project site consists of land classified as non-native grassland and urban, with neither habitat considered sensitive nor a riparian habitat. The Project site is located on an undeveloped but partially disturbed parcel surrounded by residential development and vacant land. Therefore, the Project would result in no impact to riparian habitat or other sensitive natural communities.

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 National Hydrography Dataset (NHD) and National Wetlands Inventory (NWI) datasets do not indicate any water features within the Project site. Therefore, there would be no impact on jurisdictional waters, and no recommended mitigation measure(s) are warranted.

The Federal Emergency Management Agency (FEMA) dataset shows the Project site to be in an area of minimal flood hazard.

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 linear stretch of land that connects two open pieces of habitat that would otherwise be unconnected. These routes provide shelter and sufficient food resources to support wildlife species during migratory movements. 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 area and surrounding areas do not overlap any wildlife linkages or movement corridors identified by the Essential Habitat Connectivity Project. The proposed Project does not occur within any terrestrial migration route, significant wildlife corridor, or wildlife linkage area as identified in the Recovery Plan for Upland Species in the San Joaquin Valley. Migratory birds and raptors could use habitat on or near the Project area for foraging and/or as stopover sites during migrations or movement between local areas. As discussed in Impact #3.4.4a, implementation of MM BIO-1 through BIO-5 would address potential impacts to migratory birds and raptors that could utilize the Project area for foraging or nesting and would result in a less-than-significant impact. BIO-8 requires all construction crew members to attend a WEAT program discussing special status species and their protection.

The Project would not substantially affect migrating birds or other wildlife. The Project will not restrict, eliminate, or significantly alter a wildlife movement corridor, wildlife core area, or essential habitat connectivity area, either during construction-related activities or after the Project construction has been completed. Project construction-related activities will not substantially interfere with wildlife movements or reduce breeding opportunities.

The land surrounding the Project area has been predominantly developed for both rural- and urban-type residential uses, as well as several remaining orchards, and thus is generally considered a low-quality habitat for many species. There are little to no open and undeveloped properties, and there is little opportunity for wildlife to pass through the Project area to travel between these low-quality habitats. As noted in Impact #3.4.4a, the proposed Project has the potential to affect migratory nesting birds and raptors; however,

the potential impacts are reduced to a less-than-significant level with the implementation of MM BIO-1 through BIO-5. There is no impact on established wildlife corridors or on the use of native wildlife nursery sites. Therefore, the Project would have a less-than-significant impact on wildlife movements, would not affect movement corridors, or impede a nursery site.

MITIGATION MEASURE(S)

Implementation of Mitigation Measures BIO-1 through BIO-5 and BIO-8.

LEVEL OF SIGNIFICANCE

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

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 City General Plan has adopted a number of policies and implementation measures that aim to preserve biological resources within City limits. These measures are described further below. There are no additional adopted local policies or ordinances protecting biological resources that would apply to this Project area. Therefore, implementation of the proposed Project would not conflict with any adopted local policies or ordinances protecting biological resources.

The City General Plan:

- GOAL CON-7: Protection of special-status plant and animal species, including their habitats, in compliance with all applicable State, federal, and other laws and regulations.
- GOAL CON-8: A balance between the protection of special-status plant and animals and the need to provide recreational opportunities and other needs.
- GOAL CON-9: Natural areas which are available to the public to help build knowledge and appreciation of these resources.

MITIGATION MEASURE(S)

No mitigation is required.

LEVEL OF SIGNIFICANCE

There would be *no impact*.

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 within the PG&E's San Joaquin Valley O&M HCP plan. Because the Project is not a PG&E facility, the Project would not conflict with any adopted HCP and there will be no impacts, and no measures are warranted.

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 pursuant to 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 impact analyses in this section are based on a Cultural Resources Technical Memorandum Report (QK, 2026b)which is attached as Appendix B.

Impact #3.4.5a – Would the Project cause a substantial adverse change in the significance of a historical resource pursuant to CEQA Guidelines Section 15064.5?

A cultural resource records search (#26-169) was conducted at the Southern San Joaquin Valley Information Center (IC) at California State University, Bakersfield, for the Project. The purpose of the search was to determine whether any known cultural resources were located on or near the proposed Project that might be impacted by Project development and/or activities. Additionally, a Sacred Lands File request was also submitted to the Native American Heritage Commission (NAHC). A response dated March 27, 2026, indicates *negative* results.

The records search indicated that the Project had never been surveyed for cultural resources, and it is not known if any exist on it. Seven cultural resource studies have been conducted within a half mile of the Project (QK, 2026b).

Three cultural resources have been identified and recorded within half a mile of the Project. These include the remains of an historic-era residence (IC primary no. P-20-002496), a residence and farm (P-20-002495), and a segment of the Madera Irrigation Canal (P-20-002308). These resources are not on the subject site and will not be impacted by the Project.

SB 18/AB 52 early tribal consultation letters were prepared and distributed by the City on June 24, 2026, pursuant to Public Resources Code Section 21080.3.1 and Government Code

Section 65300 *et seq*, Senate Bill 18 and Assembly Bill 52. Letters were sent to each of the Native American tribes within the geographic area as identified by the NAHC and closed on June 24, 2026. To date, no requests for consultation have been received. Should the City receive communication with a tribal group, they will work in good faith to address any potential cultural resources concerns.

If cultural resources are encountered during construction activities within any portion of the Project area, all work within 50 feet of the find should be halted until a qualified archaeologist can identify the discovery and assess its significance. In order to account for unanticipated discoveries and the potential to impact previously undocumented or unknown resources, the following mitigation measures are recommended. With the implementation of MM CUL-1, impacts under this criterion would be less than significant with mitigation. With the implementation of the mitigation measures, impacts would be less than significant.

MITIGATION MEASURE(S)

CUL-1: If prehistoric or historic-era cultural materials are encountered during construction activities, all work within 50 feet of the find shall halt until a qualified professional archaeologist, meeting the Secretary of the Interior's Professional Qualification Standards for prehistoric and historic archaeologists, can evaluate the significance of 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 professional 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.

If a potentially eligible resource is encountered, then the qualified professional archaeologist, the Lead Agency, shall arrange for either (1) total avoidance of the resource or (2) test excavations to evaluate eligibility and, if eligible, total data recovery. The determination shall be formally documented in writing and submitted to the Lead Agency as verification that the provisions for managing unanticipated discoveries have been met.

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 for Impact #3.4.5a.

Although considered unlikely since there is no indication of any historical or archaeological resources in the Project area, subsurface construction-related activities associated with the

proposed Project could potentially damage or destroy previously undiscovered archaeological resources. This is considered to have a potentially significant impact. Mitigation is proposed, requiring implementation of standard inadvertent discovery procedures to reduce potential impacts to previously undiscovered subsurface historical and archaeological resources.

MITIGATION MEASURE(S)

Implementation of Mitigation Measure CUL-1.

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?

The records searches did not indicate the presence of any human remains, burials, or cemeteries within the Project area. No human remains have been discovered within the Project area, and no burials or cemeteries are known to occur within the Project area. However, construction-related activities would involve earth-disturbing actions, and it is still possible that human remains may be inadvertently discovered, possibly in association with archaeological sites. Mitigation Measure CUL-2 has been included in the unlikely event that human remains are found during ground-disturbing activities. Accordingly, this is a potentially significant impact. Implementation of Mitigation Measure CUL-2 would reduce this potentially significant impact to less than significant.

MITIGATION MEASURE(S)

MM 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 NAHC, 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.

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 the SPAL prepared for this Project (QK, 2026a)attached as Appendix A.

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?

Construction

Construction will comply with California's Title 24 energy efficiency requirements, which also includes the 2022 California Green Building Standards Code and other applicable City development standards. Measure E-3 promotes the installation and use of on-site small-scale renewable energy systems, such as photovoltaic (PV) solar systems and solar water heaters.

Energy usage would be required to construct the proposed Project. Construction would be short-term and temporary in nature. Construction activities include standard construction processes such as grading, paving, trenching, architectural coating, and building construction. There are no unusual Project characteristics or construction processes that would require the use of equipment that would be more energy-intensive than is used for comparable activities. The primary sources of energy for construction activities are diesel and gasoline (i.e., petroleum fuels). All construction equipment is required to conform to current emissions standards and related fuel efficiencies, including applicable California Air Resources Board (CARB) regulations and California Energy Code Standards. In the CalEEMod outputs prepared as part of the SPAL, the estimated construction energy usage is less than one kilowatt-hour for the construction period (QK, 2026a). This indicates that construction-related energy use would be minimal and result in a less-than-significant consumption of energy resources.

Operation (post-construction)

Electrical energy for the City is supplied by Pacific Gas & Electric (PG&E), and the Project would utilize all electric energy-efficient appliances, as feasible. Implementation of General Plan Policy CI-49 ensures that adequate public utility services are timed with development and Action Item CON-37.3 would ensure that City energy use is efficient (City of Madera, 2009a).

In 2024, Madera County consumed 1,687 gigawatt-hours (GWh) of electricity. Residential users were responsible for about 30 percent of all electricity consumption, or approximately 503 GWh, in the County. The total consumption of energy within the State is approximately 282,783 GWh (California Energy Commission, 2026). Once operational, the residential subdivision will use approximately 308,437 kwh per year (QK, 2026a). This is 0.06 percent of the energy consumed by Madera County and 0.0001 percent of the State's entire consumption.

Furthermore, as previously noted, the Project will not utilize natural gas; all residential units will be equipped with PV solar panels that generate renewable energy to offset demand, utilize all electric appliances, and will be EV-ready (pre-wired during construction to allow for installation of an EV residential charger in the future). Pre-wiring homes reduces the homeowners' cost to retrofit the home in order to use an EV vehicle.

The Project will adhere to all applicable CBC in design, construction, and waste management. Construction associated with the Project would be required to comply with California's Title 24 energy efficiency requirements, which also includes the 2022 California Green Building Standards Code and other applicable City development standards. Energy demand during the construction phase would result from the transportation of materials, construction equipment, and construction worker vehicle trips. Therefore, the Project is expected to comply with General Plan policies and State energy efficiency requirements and will have a less than significant impact. Therefore, impacts would be less than significant.

MITIGATION MEASURE(S)

No mitigation is required.

LEVEL OF SIGNIFICANCE

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

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

In 2009, the SJVAPCD (Air District) adopted the following guidance documents applicable to projects within the San Joaquin Valley:

- Guidance for Valley Land Use Agencies in Addressing GHG Emission Impacts for New Projects under CEQA.

- District Policy: Addressing GHG Emission Impacts for Stationary Source Projects Under CEQA When Serving as the Lead Agency.

This guidance and policy are the documents referenced in the Air District's Guidance for Assessing and Mitigating Air Quality Impacts, adopted in March 2015. Consistent with the District guidance and District policy above, the Air District acknowledges the current absence of numerical thresholds and recommends a tiered approach to establish the significance of the GHG impacts on the environment:

- If a project complies 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, then the project would be determined to have a less-than-significant individual and cumulative impact for GHG emissions.
- If a project does not comply with an approved GHG emission reduction plan or mitigation program, then it would be required to implement Best Performance Standards (BPS).
- If a project is not implementing BPS, then it should demonstrate that its GHG emissions would be reduced or mitigated by at least 29 percent compared to Business as Usual (BAU).

In the decade after SJVAPCD adopted its Guidance for Valley Land-use Agencies in Addressing GHG Emission Impacts for New Projects under CEQA, 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. Clearly, the 2009 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 how citizens live in the State. Thus, as discussed in the most recent updates to the Scoping Plan, the objectives of the Scoping Plan affect all sectors of the economy, and it no longer makes sense to evaluate GHG emissions on a Project-level. 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 those creating emissions of this 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 based on energy purchases from the California market. Thus, consumers of electricity and transportation fuels are in effect regulated by higher-level emissions restrictions on the producers of these energy sources.

The City's Climate Action Plan (CAP) identifies two measures that promote energy efficiency that apply the proposed Project (City of Madera, 2015). Measure E-2 promotes an increase in the efficient use of energy and conservation of available resources in the design and construction of new buildings. The proposed Project will not conflict with or obstruct a State

or local plan for renewable energy or energy efficiency. The proposed Project will not significantly increase energy consumption associated with long-term (operational) activities and would be within existing growth levels as provided in the General Plan EIR.

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 onsite 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 – Would the Project 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.

The Alquist-Priolo Earthquake Fault Zoning Act (formerly the Alquist-Priolo Special Studies Zone Act) requires the delineation of zones along active faults in California. The purpose of the Alquist-Priolo Act is to regulate development on or near active fault traces to reduce the hazard of fault rupture; however, surface fault rupture is not necessarily restricted to the area within the Alquist-Priolo Zone. The Alquist-Priolo Act prohibits the location of most structures for human occupancy across active fault traces. Within these zones, cities and counties must regulate certain developments, which include withholding permits until geologic investigations demonstrate that development sites are not threatened by future surface displacement.

The City is not located within an Alquist-Priolo earthquake hazard zone, and there are no known active faults occurring within the Planning Area (City of Madera, 2009a). The City is in a Seismic Zone 2, which is considered an area of low ground shaking potential as defined by the California Department of Mines and Geology. The nearest active faults are the San Andreas Fault Zone, located approximately 67 miles southwest, and the Calaveras Fault Zone, located approximately 71 miles west of the Project site. Therefore, the proposed Project would not expose any people or structures to adverse effects associated with fault rupture related to an Alquist-Priolo Earthquake Fault. Therefore, impacts would be less than significant.

MITIGATION MEASURE(S)

No mitigation is required.

LEVEL OF SIGNIFICANCE

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

(ii) – Strong seismic ground shaking?

See Impact #3.4.7a (i), above. Ground movement during an earthquake can vary depending on the overall moment magnitude, distance to the fault, focus of earthquake energy, and type of geologic material. As a rule, the greater the earthquake magnitude and the closer the fault rupture to the site, the greater the intensity of ground shaking. In the event of an earthquake on one of the nearby faults, it is likely that the Project sites would experience ground shaking. However, as note, the City is in a Seismic Zone 2, which is considered an area of low ground shaking potential as defined by the California Department of Mines and Geology (City of

Madera, 2009a). The proposed Project would comply with City standards, including 2022 California Building Code which has been adopted by the City as Title IX (Building Regulations) of the City's Municipal Code. Compliance with these development standards, risk of loss, injury, or death involving strong seismic ground shaking would be minimal and less than significant in the event of an earthquake from a regional fault zone.

MITIGATION MEASURE(S)

No mitigation is required.

LEVEL OF SIGNIFICANCE

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

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

See discussions for Impact #3.4.7a(i) and Impact #3.4.7a(ii), above.

Areas that are prone to liquefaction are water-saturated (specifically where the water table is less than 40 feet below the surface) and consist of relatively uniform sands that are of loose to medium density (City of Madera, 2009a).

The groundwater in the area of the Project area was noted at a depth of approximately 125 feet below ground surface (See's Consulting & Testing, Inc, 2026). Soil types in the area are not conducive to liquefaction because they are either too course in texture or too high in clay content. Therefore, the proposed Project-specific effects would be less than significant.

MITIGATION MEASURE(S)

No mitigation is required.

LEVEL OF SIGNIFICANCE

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

(iv) – Landslides?

The Project site is relatively flat land, with no significant topological features. The Project site is designated as 'Very Low Landslide Potential' by the U.S. Landslide Inventory and Susceptibility Inventory (United States Geological Survey, 2026). Therefore, there is a very low to no likelihood of landslides occurring on the Project site. The Project is not likely to directly or indirectly cause potential substantial adverse effects, including the risk of loss, injury, or death involving landslides, and result in 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?

To reduce the potential for soil erosion and loss of topsoil during construction, the Project would comply with the National Pollutant Discharge Elimination System (NPDES) General Construction Permit issued by the State of California Central Valley Regional Water Quality Control Board (RWQCB). 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 and identify and implement best management practices (BMPs) that ensure reduced erosion. Typical BMPs intended to control erosion include sandbags, silt fencing, street sweeping, etc. Any stockpiled soils would be watered and/or covered to prevent loss due to wind erosion as part of the SWPPP during construction.

Once constructed, the Project will have both impermeable surfaces and permeable surfaces. Impermeable surfaces would include roadways, driveways, and structures. Permeable surfaces would include open areas and landscaped areas. Outlot A is 3,951 sq ft dedicated to landscaping and utilities and Outlot B is 564 sq ft dedicated to landscaping and open spaces; for a combined total of 4,515 sq ft of permeable surfaces. Permeable surfaces can help reduce runoff and erosion by allowing water to percolate back into the ground. Overall, the development of the Project would not result in conditions where substantial soil erosion or the loss of topsoil would be exposed or lost due to wind and water erosion. Impacts would be less than significant.

MITIGATION MEASURE(S)

No mitigation is required.

LEVEL OF SIGNIFICANCE

Impacts would be *less than significant.*

Impact #3.4.7c – 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 onsite or offsite landslide, lateral spreading, subsidence, liquefaction, or collapse?

See above discussions under Impact #3.4.7 (a)(i) through (iv) and (b), above.

With adherence to all applicable State and local building codes and regulations, impacts associated with onsite or offsite landslide, subsidence, liquefaction, or collapse will be minimized. The General Plan policies designed to minimize geologic hazard impacts to people and structures include:

- City - HS-8: The City shall seek to ensure that new structures are protected from damage caused by earthquakes, geologic conditions, or soil conditions.

The proposed Project will comply with all applicable requirements of the California Code of Regulations and the most recent California Building Standards Code, which provides criteria for developing buildings with appropriate design and safety standards. Therefore, the proposed 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 #3.4.7d – 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?

The General Plan EIR found that new construction that abides by the design and construction standards adopted under the CBC and City municipal code reduces or eliminates potential expansive soil-related impacts. The proposed Project will comply with all applicable requirements of the California Code of Regulations and the most recent California Building Standards Code, which provides criteria for developing buildings with appropriate design and safety standards. Therefore, the proposed Project would have a less than significant impact with mitigations.

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?

The proposed Project will connect to the City sewer system and will not include septic tank installation or alternative wastewater disposal systems. Therefore, the proposed Project would have 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?

Activities will involve trenching and ground disturbance, and could potentially reveal undiscovered paleontological resources, although it is highly unlikely due to past ground disturbance throughout the Project area. Project-related potential impacts to paleontological resources would be less than significant with the implementation of MM GEO-1. MM GEO-1 would require the establishment of a procedure should paleontological resources be encountered during the construction of the Project. Potential paleontological resources would be reduced to a less-than-significant impact.

MITIGATION MEASURE(S)

GEO-1: 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 other 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?	☐	☐	☒	☐

The following analysis is based on the SPAL prepared for this Project (QK, 2026a) attached as Appendix A.

Discussion

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's greenhouse gas (GHG) emissions are primarily from construction equipment source activities and operational mobile and energy sources. Not all GHGs exhibit the same ability to induce climate change; as a result, GHG contributions are commonly quantified as carbon dioxide equivalents (CO_2e) (QK, 2026a). The proposed Project's construction and operational CO_2e emissions were estimated using CalEEMod. These emissions are summarized in Table 3.4.8-1.

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

Source	CO_2	CH_4	N_2O	CO_2e
Total Construction Emissions	24.9	0.001	0.003	25.8
Total Operational Emissions	260	0.34	0.01	272

Source: (QK, 2026a)

In the decade after SJVAPCD adopted their Guidance for Valley Land-Use Agencies in Addressing GHG Emission Impacts for New Projects under CEQA, 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. Given this, the 2009 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, the objectives of the Scoping Plan affect all sectors of the economy.

For these reasons, Project GHG emissions levels presented in Table 3.4.8-1 are primarily for disclosure purposes. The Project's largest contributors to GHG emissions are from construction activities and operational mobile and energy sources. 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 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 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 consumer in California (including those creating emissions of this 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 based on energy purchases from the California market. Thus, consumers of electricity and transportation fuels are in effect regulated by higher-level emissions restrictions on the producers of these energy sources. Therefore, the Project would have a less than significant impact on applicable GHG reduction plans, and the Project's GHG emission contribution to cumulative global climate change impacts would not be cumulatively considerable.

MITIGATION MEASURE(S)

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 Impact #3.4.8a above. The proposed Project will not exceed the SPAL thresholds established by the SJVAPCD. As discussed above, the Project would have a less-than-significant impact on applicable GHG reduction plans, and the Project's contribution to cumulative global climate change impacts would not be cumulatively considerable because consumers of energy and transportation fuels are in effect regulated by higher-level emissions restrictions on the producers of these energy sources. Therefore, the Project would not conflict with any applicable plan, policy, or regulation adopted for the purpose of reducing the emissions of GHGs, and the 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
3.4.9 - 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 or excessive noise 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

The following analysis is supported by the Phase I Environmental Site Assessment (See's Consulting & Testing, Inc, 2026) prepared for this Project attached as Appendix C.

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

Construction

Construction of the Project would involve temporary transport and use of minor quantities of hazardous materials such as fuels, oils, lubricants, hydraulic fluids, paints, and solvents. The types and quantities of hazardous materials to be used and stored on-site would not be of a significant amount to create a reasonably foreseeable upset or accident condition. 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. The U.S. Department of Transportation and Caltrans regulate the transportation of hazardous materials. 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 off-site landfill or other such facilities. Designated truck routes are intended to avoid and minimize exposure of sensitive land uses to potentially hazardous or toxic substances. The nearest truck route to the Project site is approximately half a mile north on State Route (SR) 99. Close proximity to a designated truck route could allow for quick access and reduced travel distance of temporary hazardous materials along designated truck routes.

In addition, sanitary waste generated during construction would be managed through portable toilets located at reasonably accessible on-site locations. State and local regulatory compliance would require that the use of hazardous materials in excess of certain thresholds (generally 55 gallons of liquid, 200 cubic feet of gas, and 500 pounds of solids) would require the preparation, submission, and receipt of approval of a Hazardous Materials Business Plan (HMBP). The HMBP would contain detailed information, including an inventory of hazardous materials at the facility, emergency response plans and procedures in the event of a reportable release or threatened release of a hazardous material, and safety training for employees. Any operation established on the Project site would be required to comply with an approved HMBP as per State requirements, and compliance would allow operational activities to result in a less than significant impact.

Operation (post-construction)

Once constructed, the use of such materials as paint, bleach, etc., is considered common for residential developments. Residential developments are unlikely to have hazardous materials stored or used in such quantities that would be considered a significant hazard. The Project itself will not generate or use hazardous materials outside of Madera County Environmental Health Department requirements.

Based on the analysis above, Project construction and operation are not anticipated to result in significant impacts due to the transportation, use, or disposal of hazardous materials. 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 #3.4.9b – 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 discussion on Impact #3.4.9a, above.

Based on available historical documentation, the Project site consisted of agricultural land with a single-family residence and associated outbuildings from at least 1946 up to 2010. The agricultural fields were fallowed after 2010 (See's Consulting & Testing, Inc, 2026).

It was concluded that there are no known recognized environmental concerns in the Project site. There is an existing domestic water well, and an existing single-family residence with several outbuildings is currently on site. The residence is connected to municipal sanitary sewer, but considering the age of the residence, there potentially could be a septic system on the Project site. If a septic system is discovered during construction activities, the system should be properly destroyed in accordance with State and local guidelines. The water well will be abandoned per City and Madera County health standards prior to construction of the Project.

A review of the Geotracker database did not identify any active or historic hazardous material site or hazardous material cleanup site on or within 1,000 feet of the Project site (State Water Resources Control Board, 2026). The EnviroStor mapping tool identified one historic hazardous material site south of the Project site on Parkwood Elementary School grounds (Case #70000074). It's a closed case that warrants no further action, and there are no active hazardous material sites or clean-up sites within 1,000 feet of the Project site (California Department of Toxic Substances Control, 2026).

Consequently, the Project is not anticipated to create a significant hazard to the public or the environment through reasonably foreseeable upset and accident conditions. However, should an unknown septic system be uncovered during construction of the Project, implementation of MM HAZ-1 would reduce impacts that could result in upset or accidental hazardous material spills, which would be less than significant. Furthermore, the contractor or developer would be required to adhere to associated local and State guidelines when removing the existing agricultural well, which are intended to prevent significant upset or accident from potentially hazardous materials.

Considering that the existing house and outbuildings were originally constructed in 1947, there is a likelihood that the structures may have been painted with lead-based paint and constructed with materials that contain asbestos (Center for Disease Control, 2025; United

States Environmental Protection Agency, 2024). Therefore, as required by MM HAZ-2, prior to demolition of any structures, all of the potentially asbestos-containing material in the structures must be tested/surveyed for asbestos and lead content. If positive results are found, an Asbestos Notification will be submitted to the SJVAPCD, fees will be paid pursuant to Rule 3050, and any necessary abatement activities will be completed prior to demolition. Therefore, with the implementation of MM HAZ-1 and MM HAZ-2, the Project impacts would be less than significant

MITIGATION MEASURE(S)

MM HAZ-1: In the event that unknown underground storage tank(s) or a septic system are uncovered or damaged during excavation or grading activities, all work in that area shall cease. The State Water Resources Control Board (SWRCB) and the Madera County Environmental Health Division shall be contacted to determine what appropriate remediation may be required and to identify the appropriate requirements and approvals. A report of all communication and the determination made by the SWRCB and the County Health Division shall be submitted to the City.

MM HAZ-2: Prior to the start of the demolition of any existing structures on the Project site, an assessment of the existing buildings shall be performed by a certified consultant, notification shall be submitted to the San Joaquin Valley Air Pollution Control District, and any abatement requirements shall be completed in order to obtain an approved demolition permit. A copy of the approved demolition permit shall be submitted to the lead agency as evidence of compliance.

If no regulated asbestos or lead paint is found during the assessment, no further action is necessary.

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?

The nearest school to the Project site is Parkwood Elementary School, which is located approximately 78 feet south. The Project site and Packwood Elementary School are separated by Avenue 13 / East Pecan Avenue.

Exhaust from construction and related activities is expected to be minimal and would not create a significant impact. As noted in Impact #3.4.8a-b, the proposed Project's construction and operational CO_2e emissions were estimated to be minimal. Based on the predicted operational emissions and activity types, the proposed Project is not expected to affect any on-site or off-site sensitive receptors and is not expected to have any adverse impacts on any known sensitive receptors (QK, 2026a).

Projects are considered for potential health risks 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 HAPs during construction 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.

As noted in Impact #3.4.3c, SJVAPCD has set the level of significance for carcinogenic risk at twenty 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 non-cancer risk is a hazard index of 1.0. All receptors were modeled with a three-year exposure to construction activities. The carcinogenic risk and the HI for chronic non-cancer risk do not exceed the significance levels of twenty in one million (20 x 10-6) and 1.0, respectively, for the proposed Project. The PMIs are identified by receptor location and risk and are provided in Table 3.4.3-7. The maximum predicted cancer risk for the proposed Project is 17.4E-06. The maximum chronic non-cancer hazard index for the proposed Project is 1.02E-02. Since the PMI remained below the significance threshold for cancer and chronic risk, this Project would not have an adverse effect to any of the surrounding communities. Therefore, impacts would be less than significant.

MITIGATION MEASURE(S)

No mitigation is required.

LEVEL OF SIGNIFICANCE

Impacts would be *less than significant.*

Impact #3.4.9d – 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?

The California Department of Toxic Substances Control (DTSC) Envirostor website determined Cortese Act locations on or within one mile of the Project site (California Department of Toxic Substances Control, 2026). The proposed Project does not involve land that is listed as a hazardous materials site pursuant to Government Code Section 65962.5 and is not included on a list compiled by the Department of Toxic Substances Control. Therefore, the proposed Project would have no impact.

MITIGATION MEASURE(S)

No mitigation is required.

LEVEL OF SIGNIFICANCE

There would be *no impact*.

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?

There are no public or private airports within two miles of the Project site, and it is outside of the Airport Land Use Compatibility Plan (ALUCP) compatibility zones. The Project site is located approximately 4.50 miles southeast of the Madera Municipal Airport. Therefore, there would be a less than significant impact on people residing or working in the proposed Project area due to excessive noise or a safety hazard from an airport.

MITIGATION MEASURE(S)

No mitigation is required.

LEVEL OF SIGNIFICANCE

Impacts would be *less than significant*.

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

The General Plan EIR found that the General Plan buildout does not conflict with the City's emergency response and/or evacuation plans. It is further stated that an efficient roadway and circulation system is vital for the evacuation of residents and the mobility of fire suppression, emergency response, and law enforcement vehicles. Implementation of the General Plan will add additional traffic and residences requiring evacuation in case of an emergency. Implementation of the proposed roadway system under the proposed General Plan Update would provide for a "modified grid" roadway system, particularly for new development, and encourage pedestrian circulation access around the city and at the neighborhood level through the design of roadways and pedestrian facilities. Implementation of the proposed roadway system within the General Plan Update would improve city roadway connectivity, allowing for better emergency vehicle access to residences as well as evacuation routes for area residents. The proposed Project will comply with City road standards for new subdivisions, such as but not limited to, requirements found in Chapter 2 (Subdivisions) of the City's Municipal Code.

Adopted General Plan policies and action plans related to an emergency response plan or emergency evacuation plan include the following:

- Action HS-8.1: Adopt an All Hazards (natural and manmade) Disaster Plan. The Plan should be sufficiently broad in scope to include the designation of evacuation routes, staging areas, shelters, PODs (points of distribution), and protocols for coordinating

all local government and volunteer agencies in assisting local residents in the event of a major earthquake, large-scale fire or explosion, or hazardous chemical spill or release of hazardous airborne gas.

- Policy HS-34: The City shall continue to maintain and update emergency service plans, including the Madera City Fire Department Emergency Operations Plan and the Hazardous Material Spills Emergency Response Plan.

- Action 34. (HAZ-MAT Response): Identify training, gear and equipment that will bring the county HAZ-MAT Team to a State Recognized Team.

The proposed Project will comply with all guidelines required by the City of Madera General Plan policy and action. The proposed Project would not significantly impair the implementation of, or physically interfere with, an adopted emergency response plan or emergency evacuation plan. Therefore, the proposed Project would have a less-than-significant impact.

The proposed Project would not significantly impair the implementation of, or physically interfere with, an adopted emergency response plan or emergency evacuation plan. Therefore, the proposed 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 proposed Project is surrounded by a mix of residential, rural residences, and agricultural-related uses, and does not consist of any wildlands (CAL FIRE, 2026b). According to available data from the California Department of Forestry and Fire Protection (CAL FIRE), the Project site is within the Local Responsibility Area (LRA) of the Madera Fire Department. The Madera Fire Department is managed by CAL FIRE personnel and the City Council to provide emergency services, prevention compliance, and public safety support (City of Madera, 2026a). The Project site is located in an area where the State Fire Marshal has identified as having no Fire Hazard Severity Zone in the Local Responsibility Area, per Government Code section 51178 (CAL FIRE, 2026a). Furthermore, the Project site is generally flat, and by implementing State and local Fire Code requirements, the Project would not exacerbate the risk of exposure of Project occupants to wildfire. 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
3.4.10 - HYDROLOGY AND WATER QUALITY				
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 onsite or offsite?	☐	☐	☒	☐
(ii) Substantially increase the rate of amount of surface runoff in a manner which would result flooding onsite 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; or	☐	☐	☒	☐
(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?	☐	☐	☒	☐

The following analysis is supported in part by the Water Use Estimate Memorandum prepared for this Project (QK, 2026c) attached as Appendix D.

Discussion

Impact #3.4.10a – Violate any water quality standards or waste discharge requirements or otherwise substantially degrade surface water quality?

Project construction would cause 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 polluted runoff, which is also a potentially significant impact. However, the potential consequences of any spill or release of these types of materials from construction are generally small due to the localized, short-term nature of such releases.

As noted in Impact #3.4.7b, the Project is anticipated to require the grading of more than one acre of soil, which would require the filing of an NOI to comply with the NPDES General Construction Permit and prepare a SWPPP. As such, the Project will implement an approved SWPPP that specifies BMPs to prevent construction pollutants from contacting stormwater, with the intent of keeping all products of erosion from moving offsite. Once constructed, water runoff on pervious features (driveways, sidewalks, etc.) would utilize storm drainage infrastructure that is compliant with City standards or percolate back into the ground through pervious site features (landscaping and open spaces outlots). General Plan Policy CON-10 seeks to minimize toxic runoff from such sources as homes and roadways. With compliance with required State and local regulations, the Project would not violate any water quality standards or waste discharge requirements that would substantially degrade surface water quality. Therefore, impacts would be less than significant.

MITIGATION MEASURE(S)

No mitigation is required.

LEVEL OF SIGNIFICANCE

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

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

City of Madera Urban Water Management Plan

The City would provide water to the Project site. The City is entirely reliant on groundwater sources for their water supply; it is not anticipated that this will change in the near future with regard to water supply for potable consumption. The City's groundwater supplies are extracted from the Madera Subbasin. While the basin does not have legal limitations on groundwater pumping, the City is a participant in the City of Madera Groundwater Sustainability Agency (CMGSA) and a party to the Madera Subbasin Joint Groundwater Sustainability Plan (MJGSP). The CMGSA is working cooperatively with the six other GSAs in

the Madera Subbasin to manage the groundwater aquifer and reach sustainability by 2040. As part of those efforts, the agencies have agreed to manage groundwater extraction in a way that does not cause undesirable results in the aquifer.

The California Water Code requires urban water suppliers within the state to prepare and adopt Urban Water Management Plans (UWMPs) to maintain efficient use of urban water supplies, continue to promote conservation programs and policies, ensure that sufficient water supplies are available for future beneficial use, and provide a mechanism for response during water drought conditions (City of Madera, 2022).

Project's Estimated Water Use

The total water demand for the Project during construction, primarily for dust control, would be approximately 9.88 acre-feet (AF) (QK, 2026c). Post construction, the estimated average water demand for the proposed Project would be 0.046 AF per day, or 16.79 AFY. The City's UWMP projects that the City's five consecutive dry years supply and demand would be 16,392 AF in the year 2040. The Project's annual water demand represents 0.10 percent of the City's total water demand, which is a small fraction of the available water supply. Furthermore, the City's Subdivision Ordinance requires that the Engineering Department review and approve improvements in connection with all final maps, including water supply for domestic use and improvement plans (Madera Code of Ordinances § 17.06.060 (D)).

To conserve water and comply with the State's Model Water Efficiency Landscape Ordinance (MWELO), the Project will utilize high-efficiency irrigation systems and install low-flow appliances.

Additionally, the Project would convert a property that is currently predominantly pervious surfaces to impervious surfaces, although each home will have a yard and landscaping to allow for stormwater to percolate back into the underlying groundwater system. Outlots A and B will also be dedicated to landscaping and open space, which will provide more pervious surfaces that will slow runoff and allow for recharge into the groundwater system. Therefore, given the Project's water demands and compliance with City and State requirements, impacts will 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 or through the addition of impervious surfaces, in a manner which would result in substantial erosion or siltation on- or off-site?

The proposed Project will not alter a stream or river, as there are no water features on the site. As discussed in Impact #3.4.10a above, the Project would be required to comply with SWPPP BMPs that would prevent substantial erosion or siltation on or off-site during construction. The Project will be required to design and construct stormwater drainage infrastructure in accordance with City standards, which is, according to City Municipal Code Section 10-2.702.2, designed for the ultimate development of the watershed. Therefore, the proposed Project would have a less than significant impact on compliance with regulatory requirements, as applicable.

MITIGATION MEASURE(S)

No mitigation is required.

LEVEL OF SIGNIFICANCE

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

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 through the addition of impervious surfaces, in a manner which would substantially increase the rate or amount of surface runoff in a manner which would result in flooding on- or off-site?

See discussion in Impact #3.4.10c(i).

Ground-disturbing activities related to Project construction, such as grading, excavation, placing fill, and trenching, could change existing surface drainage patterns and increase the potential for flooding, particularly during storm events. Regulatory mechanisms in place that would reduce the effects of construction activities on drainage patterns that would result in flooding on or off the construction site include compliance with the City's subdivision review process and the NPDES Construction General Permit.

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. With the implementation of such measures, the Project would not substantially increase the amount of runoff to result in flooding on- or off-site.

Once constructed, the Project would include lawns, landscaping and open space that will allow stormwater to percolate back into the groundwater system in addition to the construction of City-compliant storm drain lines that would direct stormwater into the existing system to reduce the rate of surface runoff and avoid flooding on- or off-site. Therefore, impacts would be less than significant.

MITIGATION MEASURE(S)

No mitigation is required.

LEVEL OF SIGNIFICANCE

Impacts would be *less than significant*.

Impact #3.4.10c(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?

See Impact #3.4.7b and c and Impact #3.4.10a, c(i), and c(ii).

The Project would comply with all applicable State and City codes and regulations related to stormwater and soil erosion. The Project will be required to maintain stormwater onsite during construction, and engineering calculations will support the storm drainage plan to ensure that the Project does not create or contribute to 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)

No mitigation is required.

LEVEL OF SIGNIFICANCE

Impacts would be *less than significant.*

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 noted in Impact #3.4.4c, the Project is not within a FEMA-identified hazard area. The Project would be required to comply with the NPDES Construction General Permit by preparing a SWPPP to specify BMPs to prevent construction pollutants.

As noted in Impact # 3.4.10c(i) through Impact #3.4.10c(iii), the proposed Project will not impede or redirect floodwaters and will not change the drainage pattern of the site or the area through the alteration of the course of a stream or river or through the addition of impervious surfaces, in a manner that would impede or redirect flood flows. Therefore, the proposed 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 #3.4.10d – 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.). Tsunamis are waves generated in oceans from seismic activity. Due to the inland location of the site, tsunamis are not considered a hazard for the site. Therefore, there is no potential for the site to be inundated by a tsunami or mudflow.

A seiche is a wave generated by the periodic oscillation of a body of water whose period is a function of the resonant characteristics of the containing basin as controlled by its physical dimensions. The Project site is not adjacent to a large body of water that would be vulnerable to the development of a seiche. There is no potential for the inundation of the Project site by seiche.

As noted, the Project is not located within a special flood hazard zone. Additionally, the Project is generally flat, as is the surrounding area, and the City is not located near any body of water where a tsunami or seiche would have the potential to significantly impact the Project sites.

The General Plan EIR indicates that the Hidden Dam located at Hensley Lake could potentially result in the inundation of properties within the City. The probability is not considered to be a reasonably foreseeable event, and impacts are considered less than significant (City of Madera, 2009a). As the Project is not within a special flood hazard area, is not located in an area where tsunami or seiche risks are present, and inundation due to a dam failure is not likely to occur, the Project is anticipated 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 #3.4.10e – Would the Project conflict with or obstruct implementation of a water quality control plan or sustainable groundwater management plan?

See Impact #3.4.10a and Impact #3.4.10b.

The California Sustainable Groundwater Management Act (SGMA) was enacted by the State of California in 2014 and provides a guideline for regulating groundwater production. SGMA also gives local agencies the ability to manage groundwater and create Groundwater Sustainability Agencies (GSA). The GSA is responsible for developing and implementing a Groundwater Sustainability Plan (GSP). The purpose of the GSP is to provide measurable goals to prevent unreasonable physical harm to the basin or the water resource. The Project is located within the Madera Subbasin and is associated with the Madera Subbasin Joint Groundwater Sustainability Plan. The goal of the GSP is to ensure the sustainability of the subbasin. This Project is to be regulated under these policies.

Furthermore, as part of State requirements, from CALGreen and MWELO, all new developments within the City must meet these efficiency standards. Accordingly, the proposed Project will incorporate low-flow faucets, kitchen faucets, and toilets in accordance with CALGreen Code, and include low-water-use landscaping and high-efficiency irrigation systems to minimize outdoor water use in compliance with MWELO. The proposed Project will not conflict with or obstruct the implementation of the Madera Subbasin Joint Groundwater Sustainability Plan. 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
3.4.11 - 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?

The physical division of an established community typically refers to the construction of a physical feature (such as an interstate highway or railroad tracks) or the removal of a means of access (such as a local road or bridge) that would impair mobility within an existing community, or between a community and outlying areas. For instance, the construction of an interstate highway through an existing community may constrain travel from one side of the community to another; similarly, such construction may also impair travel to areas outside of the community.

The Project site is generally surrounded by agricultural land to the north, rural residential to the east and west and Parkwood Elementary School and medium density residential subdivisions to the south. The proposed Project would subdivide five acres into 33 medium density residential lots with internal access roads in accordance with City standards. T Furthermore, residential development on the Project site has been planned for by the City's General Plan and would not divide an established community. The Project is not being built in a pre-existing community area and would not create any physical barrier between an established community. These improvements would not affect connectivity and would not divide an established community. Therefore, the Project would have no impact.

MITIGATION MEASURE(S)

No mitigation is required.

LEVEL OF SIGNIFICANCE

There would be *no impact*.

Impact #3.4.11b – 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 proposed Project is consistent with General Plan Policy LU-20 (Sense of Identity in New Residential Development) and LU-22 (Outdoor Recreational Space in SF Development) by incorporating sidewalks throughout the proposed residential subdivision that connect to East Pecan Avenue / Avenue 13 and by including two outlots dedicated to landscaped areas and open spaces that could potentially be utilized as future outdoor gathering spaces for residences living in the neighborhood.

The Project includes a GPA from the VLD residential land use designation to a MD residential designation. For maximum utility of the site, a rezone from the RA zone district (density of one unit/12,000 sq ft) to the PD 3000 zone district (density of one unit/3,000 sq ft) is also requested as part of the entitlements package. TSM 2025-05 will be designed and consistent with City standards related to subdivisions (Chapter 2) and the intended residential use is consistent with the City's zoning regulations (Chapter 3). The proposed Project does not consist of elements that would cause a significant environmental impact. Therefore, the Project will have a less than significant impact.

MITIGATION MEASURE(S)

No mitigation 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
3.4.12 - 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?

No current mineral extraction activities exist on the proposed Project site nor are any mineral extraction activities included in the proposed Project design. The City of Madera General Plan EIR found that General Plan implementation would not have the potential to affect the availability or any State or locally designated mineral resource. Therefore, the proposed Project would not result in the loss of availability of mineral resources as the proposed Project does not propose the extraction of mineral resources. Additionally, the proposed Project would not restrict the ability of mineral rights holders in the area to exercise their legal rights to access surrounding sites for the exploration and/or extraction of underlying oil resources or other natural resources.

The proposed 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. Therefore, the proposed Project would have no impacts.

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?

Pursuant to the General Plan EIR, the City does not have the potential to affect the availability of any State or locally designated mineral resource. Therefore, as the Project site is located within the City , it can be seen that Project development would not impact any locally important mineral resource recovery site delineated on a local general plan or other land use plans. Therefore, there would be no impact.

MITIGATION MEASURE(S)

No mitigation is required.

LEVEL OF SIGNIFICANCE

The Project would result in ***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.	Generation of a substantial temporary or permanent increase in ambient noise levels in the vicinity of the Project in excess of standards established in a local general plan or noise ordinance or applicable standards of other agencies?	☐	☒	☐	☐
b.	Generation of excessive groundborne vibration or groundborne noise levels?	☐	☐	☒	☐
c.	For a Project located within the vicinity of a private airstrip or an airport land use plan or, where such a plan has not been adopted, within two miles of a public airport or public use airport, would the Project expose people residing or working in the Project area to excessive noise levels?	☐	☐	☐	☒

The following analysis is based on the Acoustical Analysis prepared for this Project (WJV Acoustics, INC., 2026) attached as Appendix E.

Discussion

Impact #3.4.13a –Would the Project result in generation of a substantial temporary or permanent increase in ambient noise levels in the vicinity of the Project in excess of standards established in a local general plan or noise ordinance or applicable standards of other agencies?

Construction

Project construction would result in short-term noise impacts on nearby sensitive receptors. Maximum construction noise would be short-term, generally intermittent depending on the construction phase, and variable depending on receiver distance from the active construction zone. The duration of noise impacts generally would be from one day to several days, depending on the phase (e.g., demolition, land clearing, grading, excavation, erection) of construction. Noise produced by construction equipment such as earthmovers, material handlers, and portable generators can reach high levels. Generally, the grading phase of construction involves the most equipment and generates the highest noise levels, although noise ranges are usually similar across all construction phases.

Under the City Municipal Code, Section 3-11.02, between the hours of 8 PM and 6 AM of the following day, noise sources associated with operating or causing the operation of any tools or equipment used in construction, drilling, repair, alteration, remodeling, paving, or grading of any real property or demolition work that creates sound are prohibited. Construction-related activities would be restricted to daytime hours and would be short-term, temporary, and intermittent in nature. Therefore, noise impacts during the Project's construction phase would be less than significant.

Operation (post-construction)

The Noise Element of the City of Madera General Plan (Noise Element) establishes noise level compatibility standards in terms of the Day-Night Average Level (L_{dn}) or Community Noise Equivalent Level (CNEL) (WJV Acoustics, INC., 2026). For transportation noise sources, the Noise Element establishes an exterior noise exposure of less than 60 dBA L_{dn} as "completely compatible", an exterior noise exposure of 60-70 dBA L_{dn} as "tentatively compatible", an exterior noise exposure of 70-75 dBA L_{dn} as "normally incompatible," and an exterior noise exposure exceeding 75 dB L_{dn} as "completely incompatible". Exterior noise level standards are typically applied to individual outdoor activity areas, such as the backyard of a single-family residence. Noise Element requires that interior noise levels attributable to exterior transportation noise sources not exceed 45 dB L_{dn}. The intent of the interior noise level standard is to provide an acceptable noise environment for indoor communication and sleep.

Exterior Noise Levels

The Project site is exposed to traffic noise associated with vehicles traveling on East Pecan Avenue. The approximate distance from the centerline of East Pecan Avenue to the center of the backyards of the closest proposed lots to the roadway is approximately 85 feet. Noise exposure from traffic on East Pecan Avenue (Avenue 13) was calculated for Existing and 2046 traffic conditions using the findings of on-site noise level measurements, the Federal Highway Administration (FHWA) Traffic Noise Model and traffic data provided by the Madera County Transportation Commission (WJV Acoustics, INC., 2026). Traffic noise exposure at the closest proposed lots to East Pecan Avenue (Avenue 13) would be approximately 56 dB L_{dn} for existing conditions and approximately 57 dB L_{dn} for future (2046) traffic conditions on East Pecan Avenue. These noise exposure levels are "Completely Compatible" by the City of Madera, and mitigation measures are not required for compliance with the City's applicable exterior noise level standard.

Furthermore, the northernmost proposed residential lots would be located approximately 1,300 feet from the centerline of SR 99. During the Project site visit, noise levels were measured to be approximately 47 dB L_{eq}. The above-described FHWA traffic noise model becomes less accurate at distances in excess of approximately 500 feet, where atmospheric and ground absorption become a more prominent factor in noise transmission. As such, it is not considered to be accurate when calculating overall noise exposure at greater distances. Based upon the ambient noise measurement conducted in the vicinity of Lot 1, overall noise exposure within these northernmost lots would not exceed 55 dB L_{dn}, and exterior noise

mitigation is not required for noise compliance. Therefore, exterior noise impacts would be less than significant.

Interior Noise Levels

The City's interior noise level standard is 45 dB L_{dn}. The worst-case future noise exposure within the proposed residential development would be approximately 57 dB L_{dn}. This means that the proposed residential construction must be capable of providing a minimum outdoor-to-indoor noise level reduction (NLR) of approximately 12 dB (57-45=12). It may be assumed that residential construction methods complying with current building code requirements will reduce exterior noise levels by approximately 25 dB if windows and doors are closed. This will be sufficient for compliance with the City's 45 dB L_{dn} interior standard at all proposed lots. Requiring that it be possible for windows and doors to remain closed for sound insulation means that air conditioning or mechanical ventilation will be required and interior noise impacts would be less than significant with the implementation of Mitigation Measure NSE-1.

MITIGATION MEASURE(S)

NSE-1: Mechanical ventilation or air conditioning shall be provided for all homes so that windows and doors can remain closed for sound insulation purposes.

LEVEL OF SIGNIFICANCE

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

Impact #3.4.13b – Would the Project result in generation of excessive groundborne vibration or groundborne noise levels?

There are no federal or State standards that address construction noise or vibration. Additionally, the City does not have regulations that define acceptable levels of vibration. One reference suggesting vibration standards is the Federal Transit Administration (FTA) publication concerning noise and vibration impact assessment from transit activities. Although the FTA guidelines are to be applied to transit activities and construction, they may be reasonably applied to the assessment of the potential for annoyance or structural damage resulting from other activities. To prevent vibration annoyance in residences, a level of 80 VdB (vibration velocity level in dB) or less is suggested when there are fewer than 70 vibration events per day.

A level of 100 VdB or less is suggested by the FTA guidelines to prevent damage to fragile buildings. Table 3.4.13-1 describes the typical construction equipment vibration levels. While these construction-related activities would result in groundborne vibration, such groundborne noise or vibration, would attenuate rapidly from the source and would not be generally perceptible outside of the construction-related areas. In addition, there would not be any vibrational impacts from operation and maintenance activities at the tank and pump station facility.

Table 3.4.13-1
Typical Construction Equipment Vibration Source Levels

Equipment	PPV at 25 ft. (in/sec)	Approximate L_v*at25 ft.
Large bulldozer	0.089	87
Caisson drilling	0.089	87
Loaded trucks	0.076	86
Jackhammer	0.035	79
Small bulldozer	0.003	58

** RMS velocity in decibels (VdB) re 1 minch/second*

Construction-related activities in general can have the potential to create groundborne vibrations. However, based on the soil types found in the general proposed Project vicinity, it is unlikely that any blasting or pile-driving would be required in connection with construction of the proposed Project. Therefore, the potential for groundborne vibrations to occur as part of construction-related activities of the proposed Project will be considered excessive. Furthermore, the operation of the proposed Project would not contain any activities that would create excessive groundborne vibrations. The proposed Project would not result in excessive vibratory exposure to residents or generate excessive groundborne vibration or groundborne noise levels. Therefore, the proposed 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 #3.4.13c – 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?

The Madera Municipal Airport (Public) is approximately 4.50 miles northwest of the Project site. The nearest private airport is the El Peco Ranch Airport-49CL, located approximately 7.66 miles southwest of the Project site. Therefore, the Project site is not within two miles of a public or private use airport. 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
3.4.14 - POPULATION AND HOUSING				
Would the Project				
a. Induce substantial unplanned population growth in an area, either directly (for example, by proposing new homes and businesses) or indirectly (for example, through extension of roads or other infrastructure)?	☐	☐	☒	☐
b. Displace substantial numbers of existing people or housing, necessitating the construction of replacement housing elsewhere?	☐	☐	☒	☐

Discussion

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

Population forecasts adopted by the City's most recent Housing Element (2016-2024) indicate that the City's population will grow from 98,914 in 2020 to 137,975 in 2035. The average household size in the City is approximately 3.81 persons per household. The Project proposes to develop 33 single-family homes, which would account for approximately 126 people. It is assumed that some of the current residents in the City would purchase a home in this subdivision, and a portion of home buyers would be from outside the City.

Therefore, the Project would conservatively generate approximately 0.09 percent of the projected 2035 population previously analyzed by the Housing Element. Therefore, the Project would not induce substantial unplanned population growth in an area by proposing new homes. Impacts would be less than significant.

MITIGATION MEASURE(S)

No mitigation is required.

LEVEL OF SIGNIFICANCE

Impacts would be *less than significant*.

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

One existing single-family residence would be demolished prior to construction of the proposed Project. The Project proposes to construct 33 single-family residences. In addition, it is anticipated that construction-related workers would come from the surrounding area and would not require new housing. Therefore, the Project would not displace substantial numbers of existing people or housing, necessitating the construction of replacement housing elsewhere. Therefore, the proposed 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
3.4.15 - 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 - 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:

(i) - Fire Protection?

The Madera Fire Department (MFD) would provide fire protection and emergency medical services to the Project site, which is strategically managed by CAL FIRE personnel and the Madera City Council to provide emergency services, prevention compliance and public safety support (City of Madera, 2026a). There are three cooperative fire stations in the City:

1) Fire Station #56 at 317 N Lake Street

2) Fire Station #57 at 200 S Schnoor Street

3) Fire Station #58 at 2558 Condor Drive

Fire Station #56 is the nearest to the Project site, located 2.25 miles northwest.

The Project would be required to comply with all applicable fire and building safety codes (California Building Code and Uniform Fire Code) to ensure fire safety elements are incorporated into the final Project design. Proposed interior streets will be required to provide appropriate widths and turning radii to safely accommodate emergency response and the transport of emergency/public safety vehicles. The Project will also be designed to meet Fire Department requirements regarding water flow, water storage requirements, hydrant spacing, infrastructure sizing, and emergency access. TSM 2025-05 includes emergency access from the south end of the internal cul-de-sac to allow for faster response. The proposed Project could add to the population served; however, the Fire Department has the opportunity to review and comment on the Project design and department capacity during the review period of the proposed subdivision.

Prior to the issuance of any building permits related to future development of the site, the developer will be required to pay development impact fees as outlined in Chapter 8 of the City's Municipal Code. A portion of those funds will be specifically earmarked for the use of the MFD to maintain an adequate level of service within its service boundary. The entire Project, whether submitted in phases or not, will be subject to review by the City Engineering, Public Works, and Fire Department in order to determine whether the Project's infrastructure design is in compliance with City policies for development. The Project's water system will be reviewed to verify that the system can supply the required fire flow for fire protection purposes. The establishment of gallons-per-minute requirements for fire flow shall be based on the review of the MFD. As such, impacts would be less than significant.

MITIGATION MEASURE(S)

No mitigation is required.

LEVEL OF SIGNIFICANCE

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

(ii) – Police Protection?

The Madera Police Department (MPD) provides law enforcement services for the City. A 2024 Annual Report I indicates that the MPD has 74 sworn officers with an average emergency response time of four minutes and 40 seconds (Madera Police Department, 2024). The MPD has one station located at 330 S C Street, which is approximately 1.50 miles north of the Project site.

The proposed Project could add up to 124 residents to the population served; however, the MPD had the opportunity to review and comment on the Project design and department capacity during the review period of TSM 2025-05.

In addition, the Project applicant will be required to pay all associated impact fees related to public services, including police protection, as outlined in Chapter 8 of the City's Municipal Code. As such, impacts would be less than significant.

MITIGATION MEASURE(S)

No mitigation is required.

LEVEL OF SIGNIFICANCE

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

(iii) – Schools?

The Project proposes to construct 33 single-family homes. Public schools in the Planning Area are administered by the Madera Unified School District (MUSD). According MUSD student generation factors in the General Plan's EIR, the proposed Project would generate approximately 14.22 K-6 students, 3.34 7-8 students, and 6.53 9-12 students for a total of approximately 24.09 students. These students would be served by the following schools:

Table 3.4.15-1
Schools in Project Vicinity

School	Distance from Project Site
Parkwood Elementary School (K-6)	78 feet south
Martin Luther King Jr Middle School (7-8)	1.56 miles north
Madera South High School (9-12)	1.16 miles west

Source: (Madera USD, 2026)

The Project would generate a nominal increase in student population and may include students that are relocating within the same school boundary area. Furthermore, pursuant to California Education Code Section 17620(a)(1), the governing board of any school district is authorized to levy a fee, charge, dedication, or other requirement against any construction within the boundaries of the district for the purpose of funding the construction or reconstruction of school facilities. The Project applicant would be required to pay such fees to reduce any impacts of new residential development of school services. Payment of the developer fees will offset the addition of school-age children within the district. Therefore, impacts would be less than significant.

MITIGATION MEASURE(S)

No mitigation is required.

LEVEL OF SIGNIFICANCE

Impacts would be *less than significant.*

(iv) – Parks?

The City's parkland standard is 3.0 acres per 1,000 residents (City of Madera, 2009b). As discussed in Impact #3.4.14a, the Project would generate approximately 126 residents. Therefore, the Project would need 0.38 acres or 16,552.80 sq ft of parkland to meet the City's parkland standard. The Project will dedicate Outlot B, which is 564 sq ft to landscaping and open space.

According to City Municipal Code, a fee shall be paid for park development by the developer of each new dwelling unit irrespective of whether the developer is required to dedicate land as set forth in § 10-2.1304 and/or pay fees in lieu of land dedication as set forth in § 10-2.1306. Therefore, given the required payment of park development impact fees, the Project would result in a less than significant impact.

MITIGATION MEASURE(S)

No mitigation is required.

LEVEL OF SIGNIFICANCE

Impacts would be *less than significant.*

(v) – Other Public Facilities?

See Impact #3.4.15a(i) through (iv) above.

Community facilities are the network of public and private institutions that support the civic, social, and health needs of the population. They offer a variety of recreational, artistic, and educational programs and special events. The closest library (Madera County Library) is located approximately 1.80 miles northwest of the Project site. The nearest healthcare centers (Camarena Health – Almond Health Center) are located 0.41 miles northwest of the Project site, and the nearest hospital (Madera Community Hospital) is 0.20 miles north of the Project site.

As discussed in Impact #3.4.14a, the Project will include up to 126 residents, which represents a small increase in overall City population growth. The Project also proposes to develop in an area where planned residential growth is anticipated in the General Plan. Development fees will be paid to offset the increased demand for public services such as animal control, libraries, and other government facilities. Therefore, the proposed Project would result in 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
3.4.16 - 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 discussion in Impact #3.4.15a(iv). As noted previously, the Project will include up to 126 residents, which represents a small increase in overall City population growth. There are two parks within a mile radius of the Project site (Road 28 Park and Parkwood Park). The Project would be required to pay development impact fees to offset the growth of the proposed Project. Therefore, there would be a less than significant impact on existing neighborhood parks, regional parks, or other recreational facilities.

MITIGATION MEASURE(S)

No mitigation is required.

LEVEL OF SIGNIFICANCE

Impacts would be *less than significant.*

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

The proposed Project does not include recreational facilities or require the construction or expansion of recreational facilities that might have an adverse physical effect on the environment; therefore, no impact is anticipated.

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
3.4.17 - TRANSPORTATION					
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?	☐	☐	☒	☐

The analysis in this section is supported in part by a Trip Generation Memorandum prepared for this Project (QK, 2026d), attached as Appendix E.

Discussion

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?

Bikeways

The Madera County Transportation Commission (MCTC) 2018 Madera Active Transportation Plan (ATP) classifies bicycle facilities into the following types:

- Class I Bikeway (Bike Path) – Provides a completely separated right-of-way for exclusive use of bicycles and pedestrians with crossflow minimized.
- Class II Bikeway (Bike Lane) – Provides a striped lane for one-way bike travel on a street or highway.
- Class III Bikeway (Bike Route) – Provides a shared use with pedestrians or motor vehicle traffic, typically on lower volume roadways.

- Class IV Bikeways (Separated Bikeways) – Provides a protected lane for one-way bike travel (one-way cycle track) and protected lanes for two-way bike travel (two-way cycle track) on a street or highway.

Class II (Bike Lane) Bikeways exist in the vicinity of the Project site. The 2025 ATP Amendment document proposes that Class II Bikeways be implemented along the segment of East Pecan Avenue that the Project site is listed on (Madera County Transportation Commission (MCTC), 2025).

Walkways

The ATP recommends that more sidewalks be constructed to improve pedestrian safety and promote alternative modes of transportation. It is stated that the needs of pedestrians shall be considered and accommodated in all roadway construction and renovation projects. The proposed Project will comply with the MCTC ATP, City standards, and the California Building Code and construct ADA compliant pedestrian sidewalks along internal streets connecting to all external sidewalks and along its frontage to East Pecan Avenue.

Transit

According to the ATP, Madera County is served by four primary transit services:

1. The Madera County Connection provides regional fixed-route mass transit service

2. The Madera Area Express (MAX) (Madera Metro) provides local fixed-route services for the City of Madera

3. The Chowchilla Area Transit Express (CATX) provides on-demand dial-a-ride service within Chowchilla and to Fairmead

4. The Yosemite Area Regional Transportation System (YARTS) provides a connection between the Yosemite Valley Visitors Center and Fresno with stops in Oakhurst, Coarsegold, and Park & Ride lot accessible from the City of Madera

The nearest bus stop is on the corner of Raymond Thomas Street and East Pecan Avenue of the Green Line/Route 3 of Madera Metro, located approximately 0.20 miles west of the Project site.

Roadway Network

The Project site is bounded by East Pecan Avenue (also called Avenue 13) to the south and Apricot Lane to the west and is approximately 0.25 miles west of SR 99. Access to the Project site will be from Apricot Lane, which is off of East Pecan Avenue.

Project Vehicle Trip Generation

The proposed Project includes the construction of 33 single-family residential units. Trip generation estimates represent gross vehicle trips entering and exiting the project site and do not account for internal capture, pass-by trips, or trip reductions related to telecommuting or alternative transportation modes. This conservative approach is consistent with CEQA screening-level traffic analysis practices. The trip generation rates for the proposed Project were obtained from the *11th Edition of the Trip Generation Manual published by the Institute of Transportation Engineers* (ITE). Table III presents the trip generation for the proposed Project with trip generation rates for Single-Family Detached Housing (210). At buildout, the proposed Project is estimated to generate approximately 310 daily trips, 25 AM peak hour trips and 31 PM peak hour trips. These trips would be distributed onto the surrounding roadway network via East Pecan Avenue and Apricot Lane, consistent with typical residential travel patterns in the project vicinity.

The proposed Project represents a small residential subdivision with trip generation levels typical of low- to medium-density residential development. With approximately 310 daily trips and no more than 31 trips during the peak hour, the Project would not be expected to substantially increase traffic volumes on surrounding local roadways. Based on commonly applied CEQA thresholds used by cities in the San Joaquin Valley, including screening criteria for vehicle trips generated and roadway capacity, the Project's traffic impacts would be considered less than significant. No detailed traffic impact study or intersection capacity analysis is warranted for the proposed development.

Conclusion

The proposed Project will not construct any new circulation (transit) systems, roadways, or bicycle and pedestrian facilities. The proposed Project would result in short-term, temporary, and intermittent traffic impacts during construction-related activities. As discussed in the above analysis, the proposed Project would be consistent with the General Plan and ATP and thereby would not conflict with a program, plan, ordinance, or policy addressing bicycle, transit, roadway or pedestrian facilities. Therefore, impacts are considered less than significant.

MITIGATION MEASURE(S)

No mitigation is required.

LEVEL OF SIGNIFICANCE

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

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

The Technical Advisory on Evaluating Transportation Impacts in CEQA published by the Governor's Office of Planning and Research (OPR) notes land use projects such as residential,

office, and retail tend to have the greatest influence on VMT. For that reason, OPR recommends the quantified thresholds described above for purposes of analysis and mitigation. Lead agencies, using more location specific information, may develop their own more specific thresholds, which may include other land use types." Neither the City of Madera nor the County's Regional Transportation Planning Agency (Madera County Transportation Commission (MCTC)), have established VMT thresholds or guidelines. Since the MCTC and the City of Madera do not have established thresholds or guidelines, the State guidelines, including the Technical Advisory document mentioned above, have been utilized as the default methodology used to analyze VMT impacts.

According to OPR's Technical Advisory, lead agencies may use "screening thresholds" to identify when a project should be expected to create a less-than significant impact without conducting a detailed study. One of the screening methods to screen out VMT impacts for residential project is to use map-based screening. Residential projects that are in areas with low VMT, and that incorporate similar features (i.e., density, mix of uses, transit accessibility), will tend to exhibit similarly low VMT.

Generally, a travel survey or travel demand model can illustrate areas that are currently below threshold VMT. Because new development in such locations would likely result in a similar level of VMT, such maps can be used to screen out residential projects from needing to prepare a detailed VMT analysis. The proposed Project could generate approximately 310 daily vehicle trips (ADT). MCTC developed a VMT Screening Map which shows the proposed Project is in the Traffic Analysis Zone (TAZ) 244, which is designated as having a VMT per capita by TAZ as 15 percent or more below average, as shown in Figure 3.4.17-1. As such, the VMT generated by the proposed Project would be below significance thresholds. Therefore, the Project is not in conflict and would be consistent with CEQA Guidelines Section 15064.3, subdivision (b). Impacts are less than significant.

MITIGATION MEASURE(S)

No mitigation is required.

LEVEL OF SIGNIFICANCE

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

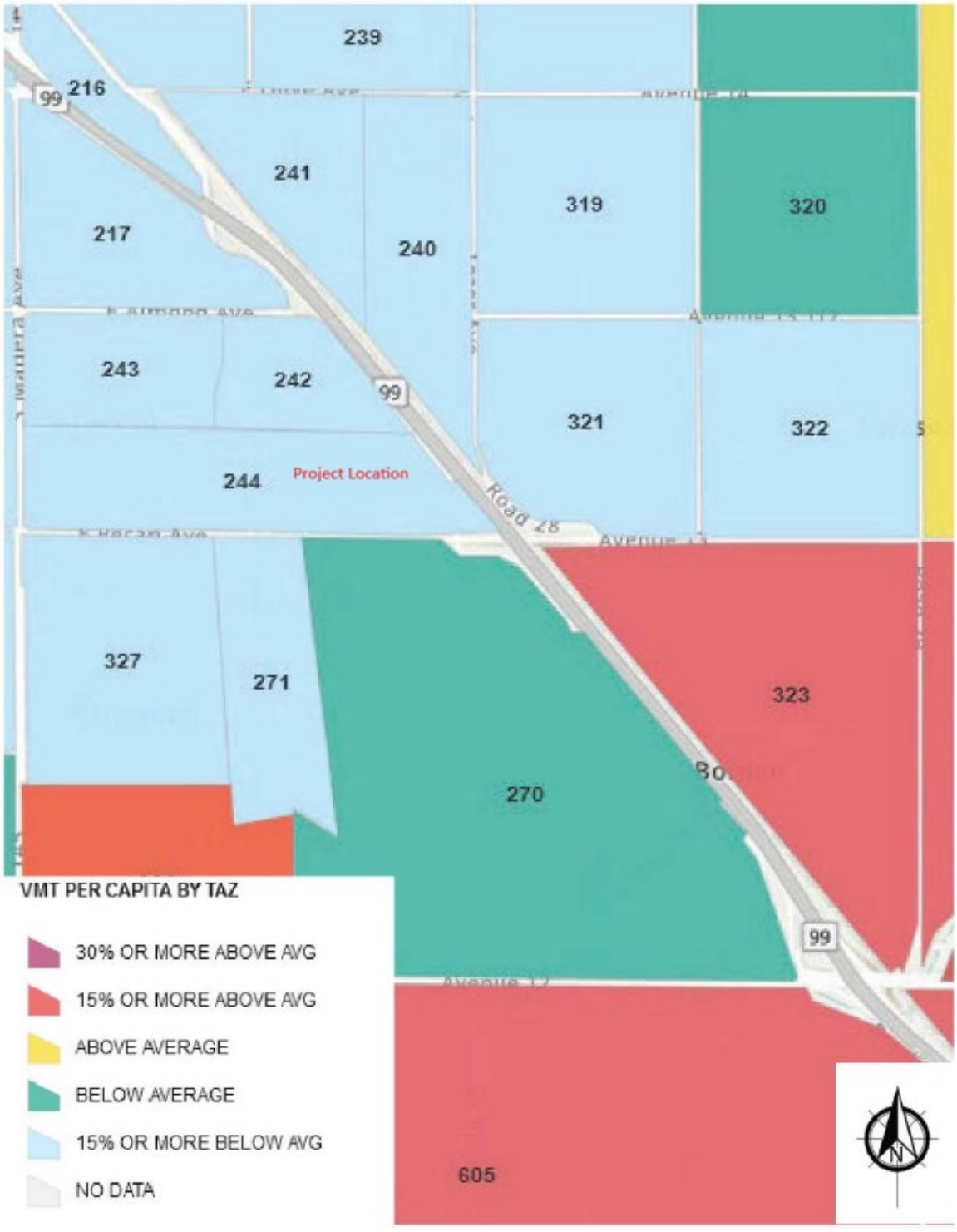


Figure 3.4.17-1
VMT Screening Map

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 does not propose any incompatible uses or include any design features that could increase traffic hazards. Future development of the site will be designed to meet current standards and safety regulations for transportation. All right-of-way and internal circulation improvements will be constructed to comply with the State and local regulations and design and safety standards of Chapter 33 of the CBC and Title 24 guidelines to create safe and accessible roadways. 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 compliance with all applicable rules and regulations, impacts would be less than significant.

MITIGATION MEASURE(S)

No mitigation is required.

LEVEL OF SIGNIFICANCE

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

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

See the discussion in Impact #3.4.9f, regarding emergency response plans.

The proposed Project will allow emergency vehicles to have access to all public streets, properties and the construction site and comply with State and City Fire Codes that establish emergency access and internal circulation requirements for emergency vehicles.

State and City Fire Codes establish standards by which emergency access may be determined and designed. Furthermore, Madera City Code 10-2.202.5 (Development Review Committee) requires that subdivisions of five or more parcels are required to be reviewed and make recommendations from its members, which includes the Fire Chief, for approval or conditional approval to the Planning Commission. A network of local roads and a 24-feel wide emergency access point has been designed to allow for emergency vehicle access through the cul-de-sac at the end of Solano Street within the proposed Project property provides full access to all buildings within the development.

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, the impact of the Project would be less than significant regarding emergency access.

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. 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 – 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)?

The Native American Heritage Commission (NAHC) was contacted with a request that they conduct a sacred lands files search. A response dated March 27, 2026, indicates *negative* results.

As noted previously, the City sent out early consultation letters to the appropriate tribal groups on June 24, 2026. To date, no requests for consultation were received. Should the City receive communication with a tribal group, they will work in good faith to address any potential cultural resources concerns .

The Project includes ground disturbance and trenching where there is minimal potential of a cultural or tribal cultural resource. Mitigation measures CUL-1 and CUL-2 have been included as an abundance of caution in the unlikely event that subsurface resources are discovered. These mitigation measures establish a procedure in the event a cultural resource is discovered during Project construction activities. Therefore, impacts are considered less than significant with mitigation incorporated.

MITIGATION MEASURE(S)

Implementation of Mitigation Measures CUL-1 and CUL-2.

LEVEL OF SIGNIFICANCE

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

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

See discussion for Impacts #3.4.5a through#3.4.5c and Impact #3.4.18a(i).

MITIGATION MEASURE(S)

Implementation of Mitigation Measures CUL-1 and CUL-2.

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?

Water

The Project site currently has a private ground well as the primary source of water. The well will be abandoned and removed pursuant to County and State regulations. The Project site will connect to the City municipal water system for construction and operational water usage. Locations and specifications of the municipal water service connections to each of the

33 single-family homes will be designed and installed in accordance with City and State standards. Therefore, impacts would be less than significant.

Stormwater Drainage

Because of the lack of significant grade (slope), the predominant method of runoff disposal in the city is the use of retention basins that are excavated below ground level. Some areas, however, drain to the Fresno River and irrigation canals. The City complies with the Phase II Small MS4 General Permit, adopted by the State Water Resources Control Board effective July 1, 2013 (City of Madera, 2026b). The Permit requires the City to implement a stormwater program that controls the discharge of pollutants into the storm drainage system and local waterways.

As discussed in Impact #3.4.7b, once constructed, the Project will have both impermeable surfaces and permeable surfaces. Impermeable surfaces would include roadways, driveways and structures. The Project would convert a property that is currently predominantly pervious surfaces to impervious surfaces. However, Outlot A and B will be dedicated to landscaping and open space, with a combined total of approximately 4,515 sq ft of pervious surfaces. Outlots dedicated to landscaping and open space will provide pervious surfaces that allow for slowed runoff and recharge groundwater. As previously mentioned in Impact #3.4.15, the Project will be required to pay all associated impact fees related to public services, including stormwater drainage infrastructure, as outlined in Chapter 8 of the City's Municipal Code. Furthermore, Chapter 2, Section 10-2.702.2 requires all new subdivisions to have an approved storm drain system. Therefore, verification of the City's capacity to serve the stormwater drainage services of the Project will be verified during the review process of TSM 2025-05. As such, the Project would generate a less than significant impact on City storm drainage infrastructure.

Electricity, Natural Gas, and Telecommunications

Natural gas, telephone, cable, and broadband infrastructure is located within the City's road rights-of-way (typically collocated with other utilities in trenches) as well as in overhead lines (City of Madera, 2009a). Pacific Gas & Electric (PG&E) would provide electricity to the proposed Project site. The Project is expected to connect to PG&E utilities via infrastructure extensions and connections that are acceptable to both PG&E and the City. As noted previously, the Project's electricity use will be offset by renewable rooftop PV solar, and will utilize electric appliances, and will be EV-ready (pre-wired during construction to allow for installation of an EV residential charger in the future).

There are several major companies that provide communications and internet services in Madera: AT&T, Verizon, T-Mobile, Comcast, etc. The Project would utilize existing infrastructure, as feasible. The Project is not anticipated to result in additional construction related to new or expanded water, storm drainage, electrical, natural gas or telecommunications facilities. Therefore, impacts would be less than significant.

MITIGATION MEASURE(S)

No mitigation is required.

LEVEL OF SIGNIFICANCE

Impacts would be *less than significant.*

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

As discussed in Impact #3.4.10b, the City of Madera would provide water to the Project site. The City's UWMP states the City's normal, dry and multiple dry year water supply and demand is 16,392 in the year 2040. The proposed Project water demands of 16.79 AFY represents less than one percent of the District's annual water demands, which would be considered de minimis (City of Madera, 2022). The proper sizing and placement of water lines will be designed per the City and other utility development design standards. Therefore, the proposed 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 #3.4.19c – 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 City is currently operating under the 2020 Sewer System Management Plan. Sewer services are provided to the Project site by the City. The City's wastewater treatment plant, located on Avenue 13 and Road 21½, currently treats approximately 5.15 million gallons of wastewater each day (City of Madera, 2025). The City is currently rehabilitating the facility to increase daily capacity. According to the General Plan's EIR, wastewater generation rates by year 2030 (full build out) are estimated to be 21.21 mgd, which would be within the capacity of proposed expansion improvements. As previously mentioned in Impact #3.4.15, the Project will be required to pay all associated impact fees related to public services, including wastewater, as outlined in Chapter 8 of the City's Municipal Code. Furthermore, Chapter 2, Section 10-2.702.3 requires all units or lots within the subdivision shall be served by an approved sanitary sewer system. Therefore, verification of the City's capacity to serve the wastewater services of the Project will be verified during the review process of TSM 2025-05. As such, the Project would generate a less than significant impact on City sanitary sewer systems.

MITIGATION MEASURE(S)

No mitigation is required.

LEVEL OF SIGNIFICANCE

Impacts would be *less than significant.*

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?

Solid waste generated from the City of Madera is disposed of at the Fairmead Solid Waste Disposal Site, which is located at Avenue 22 and Road 19 in the City of Chowchilla (City of Madera, 2009b). The solid waste generated from the Project will be transported to the Fairmead Sanitary Landfill, located at 21739 Road 19 in Chowchilla. The Fairmead Sanitary Landfill (20-AA-0002) has a capacity of 9,400,000 cubic yards available to serve the County of Madera, including the City of Chowchilla. Out of the 9,400,000 cubic yards, approximately 5,552,894 cubic yards remain to serve Madera County and the City of Chowchilla (Cal Recycle, 2026a). As discussed in Impact #3.4.14a, the Project would result in a maximum total of approximately 125.73 people. With an average of 12.23 pounds of trash per house household per day, the Project would generate approximately 1,870.84 cubic yards of solid waste annually (Cal Recycle, 2026b). Given the remaining capacity at the Fairmead Sanitary Landfill, the Project would not generate solid waste in excess of the capacity of local infrastructure. Furthermore, the Project would be required to comply with all federal, State, and local statutes and regulations related to the handling and disposal of solid waste. Therefore, the implementation of the Project 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 #3.4.19e – 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. The City's contracted solid waste collection purveyor is also responsible, under the City's solid waste collection contract, to meet or exceed the waste diversion goals required by AB 939. As previously stated in Impact #3.4.19d above, the Project would be required to comply with all 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.***

	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 concentration from a wildfire or the uncontrolled spread of a wildfire?	☐	☐	☒	☐
c. Require the installation or maintenance of associated infrastructure (such as roads, fuel breaks, emergency water sources, power lines or other utilities) that may exacerbate fire risk or that may result in temporary or ongoing impacts to the environment?	☐	☐	☒	☐
d. Expose people or structures to significant risks, including downslope or downstream flooding or landslides, as a result of runoff, post-fire slope instability, or drainage changes?	☐	☐	☒	☐

Discussion

Impact #3.4.20– 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?

See Impact #3.4.9f regarding emergency response.

According to available data from CAL FIRE, the Project site is within the Local Responsibility Area (LRA) of the Madera Fire Department. The Madera Fire Department is managed by CAL FIRE personnel and funded by the City Council to provide emergency services, prevention compliance, and public safety support (City of Madera, 2026a). The Project site is located in an area where the State Fire Marshal has identified as having no Fire Hazard Severity Zone in the Local Responsibility Area, per Government Code section 51178 (CAL FIRE, 2026a).

The Project is within the Planning Area of the 2017 Madera County Local Hazard Mitigation Plan. The Project will not impair the City Fire Department Emergency Operations Plan, and other guidance as identified in the General Plan (City of Madera, 2009b). The proposed Project would not impair an adopted emergency response plan or emergency evacuation plan. Therefore, the proposed Project would result in a less than significant impact.

MITIGATION MEASURE(S)

No mitigation is required.

LEVEL OF SIGNIFICANCE

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

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

See discussion in Impact #3.4.4g regarding wildland fire risk analysis. The Project site has relatively no slope and is historically not known for prevailing winds. Therefore, the Project would have a less than significant impact on the pollutant concentrations from wildfire or the uncontrolled spread of wildfire.

MITIGATION MEASURE(S)

No mitigation is required.

LEVEL OF SIGNIFICANCE

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

(c) Require the installation or maintenance of associated infrastructure (such as roads, fuel breaks, emergency water sources, power lines or other utilities) that may exacerbate fire risk or that may result in temporary or ongoing impacts to the environment?

See discussion in Impact #3.4.20a-b.

The Project proposes to develop internal public roadways, emergency vehicle access, emergency water sources, electrical connections, and other utilities commonly found in a residential subdivision, all of which will be developed to local and state regulations.

The design of all proposed utilities will be subject to the review and approval of the City. This will ensure the viability of the utility infrastructure's ability for fire protection and suppression activities. Therefore, the impact would be considered less than significant with adherence to all applicable local and State regulations.

MITIGATION MEASURE(S)

No mitigation is required.

LEVEL OF SIGNIFICANCE

Impacts would be *less than significant.*

(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?

See also Impact #3.4.9g, Impact #3.4.9f, and Impacts #3.4.20a through Impact #3.4.20c. The proposed Project is not located in or near an SRA or lands classified as a very high fire hazard severity zone. It is not expected that Project-related activities would result in a fire hazard or 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 change. Therefore, the proposed 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
3.4.21 - 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. With implementation of the Mitigation Measures BIO-1 through BIO-7

and CUL-1 and CUL-2, the proposed Project would not have the potential to degrade the quality of the environment, significantly impact biological resources, or eliminate important examples of the major periods of California's history or prehistory. Therefore, with the following mitigation measures, the Project would have a less-than-significant impact.

MITIGATION MEASURE(S)

Mitigation Measures BIO-1 through BIO-8, and CUL-1 through CUL-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 Impact Sections 3.4.1 through 3.4.21 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 listed. The proposed Project would not otherwise combine with the impacts of related development to add considerably to any cumulative impacts in the region. With the implementation of MM BIO-1 through BIO-7, CUL-1 and CUL-2, GEO-1, HAZ-1, HAZ-2 and NSE-1, the proposed Project would not have impacts that are individually limited but cumulatively considerable. Therefore, the Project would have a less than cumulatively considerable impact with mitigation incorporated.

MITIGATION MEASURE(S)

Implementation of Mitigation Measures BIO-1 through BIO-8, CUL-1 and CUL-2, GEO-1, HAZ-1, HAZ-2 and NSE-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. Implementation of Project Mitigation Measures BIO-1 through BIO-8, CUL-1 and CUL-2, GEO-1, HAZ-1, HAZ-2 and NSE-1 will substantially reduce or eliminate the impacts of the Project. 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.

MITIGATION MEASURE(S)

Implementation of Mitigation Measures BIO-1 through BIO-8, CUL-1 and CUL-2, GEO-1, HAZ-1, HAZ-2 and NSE-1.

LEVEL OF SIGNIFICANCE

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

SECTION 4 - MITIGATION, MONITORING AND REPORTING PLAN

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**: Within 14 days prior to the start of Project ground-disturbing activities, a pre-construction survey shall be conducted by a qualified biologist knowledgeable in the identification of special-status species known to occur in the region. Special focus for special-status species surveys will include; Swainson's hawk, American badger, western burrowing owl, nesting migratory birds and raptors, American badger and Crotch's bumble bee. If no special status species or their sign (burrows, nests, tracks, scat, etc) are observed during the survey, no further action is required. A copy of the pre-construction survey report shall be submitted to the lead agency prior to the start of construction.	Within 14 days prior to any ground-disturbing activities	Project developer and Lead Agency		
		Steps to Compliance: A. A qualified biologist shall be responsible for a preconstruction 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. Next steps may include implementing avoidance buffers. D. The qualified biologist shall prepare a brief report to be submitted to the lead agency for evidence of compliance.			

<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>#2</td><td>BIO-2: Within 14 days prior to the start of Project ground-disturbing activities, a pre-construction activity survey with a 250-foot buffer where land access is permitted should be conducted by a qualified biologist knowledgeable in the identification of this species and approved by the CDFW. Surveys need not be conducted for all areas at one time; they may be phased so that surveys occur within 14 days of the portion of the Project Site that will be disturbed. If dens/burrows that could support any of these species are discovered during the pre-activity survey (BIO-1), the avoidance buffers outlined below should be established.

If burrows that could support the burrowing owl species are discovered during the pre-construction clearance survey conducted under MM BIO-1, the avoidance buffers outlined below shall be established, and burrow monitoring shall be conducted in accordance with the California Department of Fish and Game (CDFG) Staff Report on Burrowing Owl Mitigation (CDFG, 2012). No work would occur within these buffers. If occupied burrowing owl burrows cannot be avoided by the appropriate buffer below, an Incidental Take Permit (ITP) issued by the CDFW under the California Endangered Species Act (CESA) to authorize "take" that is incidental to an otherwise lawful activity, may be required before any work within the buffer.
<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>
<tr><td>Nesting sites</td><td>April 1 -Aug 15</td><td>200 m*</td><td>500 m</td><td>500 m</td></tr>
<tr><td>Nesting sites</td><td>Aug 16 – Oct 15</td><td>200 m</td><td>200 m</td><td>500 m</td></tr>
<tr><td>Nesting sites</td><td>Oct 16- Mar 31</td><td>50 m</td><td>100 m</td><td>500 m</td></tr>
</table>
*Meters (m)
If any of these species is found and avoidance is not possible, consultation with CDFW shall be initiated. CDFW may allow burrow exclusion by a qualified biologist and only during the non-breeding season, before breeding behavior is</td><td>Within 14 days prior to any ground-disturbing activities</td><td>Project developer and Lead Agency</td><td></td><td></td></tr>
<tr><td></td><td colspan="5">Steps to Compliance:
A. A qualified biologist shall be responsible for a preconstruction survey with a 250-foot buffer.
B. If dens/burrows that could support special status species are discovered during the pre-activity survey (BIO-1) then avoidance buffers outlined in this measure shall be implemented.
C. If necessary, the qualified biologist shall contact CDFW to determine next steps and obtain ITP.
D. Work is to continue under the approval and guidance of a qualified biologist.</td></tr>
</table>

Mitigation Monitoring Program					
Impact	**Mitigation Measure**	**Time Frame for Implementation**	**Responsible Monitoring Agency**	**Date**	**Initials**
	exhibited and after the burrow is confirmed empty through non-invasive methods, such as surveillance. Copies of communications and consultation with CDFW shall be provided to the lead agency.				
#3	**BIO-3:** A qualified biologist should remain on-call throughout the construction phase if a western burrowing owl, Crotch's bumble bee, or American badger occurs on the site during construction. If one of these species occurs on-site, all construction activity should stop in the affected area until the animal leaves of its own volition. The special-status species should be avoided by construction activities and construction workers and allowed to leave the Project site without harassment. The biologist should be contacted immediately to determine whether biological monitoring or the implementation of avoidance buffers may be warranted.	During construction	Project developer and Lead Agency		
		Steps to Compliance: A. An on-call qualified biologist should be contacted if a western burrowing owl, Crotch's bumble bee, or American badger is found on the Project site during construction. B. The species should be avoided and allowed to leave without harassment. C. Work is to continue under the approval and guidance of a qualified biologist.			
#4	**BIO-4:** A preconstruction survey for Swainson's hawk and other migratory nesting birds shall be conducted 14-30 days prior to Project construction activities to verify if special-status or sensitive bird species are present within 500 feet of the Project. A report outlining the results of the survey shall be prepared and submitted to the lead agency as evidence of compliance.	14-30 days prior to construction	Project developer and Lead Agency		
		Steps to Compliance: A. A pre-construction surveys for Swainson's hawk shall be conducted 14-30 days prior to construction. B. Results shall be provided to the lead agency			
#5	**BIO-5:** If construction activities occur between February 1 and September 15, pre-disturbance surveys for active raptor and migratory bird nests shall be conducted no more than 10 days prior to the commencement of disturbance. Surveys shall follow USFWS and CDFW guidance and/or protocols, as applicable. If no active nests or nesting birds are identified, then Project construction activities may proceed, and no further mitigation measures for nesting birds are	No more than 10 days prior to construction activities	Project developer and Lead Agency		
		Steps to Compliance:			

Mitigation Monitoring Program					
Impact	**Mitigation Measure**	**Time Frame for Implementation**	**Responsible Monitoring Agency**	**Date**	**Initials**
	required. If active nest(s) are identified, the active nest(s) should be continuously surveyed for the first 24 hours after detection to establish a behavioral baseline prior to any construction-related activities. Once construction commences, all nests shall be continuously monitored to detect any behavioral changes because of the Project (i.e., nest avoidance or abandonment). If behavioral changes are observed, the work causing that change shall cease until the qualified biologist consults with the CDFW and/or the USFWS and the qualified biologist implements the recommended measures. During such times as the qualified biological monitor is not on site while construction workers are on site, a minimum non-disturbance buffer of 250 feet shall be established around active nests and a 500-foot no-disturbance buffer around the nests of raptors until the breeding season has ended or until a qualified biologist has determined that the birds have fledged and are no longer reliant upon the nest or parental care for survival, and any adult birds are no longer occupying the nest. Deviations from these no-disturbance buffers may be implemented if the qualified biologist concludes that work within the buffer area would not cause nest avoidance or abandonment (e.g., when the disturbance area would be concealed from a nest site by topography) provided that notification of this determination of a deviation in the no-disturbance buffer is provided by the qualified biologist no less than 15 days in advance to CDFW and the United States Fish and Wildlife Service.	A. If construction is between February 1-September 15, then a pre-disturbance survey for active raptor and migratory bird nests shall be conducted no more than 10 days prior to commencement of disturbance. B. If no nests are found, construction shall proceed. C. If nests are found then monitoring and recommended measures, including non-disturbance buffer, shall be implemented. D. Work is to continue under the approval and guidance of a qualified biologist. E. The qualified biologist consults with the CDFW and/or the USFWS			
#6	**BIO-6:** If an active raptor nest is identified, and when construction activities occur within the avoidance buffer of the nest, a qualified biologist shall conduct a daily site visit to observe all construction-related activities and or activity near an active nest. If construction activities are not occurring within the avoidance buffer of a nest, these resources shall be checked during a weekly site visit to observe activity. The qualified biologist shall be familiar with all potential	During construction	Project developer and Lead Agency		

Mitigation Monitoring Program					
Impact	**Mitigation Measure**	**Time Frame for Implementation**	**Responsible Monitoring Agency**	**Date**	**Initials**
	species and their sign (i.e., tracks, scat, etc.) that have the potential to occur within the proposed Project site. The qualified biologist shall prepare a daily datasheet to record all construction-related activities that occurred and activity at an active nest and document the progress of the Project with photographs. Copies of daily datasheets and photographs shall be submitted to the lead agency as evidence of compliance.	**Steps to Compliance:** A. If active raptor nests are identified during MM BIO-5, a qualified biologist shall conduct a daily site visit to observe construction performed within the avoidance buffer. B. If active raptor nests are identified during MM BIO-5, a qualified biologist shall conduct a weekly site visit to observe construction performed outside of the avoidance buffer. C. Copies of daily datasheets and photographs shall be submitted to the lead agency.			
#7	**BIO-7:** If construction work occurs after August 30 and ends before March 1 (outside of the breeding season), impacts to the Swainson's hawk would be avoided. Surveys would not be required for work conducted during this part of the year, and no further mitigation for nest disturbance is required. a. Protocol Surveys. For work that begins between March 1 and August 30, a qualified biologist with expertise in Swainson's hawk shall conduct protocol surveys of potential nesting habitat within 0.5 miles of any construction activities prior to initiation of such activities. The Project proponent shall conduct a protocol-level survey in conformance with the "Recommended Timing and Methodology for Swainson's Hawk Nesting Surveys in California's Central Valley," Swainson's Hawk Technical Advisory Committee (TAC) (https://www.wildlife.ca.gov/conservation/survey-protocols#377281284-birds) (May 31, 2000), which is hereby incorporated by reference. This protocol prescribes minimum standards for survey equipment, mode of survey, angle and distance to tree, speed,	During construction that occurs between March 1 and August 30	Project developer and Lead Agency		
		Steps to Compliance: A. For construction that occurs March 1-August 30 then a qualified biologist shall conduct protocol surveys of potential nesting habitat within 0.5 miles of the construction activities. B. If no Swainson's hawk nests are found within 0.5 miles, nest disturbance mitigation is not required. C. If no Swainson's hawk nests are found within 10 miles, foraging mitigation is not required. D. If nesting Swainson's hawks are observed within 0.5 miles then CDFW pre-approved mitigation shall be implemented.			

Mitigation Monitoring Program					
Impact	**Mitigation Measure**	**Time Frame for Implementation**	**Responsible Monitoring Agency**	**Date**	**Initials**
	visual and audible clues, distractions, notes and observations, and timing of surveys. A written report with the pre-construction survey results shall be provided to the lead agency and CDFW within 30 days of the commencement of construction-related activities. The report shall include: the date of the report, authors and affiliations, contact information, introduction, methods, study location, including a map, results, discussion, and literature cited. If the required protocol surveys show there are no active Swainson's hawk nests within 0.5 miles of construction activities, then no further mitigation for nest disturbance shall be required. If protocol surveys show that there are no active Swainson's hawk nests within 10 miles of the site, then no further mitigation for foraging impacts shall be required. b. Nest Avoidance. If nesting Swainson's hawks are observed within 0.5 miles of the Project site during the protocol surveys, the Project proponent shall implement CDFW pre-approved mitigation measures to avoid nest impacts during construction. These measures include: • All Project-related activities with the potential to cause nest abandonment or forced fledging of young shall be avoided until the young have fledged. • If disturbances, habitat conversions, or other Project-related activities that may cause nest abandonment or forced fledging are necessary, within the nest protection buffer zone (0.5-mile), monitoring of the nest site by a qualified raptor biologist, funded by the Project proponent, shall be required to determine if the nest is abandoned. If the nest is abandoned, but the nestlings are still alive,	E. Work is to continue under the approval and guidance of a qualified biologist. F. Sumit report to lead agency and CDFW.			

Mitigation Monitoring Program					
Impact	**Mitigation Measure**	**Time Frame for Implementation**	**Responsible Monitoring Agency**	**Date**	**Initials**
	the Project developer /contractor is required to fund the recovery and hacking, that is, the controlled release of captive-reared young of the nestling. • The Project proponent shall be required to coordinate with CDFW to determine if Project activities with the potential to cause disturbance to nesting Swainson's hawks within the 0.5-mile buffer may proceed with a reduced nest buffer and an approved biological monitor. CDFW may authorize a reduced nest buffer with the presence of a monitoring biologist during construction activities to ensure that the nest is not disturbed. Routine disturbances such as agricultural activities, commuter traffic, and routine maintenance activities within 0.5 miles of an active nest are not prohibited.				
#8	**BIO-8:** Prior to the initiation of construction activities, all construction personnel shall attend a Worker Environmental Awareness Training program developed by a qualified biologist. Any personnel associated with construction that did not attend the initial training shall be trained by the authorized biologist or authorized construction personnel prior to working within the Project site. Any employee responsible for the operations, maintenance, or decommissioning of Project facilities shall attend the Worker Environmental Awareness Training program prior to starting work on the Project. All on-site workers shall attend training on an annual basis. The Program shall be developed and presented by the Project qualified biologist(s) or designee approved by the qualified biologist(s). The program shall include information about the life histories of State or federally listed species with potential to occur on the Project site, their legal status, course of action should these species be encountered on-site, and avoidance and minimization measures to protect these species. The training shall include the following components: a. Information about the life history and identification of federally listed plant and wildlife species, as well as other special-status plant and	Prior to construction activities	Project developer and Lead Agency		
		Steps to Compliance: A. A Worker Environmental Awareness Training and Education Program will be developed and presented to all construction works prior to them starting work on the site. B. A sign-in sheet will be submitted to the lead agency as evidence of compliance. C. A copy of the training will be maintained on the Project site throughout construction.			

Mitigation Monitoring Program					
Impact	**Mitigation Measure**	**Time Frame for Implementation**	**Responsible Monitoring Agency**	**Date**	**Initials**
	wildlife species that may be affected by Project activities. The program shall present the legal protection status of each such species, the definition of "take" under the Federal Endangered Species Act and California Endangered Species Act, measures the Project proponent/operator shall implement to protect the species, reporting requirements, specific measures for workers to avoid take of special-status plant and wildlife species, and penalties for violation of Project permits or other Project-related environmental measures. b. An acknowledgment form signed by each worker indicating that the Worker Environmental Awareness Training and Education program has been completed shall be kept on file at the construction site. c. A copy of the training transcript and/or training video, as well as a list of the names of all personnel who attended the Worker Environmental Awareness Training and Education program, and signed acknowledgment forms, shall be submitted to the contractor's construction manager or on-site superintendent. d. A copy of the training transcript, training video or informational binder for specific procedures shall be kept available for all personnel to review and be familiar with, as necessary. The construction crews and contractor(s) shall be responsible for preventing unauthorized impacts from Project activities to sensitive biological resources that are outside the areas defined as subject to impacts by Project permits. Unauthorized impacts may result in Project stoppage, and/or fines, depending on the impact and coordination with the appropriate State or federal biological agency.				

Mitigation Monitoring Program					
Impact	**Mitigation Measure**	**Time Frame for Implementation**	**Responsible Monitoring Agency**	**Date**	**Initials**
	Cultural Resources				
#9	**CUL-1:** If prehistoric or historic-era cultural materials are encountered during construction activities, all work within 50 feet of the find shall halt until a qualified professional archaeologist, meeting the Secretary of the Interior's Professional Qualification Standards for prehistoric and historic archaeologists, can evaluate the significance of 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 professional 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. If a potentially eligible resource is encountered, then the qualified professional archaeologist, the Lead Agency shall arrange for either, (1) total avoidance of the resource or (2) test excavations to evaluate eligibility and, if eligible, total data recovery. The determination shall be formally documented in writing and submitted to the Lead Agency as verification that the provisions for managing unanticipated discoveries have been met.	During construction	Project developer and Lead Agency		
		Steps to Compliance: A. If necessary, work shall cease and the project proponent shall retain a qualified archaeologist to assess finds and recommended procedures. B. The qualified archaeologist shall assess the significance of the find and determine next steps. C. A copy of the additional studies shall be submitted to the Lead Agency to verify compliance.			
#10	**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	During construction	Project developer and Lead Agency		
		Steps to Compliance: A. If necessary, work shall cease and the project proponent shall call the county coroner's office and contact the Native American Heritage Commission.			

Mitigation Monitoring Program					
Impact	**Mitigation Measure**	**Time Frame for Implementation**	**Responsible Monitoring Agency**	**Date**	**Initials**
	direction of the Madera County Coroner. All reports, correspondence, and determinations regarding the discovery of human remains on the Project site shall be submitted to the City of Madera. According to the California Health and Safety Code, six or more human burials at one location constitute a cemetery (Section 8100), and willful disturbance of human remains is a felony (Section 7052).	B. The qualified archaeologist shall assess the significance of the find and determine next steps. C. The Lead Agency shall verify compliance.			
	Energy				
	No mitigation required.				
	Geology and Soils				
#11	**GEO-1:** 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 other 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	During construction	Project developer and Lead Agency		

Mitigation Monitoring Program					
Impact	**Mitigation Measure**	**Time Frame for Implementation**	**Responsible Monitoring Agency**	**Date**	**Initials**
	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.	**Steps to Compliance:** A. In the event that paleontological resources are encountered during ground disturbance activities, all work within 25 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.				
	Hazards and Hazardous Materials				
#12	**HAZ-1**: In the event that unknown underground storage tank(s) or a septic system are uncovered or damaged during excavation or grading activities, all work in that area shall cease. The State Water Resources Control Board (SWRCB) and the Madera County Environmental Health Division shall be contacted to determine what appropriate remediation may be required and to identify the appropriate requirements and approvals. A report of all communication and the determination made by the SWRCB and the County Health Division shall be submitted to the City.	During excavation and grading activities	Project developer and Lead Agency		
		Steps to Compliance: 1. Work shall cease if underground storage tank(s) or septic systems are discovered during excavation or grading. 2. SWRCB and Madera County Environmental Health Division shall be contacted to determine next steps. 3. All communication shall be saved and submitted to the Lead Agency to verify compliance with mitigation measure.			

Mitigation Monitoring Program					
Impact	**Mitigation Measure**	**Time Frame for Implementation**	**Responsible Monitoring Agency**	**Date**	**Initials**
#13	**MM HAZ-2**: Prior to the start of the demolition of any existing structures on the Project site, an assessment of the existing buildings shall be performed by a certified consultant, notification shall be submitted to the San Joaquin Valley Air Pollution Control District, and any abatement requirements shall be completed in order to obtain an approved demolition permit. A copy of the approved demolition permit shall be submitted to the lead agency as evidence of compliance If no regulated asbestos or lead paint is found during the assessment, no further action is necessary.	Prior to issuance of demolition permit	Project developer and Lead Agency		
		Steps to Compliance: 1. A certified consultant shall perform an asbestos and lead paint assessment of any existing structures. 2. Findings shall be submitted to the San Joaquin Valley Air Pollution Control District. 3. Applicable abatement requirements shall be completed. 4. The Lead Agency shall verify compliance with the mitigation measure.			
	Hydrology and Water Quality				
	No mitigation required.				
	Land Use and Planning				
	No mitigation required.				
	Mineral Resources				
	No mitigation required.				
	Noise				

Mitigation Monitoring Program					
Impact	**Mitigation Measure**	**Time Frame for Implementation**	**Responsible Monitoring Agency**	**Date**	**Initials**
#13	**NSE-1:** Mechanical ventilation or air conditioning shall be provided for all homes so that windows and doors can remain closed for sound insulation purposes.	Prior to building permit issuance	Developer and Lead Agency		
		Steps to Compliance: 1. Developer shall submit building plans that demonstrate mechanical ventilation or air conditioning will be provided in each home. 2. The Lead Agency shall verify the requirement through review of building permit plans.			
	Population and Housing				
	No mitigation required.				
	Public Services				
	No mitigation required.				
	Recreation				
	No mitigation required.				
	Traffic and Transportation				
	No mitigation required.				
	Tribal Cultural Resources				
	Implementation of MM CUL-1 and MM CUL-2.				
	Utilities and Service Systems				
	No mitigation required.				
	Wildfire				

Mitigation Monitoring Program					
Impact	**Mitigation Measure**	**Time Frame for Implementation**	**Responsible Monitoring Agency**	**Date**	**Initials**
	No mitigation required.				

SECTION 5 - LIST OF PREPARERS

LEAD AGENCY – CITY OF MADERA

- Will Tackett, Director of Community Development
- Jonathan Bartel, Senior

QK

- Jaymie L. Brauer, Principal Planner – Project Manager/QAQC
- Bella Hedtke, Associate Planner – Lead Author

SECTION 6 - REFERENCES

CAL FIRE. (2026a, March 31). *Fire Hazard Severity Zones.* Retrieved January 2025, from https://osfm.fire.ca.gov/what-we-do/community-wildfire-preparedness-and-mitigation/fire-hazard-severity-zones

CAL FIRE. (2026b, February 4). *CA State Geoportal Wildland Urban Interface*. Retrieved from https://gis.data.ca.gov/datasets/CALFIRE-Forestry::wildland-urban-interface/explore?location=37.100664%2C-120.221329%2C12

Cal Recycle. (2026a, April 1). *SWIS Facility/Site Activity Details (20-AA-0002)*. Retrieved September 16, 2025, from https://www2.calrecycle.ca.gov/SolidWaste/SiteActivity/Details/3028?siteID=1701

Cal Recycle. (2026b, April 1). *Estimated Solid Waste Generation Rates*. Retrieved from https://www2.calrecycle.ca.gov/WasteCharacterization/General/Rates

California Department of Conservation. (2026a). *California Farmland Mapping and Monitoring Program*. Retrieved from California Important Farmland Finder: https://maps.conservation.ca.gov/DLRP/CIFF/

California Department of Conservation. (2026b, January 30). *Williamson Act Enrollment Finder*. Retrieved November 13, 2025, from https://maps.conservation.ca.gov/dlrp/WilliamsonAct/

California Department of Toxic Substances Control. (2026, April 1). *California Department of Toxic Substances Control, Envirorstor Map Search*. Retrieved from https://www.envirostor.dtsc.ca.gov/public/map/?myaddress=Search

California Department of Transportation. (2026). *California State Scenic Highway Systems Map*. Retrieved from Caltrans Scenic Highways: https://caltrans.maps.arcgis.com/apps/webappviewer/index.html?id=465dfd3d807c46cc8e8057116f1aacaa

California Energy Commission. (2026). *California Energy Commission, Electricity Consumption*. Retrieved July 2025, from California Electricity Consumption Dashboard: https://www.energy.ca.gov/data-reports/energy-almanac/california-electricity-data/california-energy-consumption-dashboards-0

Center for Disease Control. (2025, March 26). *Childhood Lead Poisoning Prevention* . Retrieved from https://www.cdc.gov/lead-prevention/prevention/paint.html

City of Madera. (2009a). *City of Madera, General Plan Update Draft EIR.*

City of Madera. (2009b). *City of Madera, General Plan.*

City of Madera. (2015). *Climate Action Plan.*

City of Madera. (2022). *City of Madera, Urban Water Management Plan 2020 Update.*

City of Madera. (2025, November 26). *City moves forward with major wastewater treatment plant upgrade*. Retrieved from https://www.madera.gov/news/posts/city-moves-forward-with-major-wastewater-treatment-plant-upgrade/

City of Madera. (2026a, March 31). *Fire Department*. Retrieved from https://www.madera.gov/emergency-protective-services/fire-department/

City of Madera. (2026b, April 1). *Stormwater and Storm Preparedness*. Retrieved from https://www.madera.gov/living-in-madera/water-sewer/stormwater-and-storm-preparedness/#FrequentlyAskedQuestions

Madera County Transportation Commission (MCTC). (2025). *2018 Madera Active Transportation Plan Amendment No. 1.*

Madera Police Department. (2024). *2024 Annual Report.* Retrieved from https://www.madera.gov/wp-content/uploads/2025/05/2024-Annual-report.pdf

Madera USD. (2026, March 31). *School Site Locator*. Retrieved from https://www.schoolsitelocator.com/apps/madera/

QK. (2026a). *Small Project Analysis Level - Tentative Subdivision Map 2025-05 Residential Project.*

QK. (2026b). *Cultural Resources Technical Memorandum - TSM 2025-25.*

QK. (2026c). *Water Use Estimate - TSM 2025-05.*

QK. (2026d). *Trip Generation - City of Madera - Tentative Subdivision Map No. 2025-05 (ITE 210).*

See's Consulting & Testing, Inc. (2026). *Phase I Environmental Site Assessment Report.*

State Water Resources Control Board. (2026, April 1). *GeoTracker*. Retrieved from https://geotracker.waterboards.ca.gov/

United States Environmental Protection Agency. (2024, September 11). *Resources for Small Businesses*. Retrieved from https://www.epa.gov/resources-small-businesses/asbestos-was-banned-do-i-need-be-worried-about-products-market-today

United States Geological Survey. (2026, March 24). *U.S. Landslide Inventory and Susceptibility Map*. Retrieved from https://www.usgs.gov/tools/us-landslide-inventory-and-susceptibility-map

WJV Acoustics, INC. (2026). *Acoustical Analysis.*

APPENDIX A
SMALL PROJECT ANALYSIS LEVEL (SPAL)

SMALL PROJECT ANALYSIS LEVEL

TENTATIVE
SUBDIVSION MAP 2025-05
RESIDENTIAL PROJECT

MAY 2026

SMALL PROJECT ANALYSIS LEVEL

TENTATIVE SUBDIVSION MAP 2025-05 RESIDENTIAL PROJECT

Prepared for:

Joseph Crown Construction and Development, Inc.
5320 East Pine Street
Fresno, CA 93727
Contact Person: Joseph D. Crown
Phone: 559-275-5200

Consultant:

5080 California Avenue, Suite 220
Bakersfield, CA 93309
Contact: Jaymie Brauer
Phone: (661) 616-2600
Fax: (559) 733-7821

May 2026

© Copyright by Quad Knopf, Inc.
Unauthorized use prohibited.
Project #260017

Table of Contents

SECTION 1 - Executive Summary 1-1

SECTION 2 - Introduction 2-1

2.1 - Purpose 2-1
2.2 - General Project Description 2-1

SECTION 3 - Impact Assessment 3-1

3.1 - Small Project Analysis Level Qualification 3-1
3.2 - Significance Criteria 3-2
3.2.1 - Threshold for Ambient Air Quality Impacts 3-2
3.2.2 - Thresholds for Hazardous Air Pollutants 3-3
3.2.3 - Global Climate Change Thresholds of Significance 3-4
3.3 - Project Related Emissions 3-5
3.3.1 - Short-Term Emissions 3-5
3.3.2 - Long-Term Operational Emissions 3-6
3.3.3 - Greenhouse Gas Emissions 3-7
3.4 - Potential Impacts on Sensitive Receptors 3-8
3.5 - Potential Impacts to Visibility to Nearby Class 1 Areas 3-8
3.6 - Predicted Health Impacts 3-8
3.7 - Odor Impacts and Mitigation 3-11
3.8 - Impacts to Ambient Air Quality 3-12
3.9 - Cumulative Impacts 3-12

SECTION 4 - Conclusions 4-1

SECTION 5 - References 5-1

Appendices

Appendix A – Project Emission Calculations
Appendix B –Health Risk Assessment Modeling Files

List of Figures

Figure 2-1 Regional Location 2-2
Figure 2-2 Project Location 2-3

List of Tables

Table 3-1 Small Project Analysis Level in Units for Residential Projects 3-1
Table 3-2 SJVAPCD CEQA Thresholds of Significance 3-2

Table 3-3 Federal and California Standards 3-3
Table 3-4 Measures of Significance – Toxic Air Contaminants 3-4
Table 3-5 Short-Term Project Emissions 3-6
Table 3-6 Long-Term (Operational Emissions) 3-6
Table 3-7 Estimated Annual GHG Emissions (MT/Year) 3-7
Table 3-8 Potential Maximum Impacts Predicted by HARP 3-11

SECTION 1 - EXECUTIVE SUMMARY

QK, Inc. (QK) has completed a Small Project Analysis Level (SPAL) for the proposed general plan amendment and zone change for Vesting Tentative Subdivision Map 2025-05 (Project). The proposed Project is located in southeast City of Madera, bounded by Pecan Avenue (also called Avenue 13) to the south and Apricot Lane to the west; approximately 0.25 miles west of State Route (SR) 99. The Project site consists of approximately 5.00-acre portion of a 5.37-acre parcel (Assessor's Parcel Number (APN) 012-500-013), and within Section 30, Township 11S, Range 18E, Mount Diablo Base and Meridian (MDB&M), of the Madera U.S. Geological Survey (USGS) Quad Map. The proposed Project will subdivide the subject property into 33 medium density single-family residential lots and two outlots. Outlot A is 3,031 square feet dedicated to landscaping and utilities and Outlot B is 564 square feet dedicated to landscaping and open spaces.

The proposed Project's construction and operations 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, 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 2022.1.1.44 (California Air Pollution Control Officers Association (CAPCOA) 2026).

Based on the thresholds established by the SJVAPCD's GAMAQI, the emissions estimates prepared pursuant to this SPAL assessment do not exceed the SJVAPCD's established emissions significance thresholds for all CEQA air quality contaminants, therefore, this Project would not pose a significant impact to the San Joaquin Valley Air Basin and would have a less than significant air quality impact.

SECTION 2 - INTRODUCTION

2.1 - Purpose

This SPAL was prepared pursuant to the SJVAPCD's Guidance for Assessing and Mitigating Air Quality Impacts (GAMAQI) (SJVAPCD 2015), the California Environmental Quality Act (CEQA) (Public Resources Code 21000 to 21189) and the CEQA Guidelines (California Code of Regulations Title 14, Division 6, Chapter 3, Sections 15000 – 15387).

2.2 - General Project Description

The proposed Project will subdivide the subject property into 33 medium density single-family residential lots and two outlots. Outlot A is 3,031 square feet dedicated to landscaping and utilities and Outlot B is 564 square feet dedicated to landscaping and open spaces. The Project site is located in southeast City of Madera, bounded by Pecan Avenue (also called Avenue 13) to the south and Apricot Lane to the west; approximately 0.25 miles west of State Route SR) 99. The Project site consists of approximately 5.00-acre portion of a 5.37-acre parcel (Assessor's Parcel Number (APN) 012-500-013), and within Section 30, Township 11S, Range 18E, Mount Diablo Base and Meridian (MDB&M), of the Madera U.S. Geological Survey (USGS) Quad Map.

This assessment examines the projected gross impact to air quality posed by this Project to the San Joaquin Valley Air Basin to determine whether or not the Project remains below established air quality thresholds of significance. **Figure 2-1** depicts the regional location and **Figure 2-2** depicts an aerial view of the Project location.

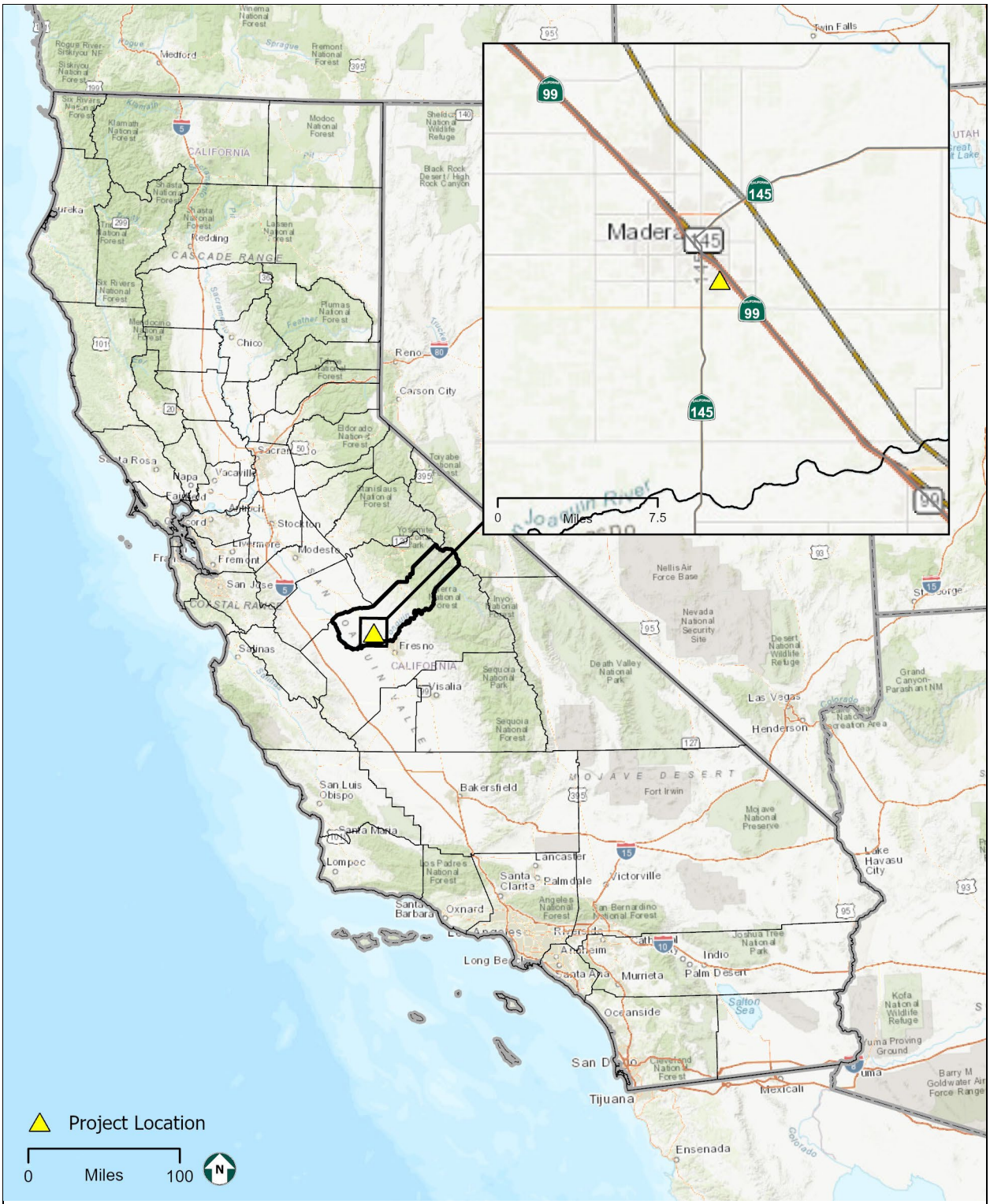


Figure 2-1
Regional Location



Figure 2-2
Project Location

SECTION 3 - IMPACT ASSESSMENT

3.1 - Small Project Analysis Level Qualification

The SJVAPCD created the SPAL screening tool to streamline air quality assessments of commonly encountered projects. According to GAMAQI, the SJVAPCD "pre-calculated the emissions on a large number and types of projects to identify the level at which they have no possibility of exceeding the emissions thresholds"[1].

The SJVAPCD SPAL process established review parameters to determine whether a project qualifies as a "small project." A project that is found to be "less than" the established parameters has "no possibility of exceeding criteria pollutant emissions thresholds." **Table 3-1** presents the SPAL size parameters for residential projects.

Table 3-1
Small Project Analysis Level for Residential Projects

Land Use Category - Industrial	Project Size (Dwelling Units)*	ADT One-Way for all Fleet Types (except HHDT)	ADT One-Way for HHDT Trips Only
Single Family	155	800	15
Apartment, Low Rise	224	800	15
Apartment, Mid Rise	225	800	15
Apartment, High Rise	340	800	15
Condominiums/Townhouse	256	800	15
Condominiums, High Rise	352	800	15
Mobile Home Park	292	800	15
Retirement Community	580	800	15
Congregate Care Assisted Living	536	800	15
Proposed Project	**33**	**308**	**6****

*Project size based on SPAL Table 1, as posted on SJVAPCD webpage: https://www.valleyair.org/transportation/CEQA%20Rules/GAMAQI-SPAL.PDF
** Based on SJVAPCD residential fleet mix. However, no HHDTs are actually anticipated for this project.

As shown in **Table 3-1**, the proposed Project would not exceed the established SPAL limits for a "Single Family" residential project. The Project would construct 33 dwelling units compared to the allowable project size of 155 dwelling units. And based on the default CalEEMod trip rate and the SJVAPCD approved residential fleet mix the Project's average daily trips (ADTs) would be below both SPAL ADT thresholds. Based on the above information, this Project qualifies for a limited air quality analysis applying the SPAL guidance to determine air quality impacts.

[1] SJVAPCD GAMAQI, Section 8.3.4, Page 85.

3.2 - Significance Criteria

This SPAL utilizes the CEQA and the SJVAPCD's GAMAQI to determine the significance thresholds for the proposed Project.

A potentially significant impact to air quality, as defined by the CEQA Appendix G Environmental Checklist Form (not included herein), would occur if the project caused one or more of the following to occur:

- Conflict with or obstruct implementation of the applicable air quality plan;
- Result in a cumulatively considerable net increase of any criteria pollutant for which the project region is non-attainment under an applicable federal or state ambient air quality standard;
- Expose sensitive receptors to substantial pollutant concentrations; and/or
- Result in other emissions (such as those leading to odors) adversely affecting a substantial number of people.

The SJVAPCD has established emission thresholds in their GAMAQI to determine whether a project would create any potential air quality impacts that would require further analysis in an Environmental Impact Report (EIR). The SJVAPCD air quality thresholds from GAMAQI are presented in **Table 3-2** (SJVAPCD 2015).

Table 3-2
SJVAPCD CEQA Thresholds of Significance

Criteria Pollutant	Significance Level		
	Construction Emissions	Operational Permitted Emissions	Operational Non-Permitted Emissions
CO	100 tons/yr	100 tons/yr	100 tons/yr
NOx	10 tons/yr	10 tons/yr	10 tons/yr
ROG	10 tons/yr	10 tons/yr	10 tons/yr
SOx	27 tons/yr	27 tons/yr	27 tons/yr
PM_{10}	15 tons/yr	15 tons/yr	15 tons/yr
$PM_{2.5}$	15 tons/yr	15 tons/yr	15 tons/yr

Source: SJVAPCD 2015.

3.2.1 - THRESHOLD 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 ambient air quality analysis should determine whether the emissions from a project would cause or contribute significantly to violations of the NAAQS or CAAQS when added to existing ambient concentrations.

Table 3-3
Federal and California Standards

Pollutant	Averaging Time	NAAQS	CAAQS
		Concentration	
O_3	8-hour	0.070 ppm (137 µg/m³)[a]	0.070 ppm (137 µg/m³)
	1-hour		0.09 ppm (180 µg/m³)
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)
Particulate Matter (PM_{10})	Annual Arithmetic Mean		20 µg/m³
	24-Hour	150 µg/m³	50 µg/m³
Fine Particulate Matter ($PM_{2.5}$)	Annual Arithmetic Mean	12 µg/m³	12 µg/m³
	24-Hour	35 µg/m³	
Sulfates	24-Hour		25 µg/m³
Pb[d]	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 (chloroethene)	24-Hour		0.010 ppm (26 µg/m³)
Visibility Reducing particles	8 Hour (1000 to 1800 PST)		[b]

ppm = parts per million
ppb = parts per billion
mg/m³ = milligrams per cubic meter
µg/m³ = micrograms per cubic meter

Source: CARB 2024
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.

3.2.2 - THRESHOLDS FOR HAZARDOUS AIR POLLUTANTS

The SJVAPCD's Guidelines state that a project results in a significant impact if it exceeds the District's health risk notification thresholds presented in **Table 3-4**.

Table 3-4
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** 1.0 for the Maximally Exposed Individual. **Chronic**: Hazard Index **equals or exceeds** 1.0 for the Maximally Exposed Individual.

Source: SJVAPCD 2015

3.2.3 - 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.

The County of Madera nor the City of Madera has developed specific thresholds for GHGs. The SJVAPCD 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. Since the 2020 projected baseline has passed 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.

3.3 - Project Related Emissions

A cursory review of the Project emissions was conducted to demonstrate that it would not exceed established air quality emissions thresholds, pursuant to the SJVAPCD's GAMAQI.

3.3.1 - SHORT-TERM EMISSIONS

Short-term emissions are primarily from the construction of a project and would have temporary impacts on air quality.

CalEEMod was used to estimate emissions from construction worker vehicles and on-site construction equipment. CalEEMod default construction schedule and equipment was used to estimated Project emissions.

Adjustments to the CalEEMod default values were as follows:

- Land use lot acreage was adjusted to match the Project description.

Even though unmitigated emissions would be less than the air quality thresholds, the Project also must comply with required SJVAPCD's mitigation measures to limit fugitive dust emissions. The following mitigation measures were applied in CalEEMod resulting in Mitigated emissions shown in Table 3-5:

- Water exposed area 3 times per day; and
- Reduce vehicle speed to less than 15 miles per hour on unpaved roads.

Table 3-5 presents the Project's short-term emissions and demonstrated that the Project's construction activities would not exceed construction significance thresholds. Therefore, construction emissions were found to be less than significant, and no further evaluation is required. Emission calculations are available in **Appendix A**.

Table 3-5
Short-Term Project Emissions

Emissions Source	Pollutant (tons/year)					
	ROG	NO_X	CO	SO_2	PM_{10}	$PM_{2.5}$
2026	0.10	0.90	1.05	0.002	0.11	0.07
2027	0.29	0.79	1.11	0.002	0.04	0.03
Significance Threshold	10	10	100	27	15	15
Is Threshold Exceeded for a Single Year After Mitigation?	No	No	No	No	No	No

Source: QK 2025

3.3.2 - LONG-TERM OPERATIONAL EMISSIONS

Long-term emissions are caused by operational mobile sources and area source emissions from the Project.

Table 3-6 presents the Project's long-term operations emissions generated from mobile, energy, and area sources as well as from water use and waste generation emissions. Most of these emission impacts are from mobile sources traveling to and from the Project area.

CalEEMod was used to estimate emissions from worker and visitor vehicles, on-site equipment, and on-site area sources. Default trips and fleet mix were adjusted to match the anticipated trip data for the Project. The Project's long-term emissions demonstrated that the Project's operational activities would not exceed operational thresholds. Therefore, operational emissions were found to be less than significant, and no further evaluation is required. Emission calculations are available in Appendix A.

Table 3-6
Long-Term (Operational Emissions)

Emissions Source	Pollutant (tons/year)					
	ROG	NO_x	CO	SO_x	PM_{10}	$PM_{2.5}$
Project Operational Emissions	0.46	0.17	1.04	0.002	0.16	0.05
Significance Threshold	10	10	100	27	15	15
Is Threshold Exceeded After Mitigation?	No	No	No	No	No	No

3.3.3 - GREENHOUSE GAS EMISSIONS

The Project's greenhouse gas (GHG) emissions are primarily from construction equipment source activities and operational mobile and energy sources. Not all GHGs exhibit the same ability to induce climate change; as a result, GHG contributions are commonly quantified as carbon dioxide equivalents (CO_2e) (see **Appendix A**). The proposed Project's construction and operational CO_2e emissions were estimated using CalEEMod. These emissions are summarized in **Table 3-7**.

Table 3-7
Estimated Annual GHG Emissions (MT/Year)

Source	CO_2	CH_4	N_2O	CO_2e
Total Construction Emissions	24.9	0.001	0.003	25.8
Total Operational Emissions	260	0.34	0.01	272

In the decade after SJVAPCD adopted their Guidance for Valley Land-use Agencies in Addressing GHG Emission Impacts for New Projects under CEQA, 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% less than 1990 levels by 2030. More drastic still, Senate Bill 100 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 2009 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 all sectors of the economy.

For these reasons, Project GHG emissions levels presented in **Table 3-7** are primarily for disclosure purposes. The Project's largest contributors to GHG emissions are from construction activities and operational mobile and energy sources. 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 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 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 consumer in California (including those creating emissions of this 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 based on energy purchases from the California market. Thus, consumers of electricity and transportation fuels are in effect regulated by higher level

emissions restrictions on the producers of these energy sources. Therefore, the Project would have a less than significant impact on applicable GHG reduction plans and the Project's contribution to cumulative global climate change impacts would not be cumulatively considerable.

3.4 - Potential Impacts 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. The nearest residential sensitive receptor is located adjacent to the proposed Project site.

The closest school is Parkwood Elementary School located to the south of the Project site across Avenue 13. The closest hospital is Madera Community Hospital located 0.20 miles north and the closest assisted living facility is Senior Helpers located 0.92 miles to the northwest. The nearest daycare facility is MCSOS Early Education Center located 0.54 miles to the northwest of the Project.

Based on the predicted operational emissions and activity types, the proposed Project is not expected to affect any on-site or off-site sensitive receptors and is not expected to have any adverse impacts on any known sensitive receptors.

3.5 - Potential Impacts to Visibility to Nearby Class 1 Areas

Visibility impact analyses are intended for stationary sources of emissions which are subject to the PSD requirements in 40 CFR Part 60; they are not usually conducted for area sources. Under the PSD program, all international parks, national wilderness areas and national memorial parks that exceed 5,000 acres, and of national parks that exceed 6,000 acres are designated as mandatory federal Class I areas which are provided visibility protection under the Clean Air Act. Because the Project's PM10 emissions increases are 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 is extremely unlikely. Therefore, based on the Project's predicted less-than significant PM10 emissions, the Project would be expected to have a *less than significant impact* to visibility at any Class 1 area or military/airspace operation.

3.6 - Predicted Health Impacts

Projects are considered for potential health risks wherein a new or modified source of Hazardous Air Pollutants (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) during construction 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 the construction period for construction emissions. Similarly, predicted concentrations were used to calculate non-cancer chronic and acute hazard indices, which are the ratio of expected exposure to acceptable exposure. The basis for evaluating potential health risks is the identification of sources with increased HAPs. HAP emissions from anticipated on-site construction activities were evaluated.

Health risk is determined using the Hotspots Analysis and Reporting Program (HARP) software distributed by the CARB. HARP2 requires peak 1-hour emission rates and annual-averaged emission rates for all pollutants for each modeling source. The 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 – AERMOD (recompiled for the Lakes ISC-AERMOD View) was used to predict the dispersion of emissions from the proposed Project. The analysis employed all of the regulatory default AERMOD model keyword parameters, including elevated terrain options.

Diesel combustion emissions from diesel on-site construction equipment 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. A unit emission rate of one gram/second (g/sec) was input to AERMOD for each source.

A fenceline discrete receptor grid was placed around the Project site in order to evaluate residences and businesses within close proximity of the Project site. A three-tier grid was used with 25-meter fenceline spacing. The first tier extended 100 meters with 25-meter tier spacing, the second tier extended an additional 200 meters with 50 meter tier spacing and the third tier extended another 400 meters with a tier spacing of 100 meters. A total of 1,054 discrete off-site receptors were analyzed. Elevated terrain options were employed even though there is not complex terrain in the Project area. The 7.5-minute DEM terrain data for Madera, CA, was processed with AERMAP to identify elevations for the proposed Project.

SJVAPCD-provided AERMET processed meteorological datasets for the Madera monitoring station, calendar years 2018 through 2022 were input to AERMOD (SJVAPCD, 2025d). 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 are 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 (HARP2) (CARB, 2015). ADMRT post-processing was used to assess the potential for excess cancer risk and chronic and acute non-cancer effects using the most recent health effects data from the California EPA Office of Environmental Health Hazard Assessment (OEHHA) using the OEHHA Derived Method. HARP2 site parameters were set for the

mandatory minimum pathways of inhalation, homegrown gardens, soil ingestion, dermal, and mother's milk. The non-inhalation pathways used a deposition rate of 0.02 m/s along with all other default parameters. 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. A hazard index for acute non-cancer health effects was not computed since diesel particulate matter (DPM) does not have a risk exposure level for acute risk.

SJVAPCD has set the level of significance for carcinogenic risk at twenty 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 non-cancer risk is a hazard index of 1.0. All receptors were modeled with a 1-year exposure for construction activities. The majority of receptors surrounding the Project site are non-residential, however, in order to be conservative all receptors were treated as residential.

The carcinogenic risk and the health hazard index (HI) for chronic non-cancer risk at the point of maximum impact (PMI) do not exceed the significance levels of twenty in one million (20 x 10-6) and 1.0, respectively for the proposed Project. The PMIs are identified by receptor location and risk and are provided in **Table 3-8**. The electronic AERMOD and HARP2 output files are provided in **Appendix B**.

Table 3-8
Potential Maximum Impacts Predicted by HARP

	Cancer Risk	Chronic Hazard Index
Total Construction	17.4E-06	1.02E-02
SJVAPCD Threshold	20.0E-06	1.0
Exceedance?	No	No
Receptor #	779	779
UTM Easting (m)	763358.08	763358.08
UTM Northing (m)	4092183.60	4092183.60

Note: UTM = Universal Transverse Mercator

As shown above in Table 3-8, the maximum predicted cancer risk for the proposed Project is 17.4E-06. The maximum chronic non-cancer hazard index for the proposed Project is 1.02E-02. Since the PMI remained below the significance threshold for cancer and chronic 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 ten 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.
3. The hazard index for the potential acute non-cancer risk was not calculated since there is no acute risk associated with DPM emission; therefore, the proposed Project is considered below the significance level.

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

3.7 - Odor Impacts and Mitigation

AAn evaluation is typically conducted for both of the following situations: 1) a potential source of objectionable odors is proposed for a location near existing sensitive receptors, and 2) sensitive receptors are proposed to be located near an existing source of objectionable odors. The criteria for this evaluation are based on the Lead Agency's determination of the proximity to one another of the proposed project and the sensitive receptors. A sensitive receptor is a location where human populations, especially children, senior citizens and sick persons, are present, and where there is a reasonable expectation of continuous human exposure to pollutants, according to the averaging period for ambient air quality standards, i.e. the 24-hour, 8-hour or 1-hour standards. Commercial and industrial sources are not considered sensitive receptors.

The proposed Project is not considered a source of objectionable odors or odorous compounds. 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. As such, the proposed project will not be a source of any odorous compounds nor will it likely be impacted by any odorous source.

3.8 - Impacts to Ambient Air Quality

An ambient air quality analysis, when required, determines if a proposed project has the potential to cause a violation of the ambient air quality standards or a substantial contribution to an existing or projected air quality standard. As stated in the of 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.

As demonstrated in *Sections 3.3.1 Short Term Operational Emissions and 3.3.2 Long Term Operational Emissions*, the Project's potential increase to any criteria pollutant's 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.

3.9 - Cumulative Impacts

Cumulative impacts were also evaluated; however, cumulative emissions were not quantified because no other tentative projects were found within a one-mile radius of the Proposed Project that provided enough project detail information to accurately estimate emissions. Owing to the inherently cumulative nature of air quality impacts, the threshold for whether a project would make a cumulatively considerable contribution to a significant cumulative impact is currently based on whether the proposed Project would exceed established project-level thresholds. 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 increase would be less than significant.

SECTION 4 - CONCLUSIONS

Based on the criteria established by the SJVAPCD's GAMAQI, the proposed Project does not meet the minimum standards to require a full Air Quality Impact Analysis. Furthermore, the Project as proposed would not exceed the SJVAPCD's criteria air pollutant emission levels and would generate *less than significant air quality impacts*.

SECTION 5 - REFERENCES

California Air Pollution Control Officers Association (CAPCOA). 2026. California Emissions Estimator Model tm (CalEEMod), version 2022.1.1.44

----------. 2016. "Air Toxic Hot Spots" Facility Prioritization Guidelines, Revised 2016. Final August 2016 http://www.capcoa.org/wp-content/uploads/2016/08/CAPCOA%20Prioritization%20Guidelines%20-%20August%202016%20FINAL.pdf

California Air Resources Board (CARB). 2015. Hotspots Analysis and Reporting Program (HARP2) User Guide. https://ww2.arb.ca.gov/sites/default/files/classic//toxics/harp/docs2/harp2admrtuserguide.pdf.

--------. 2024. "Ambient Air Quality Standards." July 22, 2024. https://ww2.arb.ca.gov/sites/default/files/2024-08/AAQS%20Table_ADA_FINAL_07222024.pdf

California Environmental Quality Act (CEQA). 2026. (Public Resources Code 21000 - 21189) and CEQA Guidelines (California Code of Regulations Title 14, Division 6, Chapter 3, Sections 15000 – 15387).

---------. 2026. CEQA, Appendix G – Environmental Checklist Form, Final Text.

San Joaquin Valley Air Pollution Control District (SJVAPCD). 2020. Small Project Analysis Level (SPAL). November 13, 2020. http://www.valleyair.org/transportation/CEQA%20Rules/GAMAQI-SPAL.PDF

----------. 2015. Guidance for Assessing and Mitigating Air Quality Impacts (GAMAQI). March 19, 2015. http://www.valleyair.org/transportation/GAMAQI_3-19-15.pdf

----------. 2009. Guidance for Valley Land-use Agencies in Addressing GHG Emission Impacts for New Projects under CEQA. December 17, 2009. http://www.valleyair.org/Programs/CCAP/12-17-09/1%20CCAP%20-%20FINAL%20CEQA%20GHG%20Staff%20Report%20-%20Dec%2017%202009.pdf

----------. 2026. Meteorological Datasets for Bakersfield 2018-2022. https://ww2.valleyair.org/permitting/air-dispersion-modeling/meteorological-data-zip-files/

APPENDIX A

PROJECT EMISSION CALCULATIONS

VTSM 25-160 Detailed Report

Table of Contents

1. Basic Project Information

1.1. Basic Project Information

1.2. Land Use Types

1.3. User-Selected Emission Reduction Measures by Emissions Sector

2. Emissions Summary

2.1. Construction Emissions Compared Against Thresholds

2.2. Construction Emissions by Year

2.2.1. Total Construction Emissions by Year, Unmitigated

2.2.2. Onsite Construction Emissions by Year, Unmitigated

2.2.3. Offsite Construction Emissions by Year, Unmitigated

2.3. Operations Emissions Compared Against Thresholds

2.4. Operations Emissions by Sector, Unmitigated

3. Construction Emissions Details

3.1. Demolition (2026)

3.1.1. Onsite - Unmitigated

3.1.2. Offsite - Unmitigated

3.2. Site Preparation (2026)

3.2.1. Onsite - Unmitigated

3.2.2. Offsite - Unmitigated

3.3. Grading (2026)

3.3.1. Onsite - Unmitigated

3.3.2. Offsite - Unmitigated

3.4. Building Construction (2026)

3.4.1. Onsite - Unmitigated

3.4.2. Offsite - Unmitigated

3.5. Building Construction (2027)

3.5.1. Onsite - Unmitigated

3.5.2. Offsite - Unmitigated

3.6. Paving (2027)

3.6.1. Onsite - Unmitigated

3.6.2. Offsite - Unmitigated

3.7. Architectural Coating (2027)

3.7.1. Onsite - Unmitigated

3.7.2. Offsite - Unmitigated

4. Operations Emissions Details

4.1. Mobile Emissions by Land Use

4.1.1. Unmitigated

4.2. Energy

4.2.1. Electricity Emissions By Land Use - Unmitigated

4.2.3. Natural Gas Emissions By Land Use - Unmitigated

4.3. Area Emissions by Source

4.3.1. Unmitigated

4.4. Water Emissions by Land Use

4.4.1. Unmitigated

4.5. Waste Emissions by Land Use

4.5.1. Unmitigated

4.6. Refrigerant Emissions by Land Use

4.6.1. Unmitigated

4.7. Offroad Emissions By Equipment Type

4.7.1. Unmitigated

4.8. Stationary Emissions By Equipment Type

4.8.1. Unmitigated

4.9. User Defined Emissions By Equipment Type

4.9.1. Unmitigated

4.10. Soil Carbon Accumulation By Vegetation Type

4.10.1. Soil Carbon Accumulation By Vegetation Type - Unmitigated

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

4.10.3. Avoided and Sequestered Emissions by Species - Unmitigated

5. Activity Data

5.1. Construction Schedule

5.2. Off-Road Equipment

5.2.1. Unmitigated

5.3. Construction Vehicles

5.3.1. Unmitigated

5.4. Vehicles

5.4.1. Construction Vehicle Control Strategies

5.5. Architectural Coatings

5.6. Dust Mitigation

5.6.1. Construction Earthmoving Activities

5.6.2. Construction Earthmoving Control Strategies

5.7. Construction Paving

5.8. Construction Electricity Consumption and Emissions Factors

5.9. Operational Mobile Sources

5.9.1. Unmitigated

5.10. Operational Area Sources

5.10.1. Hearths

5.10.2. Architectural Coatings

5.10.3. Landscape Equipment

5.11. Operational Energy Consumption

5.11.1. Unmitigated

5.12. Operational Water and Wastewater Consumption

5.12.1. Unmitigated

5.13. Operational Waste Generation

5.13.1. Unmitigated

5.14. Operational Refrigeration and Air Conditioning Equipment

5.14.1. Unmitigated

5.15. Operational Off-Road Equipment

5.15.1. Unmitigated

5.16. Stationary Sources

5.16.1. Emergency Generators and Fire Pumps

5.16.2. Process Boilers

5.17. User Defined

5.18. Vegetation

5.18.1. Land Use Change

5.18.1.1. Unmitigated

5.18.1. Biomass Cover Type

5.18.1.1. Unmitigated

5.18.2. Sequestration

5.18.2.1. Unmitigated

6. Climate Risk Detailed Report

6.1. Climate Risk Summary

6.2. Initial Climate Risk Scores

6.3. Adjusted Climate Risk Scores

6.4. Climate Risk Reduction Measures

7. Health and Equity Details

7.1. CalEnviroScreen 4.0 Scores

7.2. Healthy Places Index Scores

7.3. Overall Health & Equity Scores

7.4. Health & Equity Measures

7.5. Evaluation Scorecard

7.6. Health & Equity Custom Measures

8. User Changes to Default Data

8.1. Justifications

8.3. Land Use

8.5. Operations

8.5.1. Mobile Sources

8.5.1.2. Fleet Mix

8.5.2. Area Sources

8.5.2.1. Hearths

1. Basic Project Information

1.1. Basic Project Information

Data Field	Value
Project Name	VTSM 25-160
Construction Start Date	7/1/2026
Operational Year	2027
Lead Agency	—
Land Use Scale	Project/site
Analysis Level for Defaults	County
Windspeed (m/s)	2.90000
Precipitation (days)	16.4000
Location	36.93871906292031, -120.04167138920575
County	Madera
City	Madera
Air District	San Joaquin Valley APCD
Air Basin	San Joaquin Valley
TAZ	2557
EDFZ	5
Electric Utility	Pacific Gas & Electric Company
Gas Utility	Pacific Gas & Electric
App Version	2022.1.1.44

1.2. Land Use Types

Land Use Subtype	Size	Unit	Lot Acreage	Building Area (sq ft)	Landscape Area (sq ft)	Special Landscape Area (sq ft)	Population	Description
Single Family Housing	33.0000	Dwelling Unit	5.00000	64,350.0	386,524	—	108.000	—

1.3. User-Selected Emission Reduction Measures by Emissions Sector

No measures selected

2. Emissions Summary

2.1. Construction Emissions Compared Against Thresholds

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

Un/Mit.	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	20.2862	20.2619	29.2017	29.3882	0.04890	1.24251	7.75402	8.99653	1.14311	3.96053	5.10364	—	5,395.56	5,395.56	0.21799	0.05864	0.69675	5,415.44
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	1.33520	1.12165	10.0498	13.3549	0.02439	0.38064	0.09747	0.47812	0.35035	0.02443	0.37479	—	2,594.32	2,594.32	0.10169	0.04189	0.01519	2,609.36
Average Daily (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	1.69103	1.59810	4.94906	6.09210	0.01092	0.19851	0.40303	0.60154	0.18268	0.19070	0.37338	—	1,162.83	1,162.83	0.04543	0.01834	0.10375	1,169.54
Annual (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	0.30861	0.29165	0.90320	1.11181	0.00199	0.03623	0.07355	0.10978	0.03334	0.03480	0.06814	—	192.521	192.521	0.00752	0.00304	0.01718	193.631

2.2. Construction Emissions by Year

2.2.1. Total Construction Emissions by Year, Unmitigated

Includes both onsite and offsite emissions.

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

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

Daily - Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2026	3.82414	3.22226	29.2017	29.3882	0.04890	1.24251	7.75402	8.99653	1.14311	3.96053	5.10364	—	5,395.56	5,395.56	0.21799	0.05864	0.69675	5,415.44
2027	20.2862	20.2619	9.56143	13.3464	0.02439	0.33857	0.10033	0.43604	0.31164	0.02443	0.33607	—	2,596.95	2,596.95	0.10072	0.04189	0.52681	2,612.48
Daily - Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2026	1.33520	1.12165	10.0498	13.3549	0.02439	0.38064	0.09747	0.47812	0.35035	0.02443	0.37479	—	2,594.32	2,594.32	0.10169	0.04189	0.01519	2,609.36
2027	1.28155	1.07782	9.57704	13.2973	0.02439	0.33857	0.09747	0.43604	0.31164	0.02443	0.33607	—	2,590.16	2,590.16	0.10142	0.04189	0.01365	2,605.20
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2026	0.65861	0.55405	4.94906	5.74791	0.00998	0.19851	0.40303	0.60154	0.18268	0.19070	0.37338	—	1,079.24	1,079.24	0.04263	0.01512	0.08249	1,084.90
2027	1.69103	1.59810	4.35246	6.09210	0.01092	0.15475	0.04612	0.20088	0.14244	0.01146	0.15390	—	1,162.83	1,162.83	0.04543	0.01834	0.10375	1,169.54
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2026	0.12020	0.10111	0.90320	1.04899	0.00182	0.03623	0.07355	0.10978	0.03334	0.03480	0.06814	—	178.681	178.681	0.00706	0.00250	0.01366	179.617
2027	0.30861	0.29165	0.79432	1.11181	0.00199	0.02824	0.00842	0.03666	0.02599	0.00209	0.02809	—	192.521	192.521	0.00752	0.00304	0.01718	193.631

2.2.2. Onsite Construction Emissions by Year, Unmitigated

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

Year	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily - Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2026	3.74146	3.14387	29.1635	28.8082	0.04890	1.24251	7.66623	8.90875	1.14311	3.93995	5.08307	—	5,297.94	5,297.94	0.21491	0.04298	0.00000	5,316.12
2027	20.2756	20.2518	9.39093	12.9379	0.02340	0.33657	0.00000	0.33657	0.30965	0.00000	0.30965	—	2,397.08	2,397.08	0.09724	0.01945	0.00000	2,405.30
Daily - Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2026	1.27993	1.07101	9.85401	12.9664	0.02340	0.37865	0.00000	0.37865	0.34836	0.00000	0.34836	—	2,397.24	2,397.24	0.09724	0.01945	0.00000	2,405.47
2027	1.23076	1.02988	9.39093	12.9379	0.02340	0.33657	0.00000	0.33657	0.30965	0.00000	0.30965	—	2,397.08	2,397.08	0.09724	0.01945	0.00000	2,405.30

Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2026	0.63717	0.53426	4.89137	5.60270	0.00970	0.19790	0.36901	0.56691	0.18207	0.18228	0.36435	—	1,015.81	1,015.81	0.04121	0.00824	0.00000	1,019.30
2027	1.66495	1.57330	4.27506	5.91295	0.01051	0.15393	0.00000	0.15393	0.14161	0.00000	0.14161	—	1,075.79	1,075.79	0.04364	0.00873	0.00000	1,079.48
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2026	0.11628	0.09750	0.89268	1.02249	0.00177	0.03612	0.06734	0.10346	0.03323	0.03327	0.06649	—	168.179	168.179	0.00682	0.00136	0.00000	168.756
2027	0.30385	0.28713	0.78020	1.07911	0.00192	0.02809	0.00000	0.02809	0.02584	0.00000	0.02584	—	178.110	178.110	0.00722	0.00144	0.00000	178.721

2.2.3. Offsite Construction Emissions by Year, Unmitigated

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

Year	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily - Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2026	0.08268	0.07840	0.23542	0.58006	0.00116	0.00331	0.12160	0.12490	0.00331	0.03033	0.03363	—	253.164	253.164	0.00413	0.03084	0.69675	263.155
2027	0.08920	0.08430	0.17049	0.61033	0.00100	0.00199	0.10033	0.10033	0.00199	0.02443	0.02642	—	199.875	199.875	0.00353	0.02244	0.52681	207.177
Daily - Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2026	0.05527	0.05064	0.19577	0.38855	0.00100	0.00199	0.09747	0.09946	0.00199	0.02443	0.02642	—	197.078	197.078	0.00445	0.02244	0.01519	203.893
2027	0.05079	0.04794	0.18611	0.35937	0.00100	0.00199	0.09747	0.09946	0.00199	0.02443	0.02642	—	193.085	193.085	0.00419	0.02244	0.01365	199.892
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2026	0.02144	0.01978	0.05769	0.14521	0.00028	0.00061	0.03402	0.03464	0.00061	0.00841	0.00903	—	63.4301	63.4301	0.00142	0.00688	0.08249	65.5994
2027	0.02608	0.02480	0.07740	0.17915	0.00041	0.00083	0.04612	0.04695	0.00083	0.01146	0.01229	—	87.0426	87.0426	0.00180	0.00961	0.10375	90.0554
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2026	0.00391	0.00361	0.01053	0.02650	0.00005	0.00011	0.00621	0.00632	0.00011	0.00154	0.00165	—	10.5016	10.5016	0.00023	0.00114	0.01366	10.8607
2027	0.00476	0.00453	0.01412	0.03269	0.00008	0.00015	0.00842	0.00857	0.00015	0.00209	0.00224	—	14.4109	14.4109	0.00030	0.00159	0.01718	14.9097

2.3. Operations Emissions Compared Against Thresholds

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

Un/Mit.	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	2.79659	2.72926	0.90026	7.17654	0.01244	0.03399	0.87811	0.91211	0.03331	0.22157	0.25488	19.4068	1,644.61	1,664.01	2.06784	0.06529	3.60548	1,738.77
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	2.49350	2.42825	0.97688	5.20063	0.01144	0.03312	0.87811	0.91123	0.03265	0.22157	0.25422	19.4068	1,546.22	1,565.63	2.08347	0.07075	0.54240	1,639.34
Average Daily (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	2.57218	2.50722	0.92268	5.71710	0.01151	0.03339	0.84936	0.88276	0.03283	0.21434	0.24717	19.4068	1,551.94	1,571.34	2.07405	0.06646	1.78839	1,644.79
Annual (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	0.46942	0.45757	0.16839	1.04337	0.00210	0.00609	0.15501	0.16110	0.00599	0.03912	0.04511	3.21301	256.941	260.154	0.34338	0.01100	0.29609	272.313

2.4. Operations Emissions by Sector, Unmitigated

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

Sector	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	1.09771	1.05852	0.55816	5.16507	0.01029	0.00689	0.87811	0.88500	0.00642	0.22157	0.22799	—	1,047.34	1,047.34	0.05559	0.05459	3.14461	1,068.14
Area	1.66094	1.65177	0.01788	1.87350	0.00008	0.00089	—	0.00089	0.00068	—	0.00068	0.00000	5.00568	5.00568	0.00021	0.00004	—	5.02329
Energy	0.03794	0.01897	0.32422	0.13796	0.00207	0.02621	—	0.02621	0.02621	—	0.02621	—	583.910	583.910	0.06431	0.00416	—	586.756
Water	—	—	—	—	—	—	—	—	—	—	—	2.60389	8.34736	10.9512	0.26835	0.00651	—	19.5992
Waste	—	—	—	—	—	—	—	—	—	—	—	16.8029	0.00000	16.8029	1.67939	0.00000	—	58.7875
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.46087	0.46087
Total	2.79659	2.72926	0.90026	7.17654	0.01244	0.03399	0.87811	0.91211	0.03331	0.22157	0.25488	19.4068	1,644.61	1,664.01	2.06784	0.06529	3.60548	1,738.77

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	0.96812	0.92184	0.65266	5.06267	0.00937	0.00690	0.87811	0.88501	0.00643	0.22157	0.22800	—	953.967	953.967	0.07142	0.06009	0.08153	973.739
Area	1.48744	1.48744	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000
Energy	0.03794	0.01897	0.32422	0.13796	0.00207	0.02621	—	0.02621	0.02621	—	0.02621	—	583.910	583.910	0.06431	0.00416	—	586.756
Water	—	—	—	—	—	—	—	—	—	—	—	2.60389	8.34736	10.9512	0.26835	0.00651	—	19.5992
Waste	—	—	—	—	—	—	—	—	—	—	—	16.8029	0.00000	16.8029	1.67939	0.00000	—	58.7875
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.46087	0.46087
Total	2.49350	2.42825	0.97688	5.20063	0.01144	0.03312	0.87811	0.91123	0.03265	0.22157	0.25422	19.4068	1,546.22	1,565.63	2.08347	0.07075	0.54240	1,639.34
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	0.96124	0.91977	0.58964	4.65522	0.00940	0.00674	0.84936	0.85610	0.00628	0.21434	0.22062	—	957.210	957.210	0.06191	0.05578	1.32751	976.706
Area	1.57300	1.56848	0.00882	0.92392	0.00004	0.00044	—	0.00044	0.00033	—	0.00033	0.00000	2.46855	2.46855	0.00010	0.00002	—	2.47724
Energy	0.03794	0.01897	0.32422	0.13796	0.00207	0.02621	—	0.02621	0.02621	—	0.02621	—	583.910	583.910	0.06431	0.00416	—	586.756
Water	—	—	—	—	—	—	—	—	—	—	—	2.60389	8.34736	10.9512	0.26835	0.00651	—	19.5992
Waste	—	—	—	—	—	—	—	—	—	—	—	16.8029	0.00000	16.8029	1.67939	0.00000	—	58.7875
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.46087	0.46087
Total	2.57218	2.50722	0.92268	5.71710	0.01151	0.03339	0.84936	0.88276	0.03283	0.21434	0.24717	19.4068	1,551.94	1,571.34	2.07405	0.06646	1.78839	1,644.79
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	0.17543	0.16786	0.10761	0.84958	0.00172	0.00123	0.15501	0.15624	0.00115	0.03912	0.04026	—	158.477	158.477	0.01025	0.00923	0.21979	161.705
Area	0.28707	0.28625	0.00161	0.16862	0.00001	0.00008	—	0.00008	0.00006	—	0.00006	0.00000	0.40870	0.40870	0.00002	< 0.000005	—	0.41014
Energy	0.00692	0.00346	0.05917	0.02518	0.00038	0.00478	—	0.00478	0.00478	—	0.00478	—	96.6729	96.6729	0.01065	0.00069	—	97.1441
Water	—	—	—	—	—	—	—	—	—	—	—	0.43110	1.38200	1.81310	0.04443	0.00108	—	3.24487
Waste	—	—	—	—	—	—	—	—	—	—	—	2.78191	0.00000	2.78191	0.27804	0.00000	—	9.73295
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.07630	0.07630
Total	0.46942	0.45757	0.16839	1.04337	0.00210	0.00609	0.15501	0.16110	0.00599	0.03912	0.04511	3.21301	256.941	260.154	0.34338	0.01100	0.29609	272.313

3. Construction Emissions Details

3.1. Demolition (2026)

3.1.1. Onsite - Unmitigated

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	2.72490	2.28674	20.6515	19.0056	0.03253	0.84309	—	0.84309	0.77564	—	0.77564	—	3,426.59	3,426.59	0.13900	0.02780	—	3,438.35
Demolition	—	—	—	—	—	—	0.13908	0.13908	—	0.02106	0.02106	—	—	—	—	—	—	—
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.14931	0.12530	1.13159	1.04140	0.00178	0.04620	—	0.04620	0.04250	—	0.04250	—	187.759	187.759	0.00762	0.00152	—	188.403
Demolition	—	—	—	—	—	—	0.00762	0.00762	—	0.00115	0.00115	—	—	—	—	—	—	—
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipm	0.02725	0.02287	0.20652	0.19006	0.00033	0.00843	—	0.00843	0.00776	—	0.00776	—	31.0856	31.0856	0.00126	0.00025	—	31.1922
Demolition	—	—	—	—	—	—	0.00139	0.00139	—	0.00021	0.00021	—	—	—	—	—	—	—
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000

3.1.2. Offsite - Unmitigated

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.07087	0.06720	0.03271	0.49720	0.00000	0.00000	0.07525	0.07525	0.00000	0.01764	0.01764	—	83.6751	83.6751	0.00265	0.00367	0.29479	85.1299
Vendor	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Hauling	0.00485	0.00320	0.20272	0.04090	0.00116	0.00331	0.04635	0.04966	0.00331	0.01269	0.01600	—	169.489	169.489	0.00149	0.02717	0.40196	178.025
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00350	0.00328	0.00198	0.02312	0.00000	0.00000	0.00408	0.00408	0.00000	0.00096	0.00096	—	4.22995	4.22995	0.00018	0.00020	0.00697	4.30139
Vendor	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Hauling	0.00026	0.00017	0.01159	0.00227	0.00006	0.00018	0.00252	0.00270	0.00018	0.00069	0.00087	—	9.28990	9.28990	0.00008	0.00149	0.00950	9.74513
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00064	0.00060	0.00036	0.00422	0.00000	0.00000	0.00074	0.00074	0.00000	0.00017	0.00017	—	0.70032	0.70032	0.00003	0.00003	0.00115	0.71215
Vendor	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Hauling	0.00005	0.00003	0.00212	0.00041	0.00001	0.00003	0.00046	0.00049	0.00003	0.00013	0.00016	—	1.53805	1.53805	0.00001	0.00025	0.00157	1.61342

3.2. Site Preparation (2026)

3.2.1. Onsite - Unmitigated

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	3.74146	3.14387	29.1635	28.8082	0.04890	1.24251	—	1.24251	1.14311	—	1.14311	—	5,297.94	5,297.94	0.21491	0.04298	—	5,316.12
Dust From Material Movement	—	—	—	—	—	—	7.66623	7.66623	—	3.93995	3.93995	—	—	—	—	—	—	—
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.10251	0.08613	0.79900	0.78927	0.00134	0.03404	—	0.03404	0.03132	—	0.03132	—	145.149	145.149	0.00589	0.00118	—	145.647
Dust From Material Movement	—	—	—	—	—	—	0.21003	0.21003	—	0.10794	0.10794	—	—	—	—	—	—	—
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01871	0.01572	0.14582	0.14404	0.00024	0.00621	—	0.00621	0.00572	—	0.00572	—	24.0311	24.0311	0.00097	0.00019	—	24.1135

Dust From Material Movement	—	—	—	—	—	—	0.03833	0.03833	—	0.01970	0.01970	—	—	—	—	—	—	—
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000

3.2.2. Offsite - Unmitigated

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.08268	0.07840	0.03816	0.58006	0.00000	0.00000	0.08779	0.08779	0.00000	0.02058	0.02058	—	97.6209	97.6209	0.00309	0.00428	0.34392	99.3182
Vendor	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00204	0.00192	0.00115	0.01349	0.00000	0.00000	0.00238	0.00238	0.00000	0.00056	0.00056	—	2.46747	2.46747	0.00011	0.00012	0.00407	2.50915
Vendor	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00037	0.00035	0.00021	0.00246	0.00000	0.00000	0.00043	0.00043	0.00000	0.00010	0.00010	—	0.40852	0.40852	0.00002	0.00002	0.00067	0.41542
Vendor	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000

3.3. Grading (2026)

3.3.1. Onsite - Unmitigated

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.95871	1.64586	14.9701	17.4372	0.02732	0.64622	—	0.64622	0.59452	—	0.59452	—	2,959.64	2,959.64	0.12006	0.02401	—	2,969.79
Dust From Material Movement	—	—	—	—	—	—	2.76221	2.76221	—	1.33565	1.33565	—	—	—	—	—	—	—
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.10733	0.09018	0.82028	0.95546	0.00150	0.03541	—	0.03541	0.03258	—	0.03258	—	162.172	162.172	0.00658	0.00132	—	162.728
Dust From Material Movement	—	—	—	—	—	—	0.15135	0.15135	—	0.07319	0.07319	—	—	—	—	—	—	—
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01959	0.01646	0.14970	0.17437	0.00027	0.00646	—	0.00646	0.00595	—	0.00595	—	26.8494	26.8494	0.00109	0.00022	—	26.9415

Dust From Material Movement	—	—	—	—	—	—	0.02762	0.02762	—	0.01336	0.01336	—	—	—	—	—	—	—
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000

3.3.2. Offsite - Unmitigated

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.07087	0.06720	0.03271	0.49720	0.00000	0.00000	0.07525	0.07525	0.00000	0.01764	0.01764	—	83.6751	83.6751	0.00265	0.00367	0.29479	85.1299
Vendor	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00350	0.00328	0.00198	0.02312	0.00000	0.00000	0.00408	0.00408	0.00000	0.00096	0.00096	—	4.22995	4.22995	0.00018	0.00020	0.00697	4.30139
Vendor	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00064	0.00060	0.00036	0.00422	0.00000	0.00000	0.00074	0.00074	0.00000	0.00017	0.00017	—	0.70032	0.70032	0.00003	0.00003	0.00115	0.71215
Vendor	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000

3.4. Building Construction (2026)

3.4.1. Onsite - Unmitigated

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.27993	1.07101	9.85401	12.9664	0.02340	0.37865	—	0.37865	0.34836	—	0.34836	—	2,397.24	2,397.24	0.09724	0.01945	—	2,405.47
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.27993	1.07101	9.85401	12.9664	0.02340	0.37865	—	0.37865	0.34836	—	0.34836	—	2,397.24	2,397.24	0.09724	0.01945	—	2,405.47
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.27803	0.23265	2.14050	2.81657	0.00508	0.08225	—	0.08225	0.07567	—	0.07567	—	520.731	520.731	0.02112	0.00422	—	522.518
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.05074	0.04246	0.39064	0.51402	0.00093	0.01501	—	0.01501	0.01381	—	0.01381	—	86.2130	86.2130	0.00350	0.00070	—	86.5089
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000

3.4.2. Offsite - Unmitigated

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.05613	0.05322	0.02590	0.39378	0.00000	0.00000	0.05960	0.05960	0.00000	0.01397	0.01397	—	66.2707	66.2707	0.00210	0.00291	0.23347	67.4229
Vendor	0.00548	0.00394	0.15334	0.04918	0.00100	0.00199	0.03788	0.03987	0.00199	0.01046	0.01246	—	137.756	137.756	0.00138	0.01954	0.35162	143.964
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.05010	0.04693	0.03146	0.33881	0.00000	0.00000	0.05960	0.05960	0.00000	0.01397	0.01397	—	59.2292	59.2292	0.00314	0.00291	0.00606	60.1802
Vendor	0.00516	0.00370	0.16432	0.04974	0.00100	0.00199	0.03788	0.03987	0.00199	0.01046	0.01246	—	137.849	137.849	0.00131	0.01954	0.00912	143.713
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01100	0.01031	0.00620	0.07259	0.00000	0.00000	0.01281	0.01281	0.00000	0.00300	0.00300	—	13.2808	13.2808	0.00057	0.00063	0.02189	13.5052
Vendor	0.00114	0.00082	0.03479	0.01062	0.00022	0.00043	0.00815	0.00859	0.00043	0.00225	0.00269	—	29.9319	29.9319	0.00030	0.00424	0.03309	31.2372
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00201	0.00188	0.00113	0.01325	0.00000	0.00000	0.00234	0.00234	0.00000	0.00055	0.00055	—	2.19880	2.19880	0.00009	0.00010	0.00362	2.23593
Vendor	0.00021	0.00015	0.00635	0.00194	0.00004	0.00008	0.00149	0.00157	0.00008	0.00041	0.00049	—	4.95557	4.95557	0.00005	0.00070	0.00548	5.17167
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000

3.5. Building Construction (2027)

3.5.1. Onsite - Unmitigated

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

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

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.23076	1.02988	9.39093	12.9379	0.02340	0.33657	—	0.33657	0.30965	—	0.30965	—	2,397.08	2,397.08	0.09724	0.01945	—	2,405.30
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.23076	1.02988	9.39093	12.9379	0.02340	0.33657	—	0.33657	0.30965	—	0.30965	—	2,397.08	2,397.08	0.09724	0.01945	—	2,405.30
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.51061	0.42727	3.89604	5.36760	0.00971	0.13964	—	0.13964	0.12846	—	0.12846	—	994.482	994.482	0.04034	0.00807	—	997.895
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.09319	0.07798	0.71103	0.97959	0.00177	0.02548	—	0.02548	0.02344	—	0.02344	—	164.648	164.648	0.00668	0.00134	—	165.213
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000

3.5.2. Offsite - Unmitigated

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.05298	0.05008	0.02352	0.36253	0.00000	0.00000	0.05960	0.05960	0.00000	0.01397	0.01397	—	64.9476	64.9476	0.00210	0.00291	0.21220	66.0785
Vendor	0.00540	0.00394	0.14697	0.04589	0.00100	0.00199	0.03788	0.03987	0.00199	0.01046	0.01246	—	134.927	134.927	0.00138	0.01954	0.31460	141.098
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.04562	0.04432	0.02907	0.31293	0.00000	0.00000	0.05960	0.05960	0.00000	0.01397	0.01397	—	58.0624	58.0624	0.00288	0.00291	0.00550	59.0063
Vendor	0.00516	0.00362	0.15704	0.04645	0.00100	0.00199	0.03788	0.03987	0.00199	0.01046	0.01246	—	135.023	135.023	0.00131	0.01954	0.00814	140.885
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01915	0.01860	0.01086	0.12801	0.00000	0.00000	0.02446	0.02446	0.00000	0.00573	0.00573	—	24.8635	24.8635	0.00098	0.00121	0.03806	25.2854
Vendor	0.00217	0.00157	0.06384	0.01929	0.00041	0.00083	0.01557	0.01640	0.00083	0.00431	0.00513	—	55.9940	55.9940	0.00057	0.00811	0.05622	58.4799
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00349	0.00339	0.00198	0.02336	0.00000	0.00000	0.00446	0.00446	0.00000	0.00105	0.00105	—	4.11644	4.11644	0.00016	0.00020	0.00630	4.18629
Vendor	0.00040	0.00029	0.01165	0.00352	0.00008	0.00015	0.00284	0.00299	0.00015	0.00079	0.00094	—	9.27044	9.27044	0.00010	0.00134	0.00931	9.68201
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000

3.6. Paving (2027)

3.6.1. Onsite - Unmitigated

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

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

Off-Roa Equipment	0.79104	0.66333	6.08588	8.82716	0.01296	0.24176	—	0.24176	0.22242	—	0.22242	—	1,350.39	1,350.39	0.05478	0.01096	—	1,355.03
Paving	0.00000	0.00000	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Roa d Equipm ent	0.04334	0.03635	0.33347	0.48368	0.00071	0.01325	—	0.01325	0.01219	—	0.01219	—	73.9941	73.9941	0.00300	0.00060	—	74.2480
Paving	0.00000	0.00000	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Roa d Equipm ent	0.00791	0.00663	0.06086	0.08827	0.00013	0.00242	—	0.00242	0.00222	—	0.00222	—	12.2506	12.2506	0.00050	0.00010	—	12.2926
Paving	0.00000	0.00000	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000

3.6.2. Offsite - Unmitigated

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.08920	0.08430	0.03960	0.61033	0.00000	0.00000	0.10033	0.10033	0.00000	0.02352	0.02352	—	109.339	109.339	0.00353	0.00489	0.35724	111.243
Vendor	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000

Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00426	0.00414	0.00241	0.02846	0.00000	0.00000	0.00544	0.00544	0.00000	0.00127	0.00127	—	5.52838	5.52838	0.00022	0.00027	0.00846	5.62220
Vendor	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00078	0.00075	0.00044	0.00519	0.00000	0.00000	0.00099	0.00099	0.00000	0.00023	0.00023	—	0.91529	0.91529	0.00004	0.00004	0.00140	0.93082
Vendor	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000

3.7. Architectural Coating (2027)

3.7.1. Onsite - Unmitigated

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.13715	0.11335	0.83116	1.12539	0.00173	0.01905	—	0.01905	0.01752	—	0.01752	—	133.513	133.513	0.00542	0.00108	—	133.971
Architectural Coatings	20.1385	20.1385	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.00752	0.00621	0.04554	0.06167	0.00009	0.00104	—	0.00104	0.00096	—	0.00096	—	7.31577	7.31577	0.00030	0.00006	—	7.34087
Architectural Coatings	1.10348	1.10348	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.00137	0.00113	0.00831	0.01125	0.00002	0.00019	—	0.00019	0.00018	—	0.00018	—	1.21121	1.21121	0.00005	0.00001	—	1.21537
Architectural Coatings	0.20138	0.20138	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000

3.7.2. Offsite - Unmitigated

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01060	0.01002	0.00470	0.07251	0.00000	0.00000	0.01192	0.01192	0.00000	0.00279	0.00279	—	12.9895	12.9895	0.00042	0.00058	0.04244	13.2157
Vendor	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000

Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00051	0.00049	0.00029	0.00338	0.00000	0.00000	0.00065	0.00065	0.00000	0.00015	0.00015	—	0.65677	0.65677	0.00003	0.00003	0.00101	0.66792
Vendor	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00009	0.00009	0.00005	0.00062	0.00000	0.00000	0.00012	0.00012	0.00000	0.00003	0.00003	—	0.10874	0.10874	< 0.000005	0.00001	0.00017	0.11058
Vendor	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000

4. Operations Emissions Details

4.1. Mobile Emissions by Land Use

4.1.1. Unmitigated

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

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Single Family Housing	1.09771	1.05852	0.55816	5.16507	0.01029	0.00689	0.87811	0.88500	0.00642	0.22157	0.22799	—	1,047.34	1,047.34	0.05559	0.05459	3.14461	1,068.14
Total	1.09771	1.05852	0.55816	5.16507	0.01029	0.00689	0.87811	0.88500	0.00642	0.22157	0.22799	—	1,047.34	1,047.34	0.05559	0.05459	3.14461	1,068.14

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Single Family Housing	0.96812	0.92184	0.65266	5.06267	0.00937	0.00690	0.87811	0.88501	0.00643	0.22157	0.22800	—	953.967	953.967	0.07142	0.06009	0.08153	973.739
Total	0.96812	0.92184	0.65266	5.06267	0.00937	0.00690	0.87811	0.88501	0.00643	0.22157	0.22800	—	953.967	953.967	0.07142	0.06009	0.08153	973.739
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Single Family Housing	0.17543	0.16786	0.10761	0.84958	0.00172	0.00123	0.15501	0.15624	0.00115	0.03912	0.04026	—	158.477	158.477	0.01025	0.00923	0.21979	161.705
Total	0.17543	0.16786	0.10761	0.84958	0.00172	0.00123	0.15501	0.15624	0.00115	0.03912	0.04026	—	158.477	158.477	0.01025	0.00923	0.21979	161.705

4.2. Energy

4.2.1. Electricity Emissions By Land Use - Unmitigated

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

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Single Family Housing	—	—	—	—	—	—	—	—	—	—	—	—	172.372	172.372	0.02789	0.00338	—	174.077
Total	—	—	—	—	—	—	—	—	—	—	—	—	172.372	172.372	0.02789	0.00338	—	174.077
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Single Family Housing	—	—	—	—	—	—	—	—	—	—	—	—	172.372	172.372	0.02789	0.00338	—	174.077
Total	—	—	—	—	—	—	—	—	—	—	—	—	172.372	172.372	0.02789	0.00338	—	174.077
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Single Family Housing	—	—	—	—	—	—	—	—	—	—	—	—	28.5382	28.5382	0.00462	0.00056	—	28.8204
Total	—	—	—	—	—	—	—	—	—	—	—	—	28.5382	28.5382	0.00462	0.00056	—	28.8204

4.2.3. Natural Gas Emissions By Land Use - Unmitigated

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

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Single Family Housing	0.03794	0.01897	0.32422	0.13796	0.00207	0.02621	—	0.02621	0.02621	—	0.02621	—	411.537	411.537	0.03642	0.00077	—	412.679
Total	0.03794	0.01897	0.32422	0.13796	0.00207	0.02621	—	0.02621	0.02621	—	0.02621	—	411.537	411.537	0.03642	0.00077	—	412.679
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Single Family Housing	0.03794	0.01897	0.32422	0.13796	0.00207	0.02621	—	0.02621	0.02621	—	0.02621	—	411.537	411.537	0.03642	0.00077	—	412.679
Total	0.03794	0.01897	0.32422	0.13796	0.00207	0.02621	—	0.02621	0.02621	—	0.02621	—	411.537	411.537	0.03642	0.00077	—	412.679
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Single Family Housing	0.00692	0.00346	0.05917	0.02518	0.00038	0.00478	—	0.00478	0.00478	—	0.00478	—	68.1347	68.1347	0.00603	0.00013	—	68.3237
Total	0.00692	0.00346	0.05917	0.02518	0.00038	0.00478	—	0.00478	0.00478	—	0.00478	—	68.1347	68.1347	0.00603	0.00013	—	68.3237

4.3. Area Emissions by Source

4.3.1. Unmitigated

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

Source	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Hearths	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000
Consumer Products	1.37709	1.37709	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	0.11035	0.11035	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Landscape Equipment	0.17350	0.16433	0.01788	1.87350	0.00008	0.00089	—	0.00089	0.00068	—	0.00068	—	5.00568	5.00568	0.00021	0.00004	—	5.02329
Total	1.66094	1.65177	0.01788	1.87350	0.00008	0.00089	—	0.00089	0.00068	—	0.00068	0.00000	5.00568	5.00568	0.00021	0.00004	—	5.02329
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Hearths	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000
Consumer Products	1.37709	1.37709	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	0.11035	0.11035	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	1.48744	1.48744	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Hearths	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000

Consumer Products	0.25132	0.25132	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	0.02014	0.02014	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Landscape Equipment	0.01562	0.01479	0.00161	0.16862	0.00001	0.00008	—	0.00008	0.00006	—	0.00006	—	0.40870	0.40870	0.00002	< 0.000005	—	0.41014
Total	0.28707	0.28625	0.00161	0.16862	0.00001	0.00008	—	0.00008	0.00006	—	0.00006	0.00000	0.40870	0.40870	0.00002	< 0.000005	—	0.41014

4.4. Water Emissions by Land Use

4.4.1. Unmitigated

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

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Single Family Housing	—	—	—	—	—	—	—	—	—	—	—	2.60389	8.34736	10.9512	0.26835	0.00651	—	19.5992
Total	—	—	—	—	—	—	—	—	—	—	—	2.60389	8.34736	10.9512	0.26835	0.00651	—	19.5992
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Single Family Housing	—	—	—	—	—	—	—	—	—	—	—	2.60389	8.34736	10.9512	0.26835	0.00651	—	19.5992
Total	—	—	—	—	—	—	—	—	—	—	—	2.60389	8.34736	10.9512	0.26835	0.00651	—	19.5992

Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Single Family Housing	—	—	—	—	—	—	—	—	—	—	—	0.43110	1.38200	1.81310	0.04443	0.00108	—	3.24487
Total	—	—	—	—	—	—	—	—	—	—	—	0.43110	1.38200	1.81310	0.04443	0.00108	—	3.24487

4.5. Waste Emissions by Land Use

4.5.1. Unmitigated

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

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Single Family Housing	—	—	—	—	—	—	—	—	—	—	—	16.8029	0.00000	16.8029	1.67939	0.00000	—	58.7875
Total	—	—	—	—	—	—	—	—	—	—	—	16.8029	0.00000	16.8029	1.67939	0.00000	—	58.7875
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Single Family Housing	—	—	—	—	—	—	—	—	—	—	—	16.8029	0.00000	16.8029	1.67939	0.00000	—	58.7875
Total	—	—	—	—	—	—	—	—	—	—	—	16.8029	0.00000	16.8029	1.67939	0.00000	—	58.7875
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Single Family Housing	—	—	—	—	—	—	—	—	—	—	—	2.78191	0.00000	2.78191	0.27804	0.00000	—	9.73295
Total	—	—	—	—	—	—	—	—	—	—	—	2.78191	0.00000	2.78191	0.27804	0.00000	—	9.73295

4.6. Refrigerant Emissions by Land Use

4.6.1. Unmitigated

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

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Single Family Housing	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.46087	0.46087
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.46087	0.46087
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Single Family Housing	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.46087	0.46087
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.46087	0.46087
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Single Family Housing	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.07630	0.07630
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.07630	0.07630

4.7. Offroad Emissions By Equipment Type

4.7.1. Unmitigated

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

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

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

4.8. Stationary Emissions By Equipment Type

4.8.1. Unmitigated

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

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

4.9. User Defined Emissions By Equipment Type

4.9.1. Unmitigated

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

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

4.10. Soil Carbon Accumulation By Vegetation Type

4.10.1. Soil Carbon Accumulation By Vegetation Type - Unmitigated

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

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

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

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

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

4.10.3. Avoided and Sequestered Emissions by Species - Unmitigated

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

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

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

5. Activity Data

5.1. Construction Schedule

Phase Name	Phase Type	Start Date	End Date	Days Per Week	Work Days per Phase	Phase Description
Demolition	Demolition	7/1/2026	7/29/2026	5.00000	20.0000	—
Site Preparation	Site Preparation	7/30/2026	8/13/2026	5.00000	10.00000	—
Grading	Grading	8/14/2026	9/11/2026	5.00000	20.0000	—

Building Construction	Building Construction	9/12/2026	7/31/2027	5.00000	230.000	—
Paving	Paving	8/1/2027	8/29/2027	5.00000	20.0000	—
Architectural Coating	Architectural Coating	8/30/2027	9/27/2027	5.00000	20.0000	—

5.2. Off-Road Equipment

5.2.1. Unmitigated

Phase Name	Equipment Type	Fuel Type	Engine Tier	Number per Day	Hours Per Day	Horsepower	Load Factor
Demolition	Concrete/Industrial Saws	Diesel	Average	1.000000	8.00000	33.0000	0.73000
Demolition	Excavators	Diesel	Average	3.00000	8.00000	36.0000	0.38000
Demolition	Rubber Tired Dozers	Diesel	Average	2.00000	8.00000	367.000	0.40000
Site Preparation	Rubber Tired Dozers	Diesel	Average	3.00000	8.00000	367.000	0.40000
Site Preparation	Tractors/Loaders/Backhoes	Diesel	Average	4.00000	8.00000	84.0000	0.37000
Grading	Excavators	Diesel	Average	1.000000	8.00000	36.0000	0.38000
Grading	Graders	Diesel	Average	1.000000	8.00000	148.000	0.41000
Grading	Rubber Tired Dozers	Diesel	Average	1.000000	8.00000	367.000	0.40000
Grading	Tractors/Loaders/Backhoes	Diesel	Average	3.00000	8.00000	84.0000	0.37000
Building Construction	Cranes	Diesel	Average	1.000000	7.00000	367.000	0.29000
Building Construction	Forklifts	Diesel	Average	3.00000	8.00000	82.0000	0.20000
Building Construction	Generator Sets	Diesel	Average	1.000000	8.00000	14.0000	0.74000
Building Construction	Tractors/Loaders/Backhoes	Diesel	Average	3.00000	7.00000	84.0000	0.37000
Building Construction	Welders	Diesel	Average	1.000000	8.00000	46.0000	0.45000
Paving	Cement and Mortar Mixers	Diesel	Average	2.00000	6.00000	10.00000	0.56000
Paving	Pavers	Diesel	Average	1.000000	8.00000	81.0000	0.42000
Paving	Paving Equipment	Diesel	Average	2.00000	6.00000	89.0000	0.36000

Paving	Rollers	Diesel	Average	2.00000	6.00000	36.0000	0.38000
Paving	Tractors/Loaders/Backhoes	Diesel	Average	1.000000	8.00000	84.0000	0.37000
Architectural Coating	Air Compressors	Diesel	Average	1.000000	6.00000	37.0000	0.48000

5.3. Construction Vehicles

5.3.1. Unmitigated

Phase Name	Trip Type	One-Way Trips per Day	Miles per Trip	Vehicle Mix
Demolition	Worker	15.0000	7.10000	LDA,LDT1,LDT2
Demolition	Vendor	—	12.8000	HHDT,MHDT
Demolition	Hauling	2.50000	20.0000	HHDT
Demolition	Onsite truck	—	—	HHDT
Site Preparation	Worker	17.5000	7.10000	LDA,LDT1,LDT2
Site Preparation	Vendor	—	12.8000	HHDT,MHDT
Site Preparation	Hauling	0.00000	20.0000	HHDT
Site Preparation	Onsite truck	—	—	HHDT
Grading	Worker	15.0000	7.10000	LDA,LDT1,LDT2
Grading	Vendor	—	12.8000	HHDT,MHDT
Grading	Hauling	0.00000	20.0000	HHDT
Grading	Onsite truck	—	—	HHDT
Building Construction	Worker	11.8800	7.10000	LDA,LDT1,LDT2
Building Construction	Vendor	3.52770	12.8000	HHDT,MHDT
Building Construction	Hauling	0.00000	20.0000	HHDT
Building Construction	Onsite truck	—	—	HHDT
Paving	Worker	20.0000	7.10000	LDA,LDT1,LDT2
Paving	Vendor	—	12.8000	HHDT,MHDT
Paving	Hauling	0.00000	20.0000	HHDT
Paving	Onsite truck	—	—	HHDT

Architectural Coating	Worker	2.37600	7.10000	LDA,LDT1,LDT2
Architectural Coating	Vendor	—	12.8000	HHDT,MHDT
Architectural Coating	Hauling	0.00000	20.0000	HHDT
Architectural Coating	Onsite truck	—	—	HHDT

5.4. Vehicles

5.4.1. Construction Vehicle Control Strategies

Control Strategies Applied	PM10 Reduction	PM2.5 Reduction
Limit vehicle speeds on unpaved roads to 25 mph	44%	44%

5.5. Architectural Coatings

Phase Name	Residential Interior Area Coated (sq ft)	Residential Exterior Area Coated (sq ft)	Non-Residential Interior Area Coated (sq ft)	Non-Residential Exterior Area Coated (sq ft)	Parking Area Coated (sq ft)
Architectural Coating	130,309	43,436.3	0.00000	0.00000	—

5.6. Dust Mitigation

5.6.1. Construction Earthmoving Activities

Phase Name	Material Imported (cy)	Material Exported (cy)	Acres Graded (acres)	Material Demolished (Building Square Footage)	Acres Paved (acres)
Demolition	0.00000	0.00000	0.00000	4,320.00	0.00000
Site Preparation	—	—	15.0000	0.00000	0.00000
Grading	—	—	20.0000	0.00000	0.00000
Paving	0.00000	0.00000	0.00000	0.00000	0.36364

5.6.2. Construction Earthmoving Control Strategies

Control Strategies Applied	Frequency (per day)	PM10 Reduction	PM2.5 Reduction

Water Exposed Area	2	61%	61%
Water Demolished Area	2	36%	36%

5.7. Construction Paving

Phase Name	Land Use	Area Paved (acres)	% Asphalt
Paving	Single Family Housing	0.36364	0%

5.8. Construction Electricity Consumption and Emissions Factors

kWh per Year and Emission Factor (lb/MWh)

Year	kWh per Year	CO2	CH4	N2O
2026	0.00000	203.983	0.03300	0.00400
2027	0.00000	203.983	0.03300	0.00400

5.9. Operational Mobile Sources

5.9.1. Unmitigated

Land Use Type	Trips/Weekday	Trips/Saturday	Trips/Sunday	Trips/Year	VMT/Weekday	VMT/Saturday	VMT/Sunday	VMT/Year
Single Family Housing	311.520	314.820	282.150	112,345	1,245.49	1,258.68	1,128.07	449,169

5.10. Operational Area Sources

5.10.1. Hearths

Land Use	Hearth Type	Unmitigated (number)	Mitigated (number)
Single Family Housing	Wood Fireplaces	0	0
Single Family Housing	Gas Fireplaces	0	0
Single Family Housing	Propane Fireplaces	0	0
Single Family Housing	Electric Fireplaces	0	0

Single Family Housing	No Fireplaces	33	33
Single Family Housing	Conventional Wood Stoves	0	0
Single Family Housing	Catalytic Wood Stoves	0	0
Single Family Housing	Non-Catalytic Wood Stoves	0	0
Single Family Housing	Pellet Wood Stoves	0	0

5.10.2. Architectural Coatings

Residential Interior Area Coated (sq ft)	Residential Exterior Area Coated (sq ft)	Non-Residential Interior Area Coated (sq ft)	Non-Residential Exterior Area Coated (sq ft)	Parking Area Coated (sq ft)
130,309	43,436.3	0.00000	0.00000	—

5.10.3. Landscape Equipment

Season	Unit	Value
Snow Days	day/yr	0.00000
Summer Days	day/yr	180.000

5.11. Operational Energy Consumption

5.11.1. Unmitigated

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

Land Use	Electricity (kWh/yr)	CO2	CH4	N2O	Natural Gas (kBTU/yr)
Single Family Housing	308,437	203.983	0.0330	0.0040	1,284,107

5.12. Operational Water and Wastewater Consumption

5.12.1. Unmitigated

Land Use	Indoor Water (gal/year)	Outdoor Water (gal/year)
Single Family Housing	1,358,857	6,035,701

5.13. Operational Waste Generation

5.13.1. Unmitigated

Land Use	Waste (ton/year)	Cogeneration (kWh/year)
Single Family Housing	31.1777	0.00000

5.14. Operational Refrigeration and Air Conditioning Equipment

5.14.1. Unmitigated

Land Use	Equipment Type	Refrigerant	GWP	Quantity (kg)	Operations Leak Rate	Service Leak Rate	Times Serviced
Single Family Housing	Average room A/C & Other residential A/C and heat pumps	R-410A	2,088.00	0.00225	2.50000	2.50000	10.00000
Single Family Housing	Household refrigerators and/or freezers	R-134a	1,430.00	0.11538	0.60000	0.00000	1.000000

5.15. Operational Off-Road Equipment

5.15.1. Unmitigated

5.16. Stationary Sources

5.16.1. Emergency Generators and Fire Pumps

5.16.2. Process Boilers

5.17. User Defined

5.18. Vegetation

5.18.1. Land Use Change

5.18.1.1. Unmitigated

Vegetation Land Use Type	Vegetation Soil Type	Initial Acres	Final Acres

5.18.1. Biomass Cover Type

5.18.1.1. Unmitigated

Biomass Cover Type	Initial Acres	Final Acres

5.18.2. Sequestration

5.18.2.1. Unmitigated

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

6. Climate Risk Detailed Report

6.1. Climate Risk Summary

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

Climate Hazard	Result for Project Location	Unit
Temperature and Extreme Heat	29.2100	annual days of extreme heat
Extreme Precipitation	1.15000	annual days with precipitation above 20 mm
Sea Level Rise	—	meters of inundation depth
Wildfire	0.00000	annual hectares burned

Temperature and Extreme Heat data are for grid cell in which your project are located. The projection is based on the 98th historical percentile of daily maximum/minimum temperatures from observed historical data (32 climate model ensemble from Cal-Adapt, 2040–2059 average under RCP 8.5). Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.
Extreme Precipitation data are for the grid cell in which your project are located. The threshold of 20 mm is equivalent to about ¾ an inch of rain, which would be light to moderate rainfall if received over a full day or heavy rain if received over a period of 2 to 4 hours. Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.

Sea Level Rise data are for the grid cell in which your project are located. The projections are from Radke et al. (2017), as reported in Cal-Adapt (Radke et al., 2017, CEC-500-2017-008), and consider inundation location and depth for the San Francisco Bay, the Sacramento-San Joaquin River Delta and California coast resulting different increments of sea level rise coupled with extreme storm events. Users may select from four scenarios to view the range in potential inundation depth for the grid cell. The four scenarios are: No rise, 0.5 meter, 1.0 meter, 1.41 meters
Wildfire data are for the grid cell in which your project are located. The projections are from UC Davis, as reported in Cal-Adapt (2040–2059 average under RCP 8.5), and consider historical data of climate, vegetation, population density, and large (> 400 ha) fire history. Users may select from four model simulations to view the range in potential wildfire probabilities for the grid cell. The four simulations make different assumptions about expected rainfall and temperature are: Warmer/drier (HadGEM2-ES), Cooler/wetter (CNRM-CM5), Average conditions (CanESM2), Range of different rainfall and temperature possibilities (MIROC5). Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.

6.2. Initial Climate Risk Scores

Climate Hazard	Exposure Score	Sensitivity Score	Adaptive Capacity Score	Vulnerability Score
Temperature and Extreme Heat	3	0	0	N/A
Extreme Precipitation	N/A	N/A	N/A	N/A
Sea Level Rise	N/A	N/A	N/A	N/A
Wildfire	N/A	N/A	N/A	N/A
Flooding	0	0	0	N/A
Drought	0	0	0	N/A
Snowpack Reduction	N/A	N/A	N/A	N/A
Air Quality Degradation	0	0	0	N/A

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

6.3. Adjusted Climate Risk Scores

Climate Hazard	Exposure Score	Sensitivity Score	Adaptive Capacity Score	Vulnerability Score
Temperature and Extreme Heat	3	1	1	3
Extreme Precipitation	N/A	N/A	N/A	N/A
Sea Level Rise	N/A	N/A	N/A	N/A
Wildfire	N/A	N/A	N/A	N/A
Flooding	1	1	1	2
Drought	1	1	1	2

Snowpack Reduction	N/A	N/A	N/A	N/A
Air Quality Degradation	1	1	1	2

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

6.4. Climate Risk Reduction Measures

7. Health and Equity Details

7.1. CalEnviroScreen 4.0 Scores

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

Indicator	Result for Project Census Tract
Exposure Indicators	—
AQ-Ozone	76.9384
AQ-PM	91.5495
AQ-DPM	66.1357
Drinking Water	72.6240
Lead Risk Housing	50.4474
Pesticides	76.6897
Toxic Releases	99.5874
Traffic	62.0250
Effect Indicators	—
CleanUp Sites	19.2236
Groundwater	84.0611
Haz Waste Facilities/Generators	80.1853
Impaired Water Bodies	0.00000
Solid Waste	0.00000

Sensitive Population	—
Asthma	90.7154
Cardio-vascular	99.5638
Low Birth Weights	37.0157
Socioeconomic Factor Indicators	—
Education	85.3202
Housing	51.7744
Linguistic	84.0438
Poverty	81.4950
Unemployment	89.6668

7.2. Healthy Places Index Scores

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

Indicator	Result for Project Census Tract
Economic	—
Above Poverty	8.289490568
Employed	12.39573977
Median HI	17.91351213
Education	—
Bachelor's or higher	9.547029385
High school enrollment	100
Preschool enrollment	10.50943154
Transportation	—
Auto Access	32.77300141
Active commuting	37.02040293
Social	—
2-parent households	28.96188887
Voting	20.15911716

Neighborhood	—
Alcohol availability	63.00526113
Park access	17.52855126
Retail density	26.89593225
Supermarket access	19.196715
Tree canopy	21.76312075
Housing	—
Homeownership	37.48235596
Housing habitability	38.90671115
Low-inc homeowner severe housing cost burden	15.05196972
Low-inc renter severe housing cost burden	71.87219299
Uncrowded housing	22.82817914
Health Outcomes	—
Insured adults	21.95560118
Arthritis	0.0
Asthma ER Admissions	9.9
High Blood Pressure	0.0
Cancer (excluding skin)	0.0
Asthma	0.0
Coronary Heart Disease	0.0
Chronic Obstructive Pulmonary Disease	0.0
Diagnosed Diabetes	0.0
Life Expectancy at Birth	20.5
Cognitively Disabled	38.1
Physically Disabled	78.7
Heart Attack ER Admissions	7.8
Mental Health Not Good	0.0
Chronic Kidney Disease	0.0

Obesity	0.0
Pedestrian Injuries	70.7
Physical Health Not Good	0.0
Stroke	0.0
Health Risk Behaviors	—
Binge Drinking	0.0
Current Smoker	0.0
No Leisure Time for Physical Activity	0.0
Climate Change Exposures	—
Wildfire Risk	0.0
SLR Inundation Area	0.0
Children	3.8
Elderly	90.8
English Speaking	32.2
Foreign-born	58.7
Outdoor Workers	4.0
Climate Change Adaptive Capacity	—
Impervious Surface Cover	70.7
Traffic Density	49.9
Traffic Access	0.0
Other Indices	—
Hardship	80.4
Other Decision Support	—
2016 Voting	8.5

7.3. Overall Health & Equity Scores

Metric	Result for Project Census Tract
CalEnviroScreen 4.0 Score for Project Location (a)	96.0000

Healthy Places Index Score for Project Location (b)	9.00000
Project Located in a Designated Disadvantaged Community (Senate Bill 535)	Yes
Project Located in a Low-Income Community (Assembly Bill 1550)	Yes
Project Located in a Community Air Protection Program Community (Assembly Bill 617)	No

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

7.4. Health & Equity Measures

No Health & Equity Measures selected.

7.5. Evaluation Scorecard

Health & Equity Evaluation Scorecard not completed.

7.6. Health & Equity Custom Measures

No Health & Equity Custom Measures created.

8. User Changes to Default Data

8.1. Justifications

Screen	Justification
Land Use	Project acreage is 5 acres.
Operations: Fleet Mix	Fleet Mix adjusted to match the SJVAPCD Accepted Fleet Mix for Residential Projects Year 2027
Operations: Hearths	No Hearths

8.3. Land Use

Model Parameter	Units	Default Value	New Value
Lot Area	acre	10.7143	5.00000

8.5. Operations

8.5.1. Mobile Sources

8.5.1.2. Fleet Mix

Land Use	Season	Model Parameter	Units	Default Value	New Value
Single Family Housing	A	Heavy-Heavy-Duty Trucks	%	3%	2%
Single Family Housing	A	Passenger Cars	%	45%	52%
Single Family Housing	A	Light-Duty Trucks 1	%	4%	22%
Single Family Housing	A	Light-Duty Trucks 2	%	21%	17%
Single Family Housing	A	Light Heavy-Duty Trucks 1	%	4%	< 0.5%
Single Family Housing	A	Light Heavy-Duty Trucks 2	%	1%	< 0.5%
Single Family Housing	A	Motorcycles	%	2%	< 0.5%
Single Family Housing	A	Medium-Duty Trucks	%	18%	6%
Single Family Housing	A	Motor Homes	%	< 0.5%	< 0.5%
Single Family Housing	A	Medium-Heavy-Duty Trucks	%	1%	1%
Single Family Housing	A	Other Buses	%	< 0.5%	0%
Single Family Housing	A	School Buses	%	< 0.5%	< 0.5%
Single Family Housing	A	Urban Buses	%	< 0.5%	< 0.5%
Single Family Housing	S	Heavy-Heavy-Duty Trucks	%	3%	2%
Single Family Housing	S	Passenger Cars	%	45%	52%
Single Family Housing	S	Light-Duty Trucks 1	%	4%	22%
Single Family Housing	S	Light-Duty Trucks 2	%	21%	17%
Single Family Housing	S	Light Heavy-Duty Trucks 1	%	4%	< 0.5%
Single Family Housing	S	Light Heavy-Duty Trucks 2	%	1%	< 0.5%
Single Family Housing	S	Motorcycles	%	2%	< 0.5%
Single Family Housing	S	Medium-Duty Trucks	%	18%	6%
Single Family Housing	S	Motor Homes	%	< 0.5%	< 0.5%
Single Family Housing	S	Medium-Heavy-Duty Trucks	%	1%	1%
Single Family Housing	S	Other Buses	%	< 0.5%	0%

Single Family Housing	S	School Buses	%	< 0.5%	< 0.5%
Single Family Housing	S	Urban Buses	%	< 0.5%	< 0.5%
Single Family Housing	W	Heavy-Heavy-Duty Trucks	%	3%	2%
Single Family Housing	W	Passenger Cars	%	45%	52%
Single Family Housing	W	Light-Duty Trucks 1	%	4%	22%
Single Family Housing	W	Light-Duty Trucks 2	%	21%	17%
Single Family Housing	W	Light Heavy-Duty Trucks 1	%	4%	< 0.5%
Single Family Housing	W	Light Heavy-Duty Trucks 2	%	1%	< 0.5%
Single Family Housing	W	Motorcycles	%	2%	< 0.5%
Single Family Housing	W	Medium-Duty Trucks	%	18%	6%
Single Family Housing	W	Motor Homes	%	< 0.5%	< 0.5%
Single Family Housing	W	Medium-Heavy-Duty Trucks	%	1%	1%
Single Family Housing	W	Other Buses	%	< 0.5%	0%
Single Family Housing	W	School Buses	%	< 0.5%	< 0.5%
Single Family Housing	W	Urban Buses	%	< 0.5%	< 0.5%

8.5.2. Area Sources

8.5.2.1. Hearths

Land Use	Model Parameter	Units	Default Value	New Value
Single Family Housing	Gas Fireplaces	—	17	0
Single Family Housing	No Fireplaces	—	17	33
Single Family Housing	Wood Mass	lb/year	3,078	0
Single Family Housing	Catalytic Wood Stoves	—	2	0
Single Family Housing	Non-Catalytic Wood Stoves	—	2	0
Single Family Housing	Wood Mass	lb/year	3,019	0

APPENDIX B

HEALTH RISK ASSESSMENT MODELING FILES

Available under Separate Cover Upon Request

APPENDIX B
CULTURAL RESOURCES TECHNICAL MEMORANDUM

5080 California Avenue, Suite 220 | Bakersfield, CA 93309 | (661) 616-2600

Date: April 8, 2026

Project: Cultural resources records search- **TSM 2025-05**

To: Jaymie Brauer, Principal Planner

From: Robert Parr, MS, RPA, Senior Archaeologist

Subject: Cultural Resources Technical Memorandum (#26-169)

Background

A cultural resource records search (#26-169) was conducted at the Southern San Joaquin Valley Information Center (IC) at California State University, Bakersfield for the Vesting Tentative Subdivision Map No. 25-160 Project in the city of Madera, Madera County, California. The purpose of the search was to determine whether any known cultural resources were located on or near the proposed project that might be impacted by project development and/or activities.

Project Location

The Project site is located in southeast City of Madera (City), bounded by Pecan Avenue / Avenue 13 to the south and Apricot Lane to the west and is a quarter mile west of State Route 99. The Project site consists of approximately five acres of Assessor's Parcel Number (APN) 012-500-013. The Project is within Section 30, Township 11S, Range 18E, Mount Diablo Base and Meridian (MDB&M), of the Madera U.S. Geological Survey (USGS) Quad Map. The surrounding land uses are generally agricultural land to the north, rural residential to the east and west and Parkwood Elementary School and medium density residential subdivisions to the south.

Project Description

Vesting Tentative Subdivision Map No. 25-160 will subdivide the subject property into a 33-lot medium density single-family residential subdivision. On- and off-site improvements include circulation roads, interior local streets, curb, gutter, sidewalk, open space, and landscaping. Lot sizes range from approximately 3,400 square feet to 6,500 square feet. The site is located in southeast City of Madera (City), bounded by north of Pecan Avenue / Avenue 13 and Apricot Lane to the west and is a quarter mile west of State Route 99. The Project proponent is requesting approval of the following land use entitlements:

1) General Plan Amendment from Very Low Density Residential land use designation to a Medium Density Residential designation; 2) Zone Change from Residential Area to Planned Development to reduce density requirements; 3) Vesting Tentative Subdivision Map approval.

All development will occur on previously disturbed land. Construction will take 12-18 months for full buildout.

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 cultural resource reports on file.

The records search indicated that the project had never been surveyed for cultural resources, and it is not known if any exist on it. Seven cultural resource studies have been conducted within a half mile of the project (Varner 1975; Crist 1981; Hatoff et al. 1995; SWCA Environmental Consultants 2000; Kelley and Kaptain 2001; Kelley and Marvin 2001; Marvin 2001; Kaptain and Matzen 2005; Arrington et al. 2006; Hernandez 2017; Valentin 2017a, 2017b).

Three cultural resources have been identified and recorded within half a mile of the project. These include the remains of an historic-era residence (IC primary no. P-20-002496), a residence and farm (P-20-002495), and a segment of the Madera Irrigation Canal (P-20-002308). The project will not impact any of these known resources.

A Sacred Lands File request was also submitted to the Native American Heritage Commission (NAHC). A response dated March 27, 2026, indicates *negative* results (see Attachment B).

Conclusions

Based on the results of cultural records search findings and the lack of significant historical or archaeological resources previously identified within a half mile radius of the proposed Project, the potential to encounter subsurface cultural resources is minimal. 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 within 50 feet of the find shall halt until a qualified professional archaeologist, meeting the Secretary of the Interior's Professional Qualification Standards for prehistoric and historic archaeologists, can evaluate the significance of 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 professional 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.

If a potentially eligible resource is encountered, then the qualified professional archaeologist, the Lead Agency shall arrange for either, (1) total avoidance of the resource or (2) test excavations to evaluate eligibility and, if eligible, total data recovery. The determination shall be formally documented in writing and submitted to the Lead Agency as verification that the provisions for managing unanticipated discoveries have been met.

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 Madera County Coroner. All reports, correspondence, and determinations regarding the discovery of human remains on the Project site shall be submitted to the City of Madera.

According to the California Health and Safety Code, six or more human burials at one location constitute a cemetery (Section 8100), and willful disturbance of human remains is a felony (Section 7052).

Any prehistoric archaeological artifacts recovered as a result of mitigation shall be provided to a City-approved institution or person who is capable of providing long-term preservation to allow future scientific study.



Robert E. Parr, MS, RPA
Senior Archaeologist

Attachment A- Figures
Attachment B- NAHC Response Letter

References

(Note: Alpha-numeric designation in parentheses following citation refers to IC report reference number)

Arrington, Cindy, Bryon Bass, Joan Brown, Chris Corey and Kevin Hunt
2006 Cultural Resources Final Report of Monitoring and Findings for the Qwest Network Construction Project, State of California. SWCA Environmental Consultants (MA-01026)

Crist, Michael K.
1981 Cultural Resource Reconnaissance for the Sayre Ranch Annexation EIR, Madera County. Buada Associates (MA-00214)

Hatoff, Brian, Barb Voss, Sharon Waechter, Stephen Wee, and Vance Bente
1995 Cultural Resources Inventory for the Proposed Mojave Northward Expansion Project. Woodward-Clyde Consultants (MA-00083)

Hernandez, Hansel
2017 Historic Resources Evaluation Report for the Madera 145 ADA Ramps Project Madera County, California. JRP Historical Consulting (MA-01259B)

Kaptain, Neal and Ben Matzen
2005 A Cultural and Paleontological Resources Study for Eight KB Home Projects, Stanislaus, Merced, Madera, and Tulare Counties, California. LSA Associates (MA-01003)

Kelley, John and Neal Kaptain
2001 Archaeological Survey Report (Positive) for the State Route 145, and State Route 99/Gateway Drive Interchange Improvements, City of Madera, Madera County, California. LSA Associates, Inc. (MA-00956B)

Kelley, John and Judith Marvin
2001 Historic Property Survey Report (Positive) for the State Route 99/State Route 145 and State Route 99/Gateway Drive Interchange Improvements. LSA Associates, Inc. (MA-00956)

Marvin, Judith
2001 Historic Studt Report and Historic Architectural Survey Report (Positive) for the State Route 99/State Route 145, and State Route 99/Gateway Drive Interchange Improvements, City of Madera, Madera County, California. LSA Associates, Inc. (MA-00956A)

SWCA Environmental Consultants
2000 Qwest Fiber Optic Project Cultural Resources Protocols. SWCA Environmental Consultants (MA-01026A)

Valentin, Sylvere
2017a Historic Property Survey Report for the Madera 145 ADA Ramps Project, Madera County, California. Caltrans (MA-01259)

2017b Archaeological Survey Report for the Install and Upgrade Americans with Disabilities Act (ADA) Ramps Project, Madera County, California. Caltrans (MA-01259A)

Varner, Dudley M.
1975 Parksdale Sewer System Project. California State University, Fresno (MA-00391)

5080 California Avenue, Suite 220 | Bakersfield, CA 93309 | (661) 616-2600

Attachment A - Figures

5080 California Avenue, Suite 220 | Bakersfield, CA 93309 | (661) 616-2600

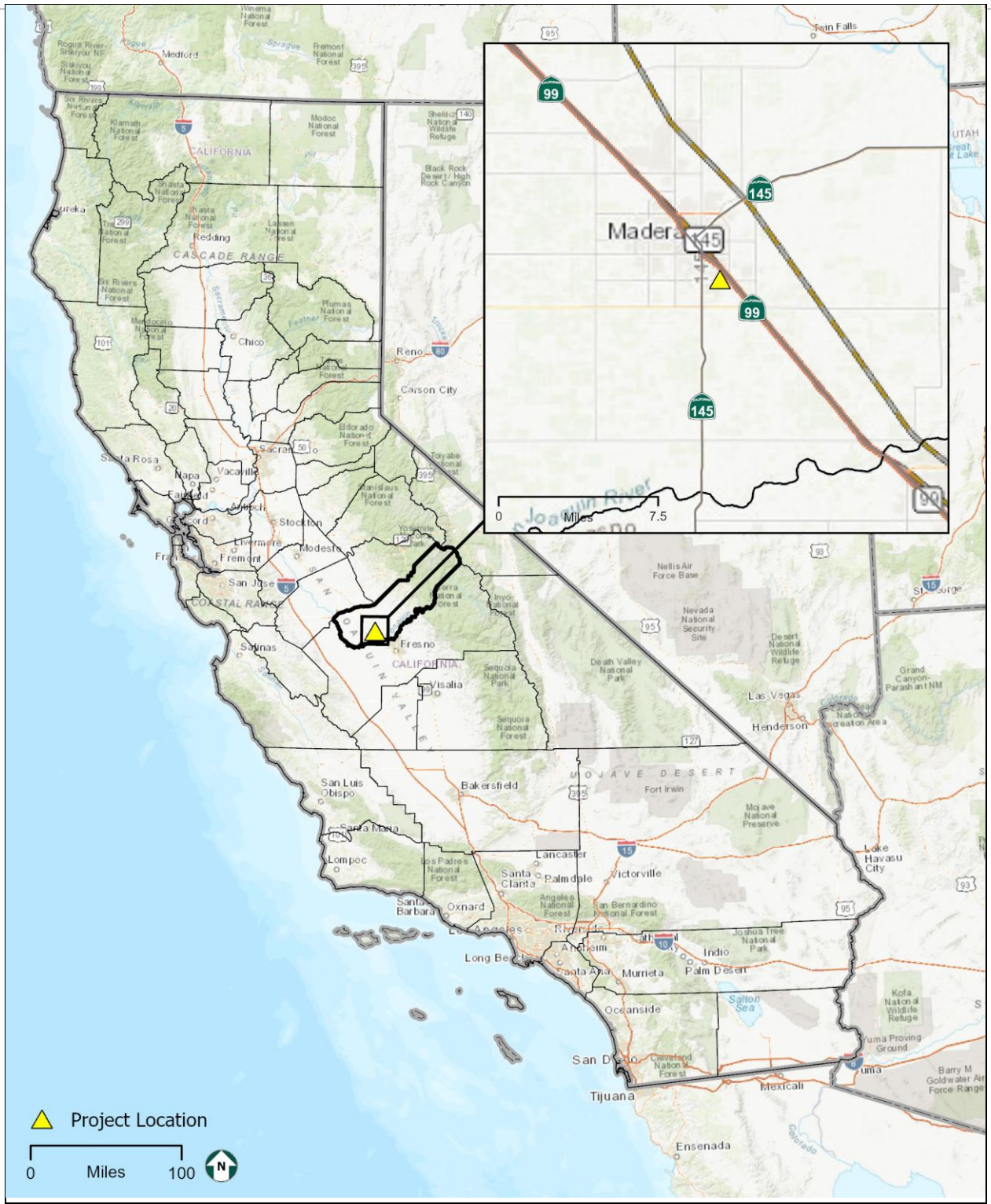


Figure -1
Regional Location



Figure-2 Project Location

5080 California Avenue, Suite 220 | Bakersfield, CA 93309 | (661) 616-2600

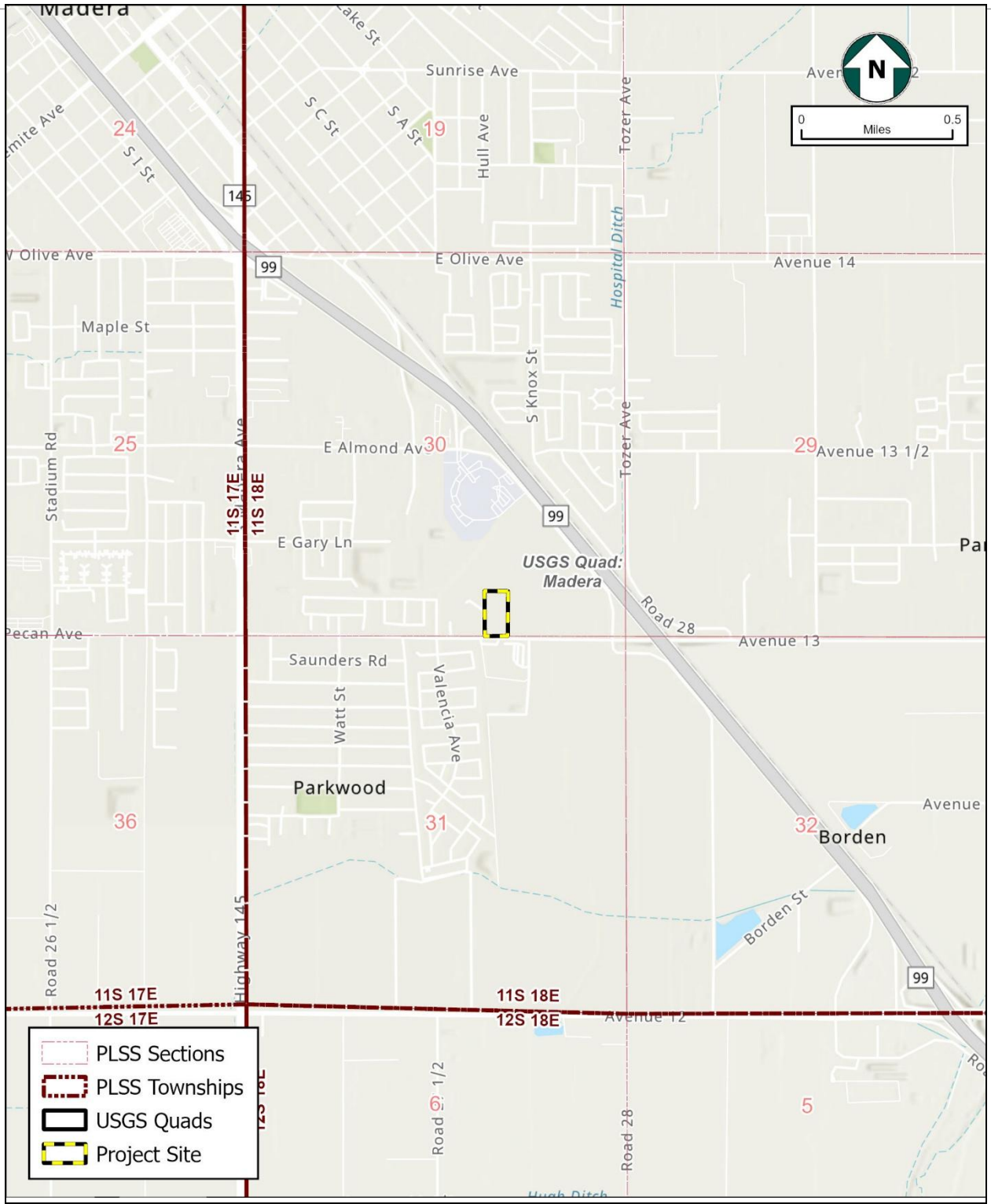


Figure - 3
Public Land Survey System (PLSS)

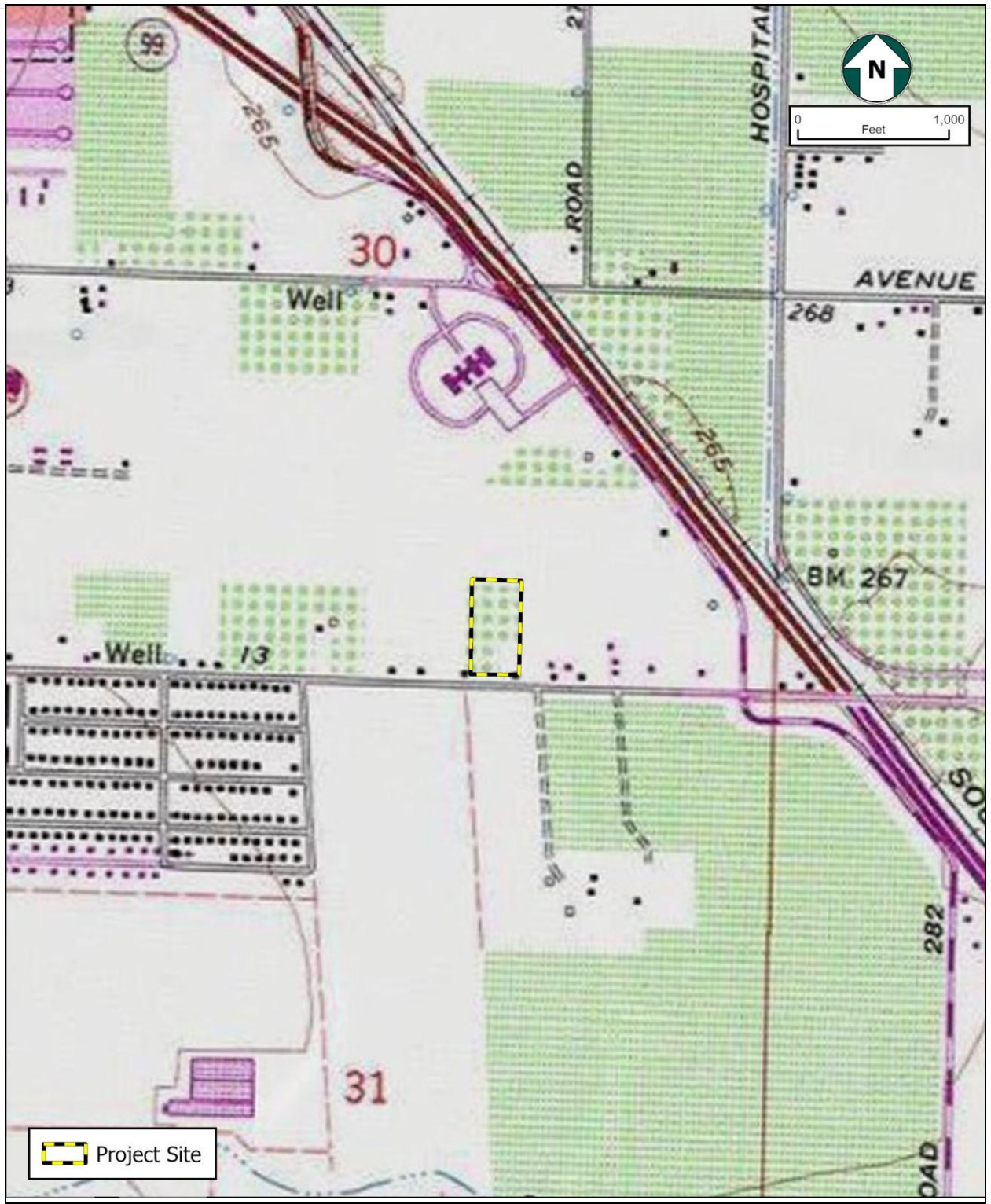


Figure -4
Topographic

5080 California Avenue, Suite 220 | Bakersfield, CA 93309 | (661) 616-2600

Attachment B -
NAHC Response Letter

NATIVE AMERICAN HERITAGE COMMISSION

CHAIRPERSON
Reginald Pagaling
Chumash

VICE-CHAIRPERSON
Buffy McQuillen
Yokayo Pomo, Yuki, Nomlaki

SECRETARY
Isaac Bojorquez
Ohlone-Costanoan

PARLIAMENTARIAN
Wayne Nelson
Luiseño

COMMISSIONER
Sara Dutschke
Miwok

COMMISSIONER
Stanley Rodriguez
Kumeyaay

COMMISSIONER
Bennae Calac
Pauma-Yuima Band of Luiseño Indians

COMMISSIONER
Vacant

COMMISSIONER
Vacant

EXECUTIVE SECRETARY
Andrew Alejandre
Paskenta Band of Nomlaki Indians

NAHC HEADQUARTERS
1550 Harbor Boulevard
Suite 100
West Sacramento,
California 95691
(916) 373-3710
nahc@nahc.ca.gov

March 27, 2026

Jaymie L. Brauer
QK Inc.

Via Email to: jaymie.brauer@qkinc.com

Re: Tribal Consultation Under CEQA, Vesting Tentative Subdivision Map No. 25-160 (260017) Project, Madera County

To Whom It May Concern:

Pursuant to your request, attached is a consultation list of tribes that are traditionally and culturally affiliated with the geographic area of the above-listed project. Additionally, a search of the Native American Heritage Commission (NAHC) Sacred Lands File (SLF) was completed based on the information submitted for the above referenced project. The results were negative. Be aware that tribes do not always record their sacred sites in the SLF, nor are they required to do so. As such, an SLF search is not a substitute for consultation with all tribes that are traditionally and culturally affiliated with a project's geographic area. Please contact all of the listed tribes as they may have information about sacred sites within the project area that is not listed with the NAHC.

Additionally, the NAHC recommends that agencies include with their notification letters, information regarding any cultural resources assessment that has been completed on the Area of Potential Effect (APE), such as:

1. The results of any record search that may have been conducted at an Information Center of the California Historical Resources Information System (CHRIS), including, but not limited to:

- A listing of any and all known cultural resources that have already been recorded on or adjacent to the APE, such as known archaeological sites;
- Copies of any and all cultural resource records and study reports that may have been provided by the Information Center as part of the records search response;
- Whether the records search indicates a low, moderate, or high probability that unrecorded cultural resources are located in the APE; and
- If a survey is recommended by the Information Center to determine whether previously unrecorded cultural resources are present.

2. The results of any archaeological inventory survey that was conducted, including:

- Any report that may contain site forms, site significance, and suggested mitigation measures.

All information regarding site locations, Native American human remains, and associated funerary objects should be in a separate confidential addendum, and not be made available for public disclosure in accordance with Government Code section 6254.10.

3. The result of the Sacred Lands File check conducted through the Native American Heritage Commission.

4. Any ethnographic studies conducted for any area including all or part of the APE; and

5. Any geotechnical reports regarding all or part of the APE.

Lead agencies should be aware that records maintained by the NAHC and CHRIS are not exhaustive and a negative response to these searches does not preclude the existence of a tribal cultural resource. A tribe may be the only source of information regarding the existence of a tribal cultural resource, which is why consultation is vital.

This information will aid tribes in determining whether to request formal consultation. If consultation is requested, having the information beforehand will help to facilitate the process.

If you receive notification of a change of address or phone number from a tribe, please inform 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: Mathew.Lin@nahc.ca.gov

Sincerely,

Mathew Lin

Mathew Lin, MPP
Cultural Resources Analyst

Attachment

APPENDIX C
PHASE 1 – ENVIRONMENTAL SITE ASSESSMENT

Prepared For

JOSEPH CROWN CONSTRUCTION
5320 EAST PINE AVENUE
FRESNO, CALIFORNIA 93737

PHASE I ENVIRONMENTAL SITE ASSESSMENT REPORT

SUBDIVISION AT AVENUE 13 AND HWY 99 1171 EAST PECAN AVENUE MADERA, CALIFORNIA

Date Issued: April 6, 2026
Project Number 026018P

Prepared By

SEE'S CONSULTING & TESTING, INC.
4644 E. CARMEN AVENUE
FRESNO, CALIFORNIA 93703
TEL (559) 452-0100 FAX (559) 452-0400

TABLE OF CONTENTS

EXECUTIVE SUMMARY **4**

1.0 INTRODUCTION **7**

1.1 Purpose 7
1.2 Detailed Scope of Services 7
1.3 Significant Assumptions 8
1.4 Limitations and Exceptions 8
1.5 Special Terms and Conditions 8
1.6 Use Reliance 8

2.0 SITE DESCRIPTION **9**

2.1 Location and Legal Description 9
2.2 Site and Vicinity General Characteristics 9
2.3 Current Use of the Subject Property 9
2.4 Description of Site Improvements 9
2.5 Current Use of Adjoining Properties 9

3.0 USER PROVIDED INFORMATION **10**

3.1 Title Records 10
3.2 Environmental Liens or Activity and Use Limitation 10
3.3 Specialized Knowledge 10
3.4 Commonly Known or Reasonably Ascertainable Information 10
3.5 Valuation Reduction for Environmental Issues 10
3.6 Owner, Property Manager, and Occupant Information 10
3.7 Reason for Performing Phase I ESA 11

4.0 RECORDS REVIEW **12**

4.1 Standard Environmental Record Sources 12
4.2 Additional Environmental Record Sources 13
4.3 Physical Setting Sources 14
4.3.1 Topography 14
4.3.2 Soils/Geology 14
4.3.3 Hydrology 14
4.3.4 Flood Zone Information 15
4.3.5 Oil and Gas Exploration 15
4.3.6 Vapor Encroachment 15
4.4 Historical Use Information: Subject Property and Adjoining Properties 15
4.4.1 Aerial Photographs 15
4.4.2 Fire Insurance Maps 17
4.4.3 City Directories 17
4.4.4 Historical Topographic Maps 18
4.4.5 Additional Historical Record Sources 18
4.4.6 Prior Assessment Reports 18

5.0 SITE RECONNAISSANCE **19**

5.1 Methodology and Limiting Conditions 19
5.2 General Site Setting 19
5.3 Exterior Observations 19
5.3.1 Solid Waste Disposal 19
5.3.2 Surface Water Drainage 19

5.3.3 Wells and Cisterns 19
5.3.4 Wastewater 19
5.3.5 Additional Site Observations 19
5.4 Interior Observations 19
The Subject Property did not include buildings or structures. 19
5.5 Potential Environmental Conditions 19
5.5.1 Hazardous Substances and Petroleum Products Used or Stored at the Site 19
5.5.2 Evidence of Releases 20
5.5.3 Polychlorinated Biphenyls (PCBs) 20
5.5.4 Landfills 20
5.5.5 Pits, Ponds, Lagoons, Sumps, and Catch Basins 20
5.5.6 On-Site ASTs and USTs 20
5.5.7 Radiological Hazards 21
5.5.8 Drinking Water 21
5.5.9 Additional Hazard Observations 21
5.5.10 Asbestos-Containing Materials (ACM) 21
5.5.11 Radon 21
5.5.12 Lead-Based Paint 21
5.5.13 Mold Evaluation 21
6.0 INTERVIEWS 22
6.1 Interview with Owner 22
6.2 Interview with Site Manager 22
6.3 Interview with Occupants 22
6.4 Interview with Local Government Officials 22
6.5 Interview with Others 22
7.0 FINDINGS AND CONCLUSIONS 23
7.1 Findings 23
7.1.1 On-Site Environmental Conditions 23
7.1.2 Off-Site Environmental Conditions 23
7.1.3 Controlled Recognized Environmental Conditions 23
7.1.4 Historical Recognized Environmental Conditions 23
7.1.5 De Minimis Environmental Conditions 23
7.2 Opinion 23
7.3 Conclusions 23
7.4 Recommendations 24
7.5 Deviations 24
8.0 REFERENCES 25
9.0 SIGNATURES OF ENVIRONMENTAL PROFESSIONALS 26
10.0 QUALIFICATIONS OF ENVIRONMENTAL PROFESSIONALS 27
10.1 Definition of an Environmental Professional 27
10.2 Relevant Experience 27

FIGURES

Figure 1 Site Location Map
Figure 2 Site Plan
Figure 3 Topographic Map

APPENDIX

Appendix A Site Photographs
Appendix B Historical Research Documentation
Exhibit B-1 Aerial Photographs
Appendix C Regulatory Records Documentation
Exhibit C-1 Mapped Database Report
Exhibit C-2 General Public Records
Appendix D Interview Records
Appendix E Client-Provided Documentation
Appendix F Other Supporting Documentation
Appendix G Qualifications Of Envionmental Professionals

EXECUTIVE SUMMARY

See's Consulting & Testing, Inc. (SEE's) has performed a Phase I Environmental Site Assessment (ESA) in general accordance with the scope of work and limitations set forth by Joseph Crown Construction for the property located at 1171 East Pecan Avenue, Madera, California (the "Subject Property").

The Phase I Environmental Site Assessment is designed to provide Joseph Crown Construction with an assessment concerning environmental conditions (limited to those issues identified in the report) as they exist at the Subject Property. This assessment was conducted utilizing generally accepted ESA industry standards in accordance with ASTM E1527-21, Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process and the Environmental Protection Agency Standards and Practices for All Appropriate Inquiries (40 CFR Part 312).

The Subject Property consists of one rectangular-shaped parcel of land approximately 4.56± acres in size located on the north side of East Pecan Avenue approximately 0.39± miles west of State Route 99 in Madera, California. The Subject Property is identified as Madera County Recorder's Office assessor's parcel number (APN) 012-500-13.

The Subject Property includes vacant land on the north, central and southwest areas of the site and residential improvements on the southeastern portion of the site. Subject Property improvements on the southeast portion of the site include a single-story residence, detached two-car garage, a shop building, a shade structure, and what appeared to be a chicken coop. The Subject Property also includes one domestic water well located northwest of the residence. The residential improvements were not occupied at the time of the March 31, 2026, site visit.

Based on available historical documentation, the Subject Property consisted of agricultural land with a single-family residence and associated outbuildings from at least 1946 up to 2010 and fallow agricultural land with a single-family residence and associated outbuildings since 2012.

The Subject Property is situated within a partially developed residential area of Madera, California. The Subject Property is bound to the north by vacant land; to the east by a residence, barn, and vacant land; to the south by East Pecan Avenue followed by an elementary school; and to the west by Apricot Lane followed by three residences and associated outbuildings.

According to Geotracker leaking underground fuel tank (LUFT) database available via the California Regional Water Quality Control Board, Central Valley Region (RWQCB) Internet Website, groundwater in the area approximately one mile north northeast of the Subject Property was at a depth of approximately 125 feet below ground surface and direction of flow was north northeast in 2025.

SEE's obtained and reviewed a database report from Environmental Risk Information Services (ERIS) for the Subject Property and the surrounding area. The Subject Property was not identified in the database. The ERIS database identified off-site facilities as one RCRA SQG, one RCRA NON GEN, three ENVIROSTOR, one LUST, three HHSS, one UST SWEEPS, one AST, one CERS TANK, three HIST TANK, one CUPA MADERA, three PFAS SAMPLING, three PFAS GW, two PFAS INVEST, one SCH, and one EMISSIONS located within the prescribed search radii. Based on review of regulatory documentation, off-site location, and/or estimated direction of groundwater flow, these facilities do not represent a recognized environmental condition.

Conclusions

SEE's has performed a Phase I Environmental Site Assessment in conformance with the scope and limitations of ASTM Practice E1527-21 of the property located at 1171 East Pecan Avenue, Madera, California, the Subject Property. Any exceptions to or deletions from this practice are described in Section 1.4 of this report.

Recognized Environmental Conditions (RECs) are defined by the ASTM Standard Practice E1527-21 as: (1) the presence of hazardous substances or petroleum products in, on, or at the subject property due to a release to the environment; (2) the likely presence of hazardous substances or petroleum products in, on, or at the subject property due to a release or likely release to the environment; or (3) the presence of hazardous substances or petroleum products in, on, or at the subject property under conditions that pose a material threat of a future release to the environment. SEE's assessment has revealed the following RECs associated with the Subject Property or nearby properties:

- No on-site RECs were identified during the course of this assessment.

Controlled Recognized Environmental Conditions (CRECs) are defined by the ASTM Standard Practice E1527-21 as a recognized environmental condition affecting the subject property that has been addressed to the satisfaction of the applicable regulatory authority or authorities with hazardous substances or petroleum products allowed to remain in place subject to implementation of required controls (for example, activity and use limitations or other property use limitations). SEE's assessment has revealed the following CRECs associated with the Subject Property or nearby properties:

- No on-site CRECs were identified during the course of this assessment.

Historical Recognized Environmental Condition (HREC) is defined by the ASTM Standard Practice E1527-21 as a previous release of hazardous substances or petroleum products affecting the subject property that has been addressed to the satisfaction of the applicable regulatory authority or authorities and meeting unrestricted use criteria established by the applicable regulatory authority or authorities without subjecting the subject property to any controls (for example, activity and use limitations or other property use limitations). SEE's assessment has revealed the following HRECs associated with the Subject Property or nearby properties:

- No on-site HRECs were identified during the course of this assessment.

Business Environmental Risk (BER) is defined by the ASTM Standard Practice E1527-21 as a risk which can have a material environmental or environmentally-driven impact on the business associated with the current or planned use of commercial real estate, not necessarily related to those environmental issues required to be investigated in this practice. BERs do not qualify as recognized environmental conditions, as defined by the ASTM Standard Practice E1527-21. SEE's investigation has revealed the following BERs associated with the Subject Property or nearby properties:

- The Subject Property was historically and is currently used for agricultural purposes. There is a potential that agricultural related chemicals such as pesticides, herbicides, and fertilizers, may be present in on-site soils. Based on SEE's experience, during previous site development activities, near surface soils (where residual agricultural chemical concentrations would have most likely been present, if at all) are likely generally mixed with fill material or disturbed during grading. Also, it is common that engineered fill material is placed over underlying soils as part of site development activities. These additional variables serve to further reduce the potential for exposure to residual agricultural chemicals (if any). Based on these reasons, SEE's concludes that the possible use of agricultural chemicals is not expected to represent a significant environmental concern.

- The Subject Property included one domestic water well.
- The on-site residence is reportedly connected to the municipal sanitary sewer system for sewage waste disposal. The date of connection to the municipal sanitary sewer system was not identified. The residence appears to have been on the Subject Property since at least 1946 and either replaced or expanded by 1962. Based on remoteness of the Subject Property in the early history of on-site residential use, the residence may have included the use of a septic system at one time. If a septic system is discovered during redevelopment activities, the system should be properly destroyed in accordance with State and local guidelines.

Non-ASTM Considerations may include the presence of environmental conditions such as asbestos containing materials, lead-based paint, radon, mold, lead in drinking water, etc. which can affect the liabilities and financial obligations of the client, the health & safety of site occupants, and the value and marketability of the subject property. SEE's assessment has revealed the following Non-ASTM considerations associated with the Subject Property:

- Due to the age of the Subject Property buildings, there is a potential that asbestos containing materials may be present.
- Due to the age of the Subject Property buildings, there is a potential that lead-based paint may be present.

Recommendations

As a result of this assessment, SEE's recommends the following:

- Based on planned redevelopment for residential use, it should be determined whether sampling relating to the former agricultural use is required by the local planning department or other applicable oversight agency.
- If the on-site domestic water well is not to be used, it should be properly destroyed in accordance with State and local guidelines.
- Prior to demolition activities, an asbestos survey and lead-based paint assessment of the on-site buildings should be conducted.

1.0 INTRODUCTION

SEE's was retained by Joseph Crown Construction to conduct a Phase I Environmental Site Assessment (ESA) of the property located at 1171 East Pecan Avenue, Madera, California (Subject Property). The protocol used for this assessment is in general conformance with ASTM E1527-21, Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process and the Environmental Protection Agency Standards and Practices for All Appropriate Inquiries (40 CFR Part 312).

On March 31, 2026, SEE's conducted a site reconnaissance to assess the possible presence of petroleum products and hazardous substances at the Subject Property. SEE's investigation included a review of aerial photographs, a reconnaissance of adjacent properties, background research, and a review of available local, state, and federal regulatory records regarding the presence of petroleum products and/or hazardous substances at the Subject Property.

SEE's contracted ERIS, to perform a computer database search for local, state, and Federal regulatory records pertaining to environmental concerns for the Subject Property and properties in the vicinity of the Subject Property (see Section 3.0).

1.1 Purpose

The purpose of this Phase I Environmental Site Assessment (ESA) was to identify Recognized Environmental Conditions (as defined by ASTM Standard E-1527-21) in connection with the Subject Property.

1.2 Detailed Scope of Services

The purpose of the Phase I Environmental Site Assessment is to assist the client in identifying potential environmental liabilities associated with the presence of any hazardous substances or petroleum products, their use, storage, and disposal at and in the vicinity of the subject property that may have occurred at the subject property. Property assessment activities focused on: 1) a review of federal, state, tribal and local databases that identify and describe underground fuel tank sites, leaking underground fuel tank sites, hazardous waste generation sites, and hazardous waste storage and disposal facility sites within the ASTM approximate minimum search distance; 2) a property and surrounding site reconnaissance, and interviews with the past and present owners and current occupants and operators to identify potential environmental contamination; and 3) a review of historical sources to help ascertain previous land use at the site and in the surrounding area.

The goal of SEE's in conducting the Phase I Environmental Site Assessment was to identify *(1)* the presence of *hazardous sub- stances* or *petroleum products* in, on, or at the *subject property* due to a *release* to the *environment; (2)* the likely presence of *hazardous substances* or *petroleum products* in, on, or at the *subject property* due to a *release* or likely *release* to the *environment;* or *(3)* the presence of *hazardous substances* or *petroleum products* in, on, or at the *subject property* under conditions that pose a *material threat* of a future *release* to the *environment*.

No other warranties are implied or expressed.

1.3 Significant Assumptions

There is a possibility that even with the proper application of these methodologies there may exist on the Subject Property conditions that could not be identified within the scope of the assessment or which were not reasonably identifiable from the available information. SEE's believes that the information obtained from the record review and the interviews concerning the site is reliable. However, SEE's cannot and does not warrant or guarantee that the information provided by these other sources is accurate or complete. The methodologies of this assessment are not intended to produce all inclusive or comprehensive results, but rather to provide Joseph Crown Construction with information relating to the Subject Property.

1.4 Limitations and Exceptions

- A Phase I ESA interview with the previous owner of the Subject Property was not reasonably ascertainable. Consequently, information regarding the history and historical uses of the Subject Property obtained from an interview of the previous owner constitutes a data gap. Taken in consideration with the available information obtained in the course of preparing this report in conjunction with professional experience, there is no evidence to suggest that this data gap might alter the conclusions of this assessment.

- SEE's was not able to document the historical use of the property prior to 1946, since aerial photographs were not reasonably ascertainable from local agencies and other historical sources were not available. In our professional opinion, data failure, as defined in the ASTM guidelines, has occurred in attempting to document the history of the Subject Property back to 1940 or the first developed usage of the Subject Property. Since the Subject Property appears to have been in use as agricultural land with a residence and one outbuilding in the 1946 aerial photograph, this data failure is not critical and does not alter the conclusions or recommendations of this assessment.

1.5 Special Terms and Conditions

The conclusions and findings set forth in this report are strictly limited in time and scope to the date of the evaluations. The conclusions presented in the report are based solely on the services described therein, and not on scientific tasks or procedures beyond the scope of agreed-upon services or the time and budgeting restraints imposed by the client. No subsurface exploratory drilling or sampling was done under the scope of this work. Unless specifically stated otherwise in the report, no chemical analyses have been performed during the course of this ESA.

Some of the information provided in this report is based upon personal interviews, and research of available documents, records, and maps held by the appropriate government and private agencies. This is subject to the limitations of historical documentation, availability, and accuracy of pertinent records, and the personal recollections of those persons contacted.

1.6 Use Reliance

All reports, both verbal and written, are for the benefit of Joseph Crown Construction. This report has no other purpose and may not be relied upon by any other person or entity without the written consent of SEE's.

2.0 SITE DESCRIPTION

2.1 Location and Legal Description

The Subject Property is located on the north side of East Pecan Avenue approximately 0.39± miles west of State Route 99 in Madera, California. The Subject Property is identified as Madera County Recorder's Office assessor's parcel number (APN) 012-500-13.

2.2 Site and Vicinity General Characteristics

The Subject Property is located within a partially developed residential area of Madera, California.

2.3 Current Use of the Subject Property

The residential improvements were not occupied at the time of the March 31, 2026, site visit.

2.4 Description of Site Improvements

The Subject Property consists of one rectangular-shaped parcel of land approximately 4.56± acres in size. The Subject Property includes vacant land on the north, central and southwest areas of the site and residential improvements on the southeastern portion of the site. Subject Property improvements on the southeast portion of the site include a single-story residence, detached two-car garage, a shop building, a shade structure, and what appeared to be a chicken coop. The Subject Property also includes one domestic water well located northwest of the residence..

2.5 Current Use of Adjoining Properties

During the vicinity reconnaissance, SEE's observed the following land use on properties in the immediate vicinity of the Subject Property.

North: Vacant land

East: Residence, barn, and vacant land

South: East Pecan Avenue followed by an elementary school

West: Apricot Lane followed by three residences and associated outbuildings

3.0 USER PROVIDED INFORMATION

Pursuant to ASTM E1527-21, SEE's requested the following site information from Joseph Crown Construction (User of this report).

3.1 Title Records

SEE's requested title records from the User; however, a 50-year chain of title was not available at the Subject Property and was not provided for review.

3.2 Environmental Liens or Activity and Use Limitation

SEE's requested information from the User regarding knowledge of environmental liens, activity and use limitations for the Subject Property. The User had no knowledge of any environmental liens or use or activity limitations.

3.3 Specialized Knowledge

SEE's inquired with the User regarding any specialized knowledge of environmental conditions associated with the Subject Property. The User was not aware of any environmental conditions associated with the Subject Property.

3.4 Commonly Known or Reasonably Ascertainable Information

SEE's inquired with the User regarding any commonly known or *reasonably ascertainable* information within the local community about the Subject Property that is material to *recognized environmental conditions* in connection with the Subject Property. The User had no reasonably ascertainable information within the local community about the Subject Property that is material to recognized environmental conditions in connection with the Subject Property.

3.5 Valuation Reduction for Environmental Issues

SEE's inquired with the User regarding any knowledge of reductions in property value due to environmental issues. The User was not aware of any valuation reductions associated with the Subject Property.

3.6 Owner, Property Manager, and Occupant Information

The following information regarding the Owner, Subject Property Manager and Occupants was provided by the User and Key Site Manager.

Subject Property Owner:	Joseph Donald Crown
Subject Property Manager:	Mr. Joseph Crown
Occupants:	Unoccpuied

3.7 Reason for Performing Phase I ESA

The purpose of this ESA was to identify existing or potential Recognized Environmental Conditions (as defined by ASTM Standard E-1527-21) in connection with the Subject Property. This ESA was also performed to permit the *User* to satisfy one of the requirements to qualify for the *innocent landowner*, *contiguous property owner*, or *bona fide prospective purchaser* limitations on scope of Comprehensive Environmental Response, Compensation and Liability Act (CERCLA) (42 U.S.C. §9601) liability (hereinafter, the "*landowner liability protections*," or "*LLPs*"). ASTM Standard E-1527-21 constitutes "*all appropriate inquiry* into the previous ownership and uses of the *property* consistent with good commercial or customary practice" as defined at 42 U.S.C. §9601(35)(B).

4.0 RECORDS REVIEW

4.1 Standard Environmental Record Sources

Information from standard Federal and state environmental record sources was provided through ERIS. Data from governmental agency lists are updated and integrated into one database, which is updated as these data are released. This integrated database also contains postal service data in order to enhance address matching. Records from one government source are compared to records from another to clarify any address ambiguities. The demographic and geographic information available provides assistance in identifying and managing risk. The accuracy of the geocoded locations is approximately +/-300 feet.

In some cases, location information supplied by the regulatory agencies is insufficient to allow the database companies to geocode facility locations. These facilities are listed under the unmappables ("orphan sites") section within the ERIS report. A review of the unmappable facilities indicated that none of these facilities are within the ASTM minimum search distance from the Subject Property.

Regulatory information from the database sources regarding possible recognized environmental conditions, within the ASTM minimum search distance from the Subject Property, was reviewed. Specific facilities are discussed below the Table if determined likely that a potential recognized environmental condition has resulted at the Subject Property from the listed facilities. Please refer to Appendix C for a complete listing.

Database	Search Distance (Miles)	Subject Property Listed	Total Number of Listings	Potential Environmental Concern to the Subject Property
NPL, PROPOSED NPL	1	No	0	
DELISTED NPL	0.5	No	0	
SEMS, SEMS ARCHIVE	0.5	No	0	
CERCLIS, CERCLIS NFRAP, CERCLIS LIENS	0.5	No	0	
RCRA CORRACTS	1	No	0	
RCRA-TSD	0.5	No	0	
RCRA LQG, SQG, CESQGs, VGN, NLR, NON GEN	0.25	No	2	No
FED ENG, FED INST	TP	No	0	
ERNS	TP	No	0	
FED BROWNFIELDS	0.5	No	0	
STATE/TRIBAL HWS (includes RESPONSE, Envirostor, DELISTED ENVS)	1	No	3	No

Database	Search Distance (Miles)	Subject Property Listed	Total Number of Listings	Potential Environmental Concern to the Subject Property
SWF/LF	0.5	No	0	
HWP	1	No	0	
LDS	0.5	No	0	
LUST, DELISTED LST	0.5	No	1	No
UST, UST SWEEPS	0.25	No	1	No
UST CLOSURE	0.5	No	0	
HHSS, AST, DELISTED TNK, CERS TANK	0.25	No	5	No
DELISTED HAZ, LUR, HLUR, DEED, VCP	0.5	No	0	
CLEANUP SITES, DELISTED CLEANUP	0.5	No	0	
CERS HAZ	0.125	No	0	
DELISTED CTNK, HIST TANK	0.25	No	3	No
TRIBAL LISTINGS	0.25-0.5	No	0	
DELISTED COUNTY, CUPA	0.25	No	1	No
EMISSIONS	0.25	No	1	No
Additional State & Federal Listings	PO-1	No	9	No

The Subject Property was not identified in the database. The ERIS database identified off-site facilities as one RCRA SQG, one RCRA NON GEN, three ENVIROSTOR, one LUST, three HHSS, one UST SWEEPS, one AST, one CERS TANK, three HIST TANK, one CUPA MADERA, three PFAS SAMPLING, three PFAS GW, two PFAS INVEST, one SCH, and one EMISSIONS located within the prescribed search radii. Based on review of regulatory documentation, off-site location, and/or estimated direction of groundwater flow, these facilities do not represent a recognized environmental condition.

4.2 Additional Environmental Record Sources

4.2.1 County Recorder/ Assessor

According to the Madera County Recorder's Office, no environmentally related liens or environmental deed restrictions have been recorded against the Subject Property.

4.2.2 Fire Officials

Records from the Madera County Fire Department were reviewed for evidence indicating the presence of underground storage tanks and for the use of hazardous substances. No record was found for the Subject Property.

4.2.3 Building Department

Records from the Madera City and Madera County Building and Planning Departments were reviewed for evidence indicating the developmental history of the Subject Property, and for the presence of documentation relative to underground storage tanks. No records indicative of the current or past presence of USTs were noted.

4.2.4 Other Agencies

SEE's March 17, 2026, review of SWRCB Geotracker records of the leaking underground fuel tank (LUFT) database indicated that no record of LUFTs are on file with the RWQCB for the Subject Property.

SEE's March 17, 2026, review of the California Environmental Protection Agency, Department of Toxic Substances Control (DTSC) Envirostor California cleanup sites database available via the DTSC Internet Website indicated that no records of cleanup sites are on file with the DTSC for the Subject Property.

4.3 Physical Setting Sources

4.3.1 Topography

The USGS, Madera, California Quadrangle 7.5 minute series topographic map was reviewed for this ESA. The map was published by the USGS in 1963, photorevised 1981. According to the contour lines on the topographic map, the elevation of the Subject Property is approximately 265 feet above mean sea level (MSL). The Subject Property is depicted as an orchard with one small building, typical of a residence, on the southeast portion of the site.

4.3.2 Soils/Geology

The Subject Property is located within the eastern foothill area of the Great Valley geomorphic province, a long structural trough situated between the Sierra Nevada Mountains to the east, the Coast Range Mountains to the west and Tehachapi Mountains to the south. In the Subject Property area, the sediments consist of recent and older alluvium derived primarily from the Sierra Nevada Mountains. Older (Pleistocene) alluvium unconformably overlies Pliocene-Pleistocene continental and marine deposits. The valley basement, consisting of pre-Tertiary granitic and metamorphic rocks, underlies the clastic section at a depth in excess of 2,000 feet below ground surface. Shallow soil stratigraphy in the Madera County area is primarily sandy soils and sand-silt combination soils.

4.3.3 Hydrology

The site is located in the eastern edge of the San Joaquin Valley groundwater basin, which is part of the San Joaquin Basin Hydrologic Study Area (HSA). Twenty-six ground-water

basins and areas of potential groundwater storage have been identified in the San Joaquin Basin HSA. The HSA is bounded by the Sacramento-San Joaquin Delta to the north, the Sierra Nevada to the east, the Tehachapi Mountains to the south, and the Coastal Ranges to the west. Groundwater in the vicinity of the site is found within the Central Valley regional aquifer system, an unconfined to semi-confined aquifer system within the older alluvium and deeper continental deposits. According to Geotracker leaking underground fuel tank (LUFT) database available via the California Regional Water Quality Control Board, Central Valley Region (RWQCB) Internet Website, groundwater in the area approximately one mile north northeast of the Subject Property was at a depth of approximately 125 feet below ground surface and direction of flow was north northeast in 2025.

4.3.4 Flood Zone Information

A review of the Flood Insurance Rate Maps, published by the Federal Emergency Management Agency, was performed. According to Panel Number 06039C11600E, dated September 26, 2008, the Subject Property is located in Flood Zone X.

4.3.5 Oil and Gas Exploration

The on-site reconnaissance addressed oil and gas exploration at the Subject Property. According to the California Department of Conservation Geologic Energy Management, no operating or abandoned oil or gas wells are on or adjacent to the Subject Property.

4.3.6 Vapor Encroachment

A Tier 1 Vapor Encroachment Screen (VES) pursuant to ASTM E2600-10 was performed as part of this assessment to determine whether a potential *vapor encroachment condition* (VEC) exists at the Subject Property. The VES included the review of reasonably ascertainable information for the Subject Property and nearby properties. During the course of this assessment, a reasonable probability was not identified to indicate that a VEC exists at the Subject Property.

4.4 Historical Use Information: Subject Property and Adjoining Properties

Based on available historical documentation, the Subject Property consisted of agricultural land with a single-family residence and associated outbuildings from at least 1946 up to 2010 and fallow agricultural land or vacant land with a single-family residence and associated outbuildings since 2012.

4.4.1 Aerial Photographs

Available aerial photographs dated 1946, 1950, 1962, 1972, 1981, 1987, 1998, 2004, 2005, 2006, 2009, 2010, 2012, 2014, 2016, 2018, 2020, 2022, and 2024, from ERIS were reviewed for this ESA. Copies of selected photographs are included in Appendix B-1 of this report. The photographs are discussed below:

Date:	1946
Scale:	1” = 500’
Photo ID:	USGS
Description:	This photograph depicts the Subject Property as agricultural land with a residence type building and outbuilding on the southeast

area of the site. The north, east, and west adjoining properties appear as agricultural land. The south adjoining property appears as a roadway followed by agricultural land.

Date: 1950
Scale: 1" = 500'
Photo ID: ASCS
Description: This photograph depicts the Subject Property as agricultural land with a residence type building and three outbuildings on the southeast area of the site. The north, east, and south adjoining properties appear as in the 1946 photograph. The west adjoining property appears as a rural residence, outbuildings and agricultural land.

Date: 1962
Scale: 1" = 500'
Photo ID: USGS
Description: This photograph depicts the Subject Property as agricultural land with a residence and three outbuildings on the southeast area of the site. The adjoining properties appear as in the 1946 photograph.

Date: 1972
Scale: 1" = 500'
Photo ID: CAS
Description: This photograph depicts the Subject Property and adjoining properties as in the 1962 photograph.

Date: 1981
Scale: 1" = 500'
Photo ID: USGS
Description: This photograph depicts the Subject Property and the north, south, and west adjoining properties as in the 1962 photograph. The east adjoining property appears as agricultural land and a residence with a barn.

Date: 1987
Scale: 1" = 500'
Photo ID: USGS
Description: This photograph depicts the Subject Property and adjoining properties as in the 1981 photograph.

Date: 1998
Scale: 1" = 500'
Photo ID: USGS
Description: This photograph depicts the Subject Property and the north, east, and south adjoining properties as in the 1998 photograph. The west

adjoining property appears as a small roadway followed by rural residences and outbuildings.

Date:	2004, 2005, 2006
Scale:	1" = 500'
Photo ID:	USDA
Description:	These photographs depict the Subject Property and adjoining properties as in the 1998 photograph.

Date:	2009, 2010
Scale:	1" = 500'
Photo ID:	USDA
Description:	These photographs depict the Subject Property and the north, east, and west adjoining properties as in the 2004, 2005, and 2006 photographs. The south adjoining property appears as a roadway followed by a school.

Date:	2012, 2014, 2016, 2018, 2020, 2022, 2024
Scale:	1" = 500'
Photo ID:	USDA
Description:	These photographs depict the Subject Property as fallow agricultural land with a residence and three outbuildings on the southeast area of the site. The adjoining properties appear as in the 2009 and 2010 photographs.

4.4.2 Fire Insurance Maps

Historical Sanborn Fire Insurance maps were reviewed online at http://www.spl.org/. Fire insurance maps, which commonly date back to the 1800s, are typically reviewed in order to evaluate whether past usage or construction on the Subject Property or within the near vicinity is environmentally noteworthy. Fire insurance map coverage of the area of the Subject Property was not identified.

4.4.3 City Directories

Historical City directories published by Haines and RL Polk were reviewed at the Fresno County Library in Fresno, California for past names and business that were listed for the Property. The findings are presented in the following table:

YEAR	ON-SITE
1972, 1977, 1980, 1984, 1990, 1995, 2000, 2004, 2008, 2012, 2019, 2021	One residence listing

4.4.4 Historical Topographic Maps

The review of historical topographic maps was not reviewed for this study. Historical use of the Subject Property was researched using other standard historical sources.

4.4.5 Additional Historical Record Sources

Additional historical record sources were not reviewed.

4.4.6 Prior Assessment Reports

No prior reports or relevant documentation in association with the Subject Property were made available to SEE's during the course of this assessment.

5.0 SITE RECONNAISSANCE

5.1 Methodology and Limiting Conditions

The Subject Property was inspected by Paul Humphrey on March 31, 2026. The weather at the time of the site visit was cloudy and approximately 65 degrees.

5.2 General Site Setting

The Subject Property is situated within a partially developed residential area of Madera, California.

5.3 Exterior Observations

5.3.1 Solid Waste Disposal

No indication of potentially hazardous material disposal was noted during the site reconnaissance.

5.3.2 Surface Water Drainage

Drainage appears sufficient as no areas of ponding or standing water were noted during the site visit.

5.3.3 Wells and Cisterns

No aboveground evidence of wells or cisterns was observed during the site reconnaissance.

5.3.4 Wastewater

No indications of industrial wastewater disposal or treatment facilities were observed during the onsite reconnaissance.

5.3.5 Additional Site Observations

No additional relevant general site characteristics were observed.

5.4 Interior Observations

Viewed interiors of the buildings included the residence, detached garage, and shop.

5.5 Potential Environmental Conditions

5.5.1 Hazardous Substances and Petroleum Products Used or Stored at the Site

No evidence of the use of hazardous substances or petroleum products use or storage was observed on the Subject Property.

5.5.1.1 Unlabeled Containers and Drums

No unlabeled containers or drums were observed during the site reconnaissance.

5.5.1.2 Disposal Locations of Regulated/ Hazardous Waste

No obvious indications of hazardous waste disposal were observed on the Subject Property or were indicated during interviews.

5.5.2 Evidence of Releases

No obvious indications of hazardous material or petroleum product releases, such as stained areas or stressed vegetation, were observed during the site reconnaissance or reported during interviews.

5.5.3 Polychlorinated Biphenyls (PCBs)

Older transformers and other electrical equipment could contain polychlorinated biphenyls (PCBs) at a level that subjects them to regulation by the U.S. EPA. PCBs in electrical equipment are controlled by United States Environmental Protection Agency regulations 40 CFR, Part 761. Under the regulations, there are three categories into which electrical equipment can be classified:

- Less than 50 parts per million (PPM) of PCBs – "*Non-PCB" transformer*
- 50 ppm-500 ppm – "*PCB-Contaminated" electrical equipment*
- Greater than 500 ppm – "*PCB" transformer*

No potential PCB-containing equipment such as Subject Property owned transformers, oil-filled switches, hoists, lifts, dock levelers, hydraulic elevators, etc., is present.

Two utility-owned pole-mounted transformers are located on the southeast area of the Subject Property. No stains or evidence of leakage was observed beneath the transformers. The utility company would be responsible for care and/or removal of the transformers.

5.5.4 Landfills

No evidence of on-site landfilling was observed or reported during the site reconnaissance.

5.5.5 Pits, Ponds, Lagoons, Sumps, and Catch Basins

No evidence of on-site pits, ponds, lagoons, sumps or catch basins was observed or reported during the site reconnaissance.

5.5.6 On-Site ASTs and USTs

No evidence of ASTs or current USTs was observed during the Subject Property reconnaissance or reported during interviews.

5.5.7 Radiological Hazards

No radiological substances or equipment were observed or reported stored on the subject site.

5.5.8 Drinking Water

Drinking water of the Subject Property is supplied by an on-site domestic water well located northwest of the residence. Water sampling was not conducted at the site to verify water quality.

5.5.9 Additional Hazard Observations

No additional hazards were observed on the site.

5.5.10 Asbestos-Containing Materials (ACM)

An evaluation of ACM was not included in the scope of services and was not conducted.

5.5.11 Radon

The US EPA has prepared a map to assist National, State, and local organizations to target their resources and to implement radon-resistant building codes. The map divides the country into three Radon Zones, Zone 1 being those areas with the average predicted indoor radon concentration in residential dwellings exceeding the EPA Action limit of 4.0 picoCuries per Liter (pCi/L). It is important to note that the EPA has found homes with elevated levels of radon in all three zones, and the EPA recommends site specific testing in order to determine radon levels at a specific location. However, the map does give a valuable indication of the propensity of radon gas accumulation in structures. Review of the EPA Map of Radon Zones places the Subject Property in Zone 2, where average predicted radon levels are between 2.0 and 4.0 pCi/L.

5.5.12 Lead-Based Paint

An evaluation of lead-based paint was not included in the scope of services and was not conducted.

5.5.13 Mold Evaluation

A mold evaluation was not included in the scope of services and was not conducted.

6.0 INTERVIEWS

6.1 Interview with Owner

The owner of the Subject Property was identified as Mr. Joseph Crown. Mr. Crown was not aware of any pending, threatened, or past litigation relevant to hazardous substances or petroleum products in, on, or from the Subject Property; any pending, threatened, or past administrative proceedings relevant to hazardous substances or petroleum products in, on, or from the Subject Property; or any notices from a governmental entity regarding any possible violation of environmental laws or possible liability relating to hazardous substances or petroleum products.

6.2 Interview with Site Manager

See Section 6.1 Above.

6.3 Interview with Occupants

The Subject Property has no occupants.

6.4 Interview with Local Government Officials

An interview was conducted with the Madera County Environmental Health Department. According to MCEHD staff, no records were identified for the Subject Property.

An interview was conducted with representatives at the Madera City and Madera County Planning and Development Departments. According to the clerks, no records of environmental concern were identified for the Subject Property.

An interview was conducted with the Madera County Fire Department (MCFD). According to MCFD staff, no records were identified for the Subject Property.

6.5 Interview with Others

Additional interviews were not conducted.

7.0 FINDINGS AND CONCLUSIONS

7.1 Findings

7.1.1 On-Site Environmental Conditions

No on-site recognized environmental conditions were identified during the course of this assessment.

7.1.2 Off-Site Environmental Conditions

No off-site RECs were identified that were considered likely to impact the Subject Property.

7.1.3 Controlled Recognized Environmental Conditions

No on-site CRECs were identified during the course of this assessment.

7.1.4 Historical Recognized Environmental Conditions

No on-site HRECs were identified during the course of this assessment.

7.1.5 De Minimis Environmental Conditions

No *de minimis* environmental conditions were identified in connection with the Subject Property during the course of this assessment.

7.2 Opinion

Based on our professional opinion, no recognized environmental conditions in connection with the Subject Property were identified during the course of this assessment.

7.3 Conclusions

SEE's has performed a Phase I Environmental Site Assessment in conformance with the scope and limitations of ASTM Practice E1527-21 of the property located at 1171 East Pecan Avenue, Madera, California, the Subject Property. Any exceptions to or deletions from this practice are described in Section 1.4 of this report.

This assessment has revealed no evidence of recognized environmental conditions in connection with the Subject Property.

This assessment has revealed no evidence of recognized environmental conditions in connection with the Subject Property.

SEE's investigation has revealed the following BERs associated with the Subject Property or nearby properties:

- The Subject Property was historically and is currently used for agricultural purposes. There is a potential that agricultural related chemicals such as pesticides, herbicides, and fertilizers, may be present in on-site soils. Based on SEE's experience, during previous

site development activities, near surface soils (where residual agricultural chemical concentrations would have most likely been present, if at all) are likely generally mixed with fill material or disturbed during grading. Also, it is common that engineered fill material is placed over underlying soils as part of site development activities. These additional variables serve to further reduce the potential for exposure to residual agricultural chemicals (if any). Based on these reasons, SEE's concludes that the possible use of agricultural chemicals is not expected to represent a significant environmental concern.

- The Subject Property included one domestic water well.
- The on-site residence is reportedly connected to the municipal sanitary sewer system for sewage waste disposal. The date of connection to the municipal sanitary sewer system was not identified. The residence appears to have been on the Subject Property since at least 1946 and either replaced or expanded by 1962. Based on remoteness of the Subject Property in the early history of on-site residential use, the residence may have included the use of a septic system at one time. If a septic system is discovered during redevelopment activities, the system should be properly destroyed in accordance with State and local guidelines.

SEE's assessment has revealed the following Non-ASTM considerations associated with the Subject Property:

- Due to the age of the Subject Property buildings, there is a potential that asbestos containing materials may be present.
- Due to the age of the Subject Property buildings, there is a potential that lead-based paint may be present.

7.4 Recommendations

As a result of this assessment, SEE's recommends the following:

- Based on planned redevelopment for residential use, it should be determined whether sampling relating to the former agricultural use is required by the local planning department or other applicable oversight agency.
- If the on-site domestic water well is not to be used, it should be properly destroyed in accordance with State and local guidelines.
- Prior to demolition activities, an asbestos survey and lead-based paint assessment of the on-site buildings should be conducted.

7.5 Deviations

This Phase I ESA substantially complies with the scope of services and ASTM 1527-21 and the Environmental Protection Agency Standards and Practices for All Appropriate Inquiries (40 CFR Part 312), as amended, except for exceptions and/or limiting conditions as discussed in Section 1.4.

8.0 REFERENCES

Reports, Plans, and Other Documents Reviewed:

American Society for Testing and Materials, *Guide for Vapor Encroachment Screening on Property Involved in Real Estate Transactions*, ASTM Designation: E2600

American Society for Testing and Materials, *Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process*, ASTM Designation: E1527-21

ERIS, Aerial Photograph Report, Storey Road and Yosemite Avenue, Friant, California, Job number 026018P

ERIS, Radius Database Report, Storey Road and Yosemite Avenue, Friant, California, Job number 026018P

State of California Department of Conservation Geologic Energy Management web page, https://maps.conservation.ca.gov/oilgas/

State of California Department of Water Resources Division of Planning and Local Assistance, Groundwater Level Data Retrieval Map Interface web page, http://well.water.ca.gov/map/map.html

United States Department of Agriculture, Soil Conservation Service Soil Survey Madera County, California, 1986

US Environmental Protection Agency, Map of Radon Zones web page, http://www.epa.gov/iaq/radon/zonemap.html

US Environmental Protection Agency, Office of Water web page, http://www.epa.gov/ogwdw000/swp/ssa/ssahome.html

U.S. Geological Survey, Madera, California Topographic Quadrangle, 1963, photorevised 1981

Agencies Contacted:

Madera City Building and Planning Department

Madera County Assessor's Office

Madera County Building and Planning Department

Madera County Fire Department

Madera County Department of Environmental Health

9.0 SIGNATURES OF ENVIRONMENTAL PROFESSIONALS

We declare that, to the best of our professional knowledge and belief, we have met the definition of *Environmental professional* as defined in §312.10 of 40 CFR 312" and 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 the all appropriate inquiries in conformance with the standards and practices set forth in 40 CFR Part 312.

Paul Humphrey, EP
Environmental Professional

David L. Shaw, PE C88890
Professional Engineer



10.0 QUALIFICATIONS OF ENVIRONMENTAL PROFESSIONALS

10.1 Definition of an Environmental Professional

An Environmental Professional means: (1) a person who possesses sufficient specific education, training, and experience necessary to exercise professional judgment to develop opinions and conclusions regarding conditions indicative of releases or threatened re- leases (see § 312.l(c)) on, at, in, or to a property, sufficient to meet the objectives and performance factors in §§ 312.20(e) and (t). (2) Such a person must: (i) hold a current Professional Engineer's or Professional Geologist's license or registration from a state, tribe, or U.S. territory (or the Commonwealth of Puerto Rico) and have the equivalent of three (3) years of full-time relevant experience; or (ii) be licensed or certified by the federal government, a state, tribe, or U.S. territory (or the Commonwealth of Puerto Rico) to perform environmental inquiries as defined in § 312.21 and have the equivalent of three (3) years of full-time relevant experience; or (iii) have a Baccalaureate or higher degree from an accredited institution of higher education in a discipline of engineering or science and the equivalent of five (5) years of full-time relevant experience; or (iv) have the equivalent of ten (10) years of full-time relevant experience. (3) An environmental professional should remain cur- rent in his or her field through participation in continuing education or other activities. (4) The definition of environmental professional pro- vided above does not preempt state professional licensing or registration requirements such as those for a professional geologist, engineer, or site remediation professional. Before commencing work, a person should determine the applicability of state professional licensing or registration Jaws to the activities to be undertaken as part of the inquiry identified in § 312.21(b). (5) A person who does not qualify as an environmental professional under the foregoing definition may assist in the conduct of all appropriate inquiries in accordance with this part if such person is under the supervision or responsible charge of a person meeting the definition of an environmental professional provided above when conducting such activities.

10.2 Relevant Experience

Relevant experience, as used in the definition of environmental professional in this section, means: participation in the performance of all appropriate inquiries investigations, environmental site assessments, or other site investigations that may include environmental analyses, investigations, and remediation which involve the understanding of surface and sub- surface environmental conditions and the processes used to evaluate these conditions and for which professional judgment was used to develop opinions regarding conditions indicative of releases or threatened releases (see § 312.l(c)) to the subject property.

Resumes for the Environmental Professionals involved in this project are included in Appendix G.

FIGURES

SITE LOCATION MAP
SITE PLAN
SITE TOPOGRAPHIC MAP



SITE VICINITY MAP

SEE'S CONSULTING & TESTING
4644 E. CARMEN AVENUE
FRESNO, CA 93703
(559) 452-0100

Site Name:	Subdivision at Ave 19 and Hwy 99
Site Address:	1171 East Pecan Avenue Madera, California
Project Number:	026018P



SITE PLAN

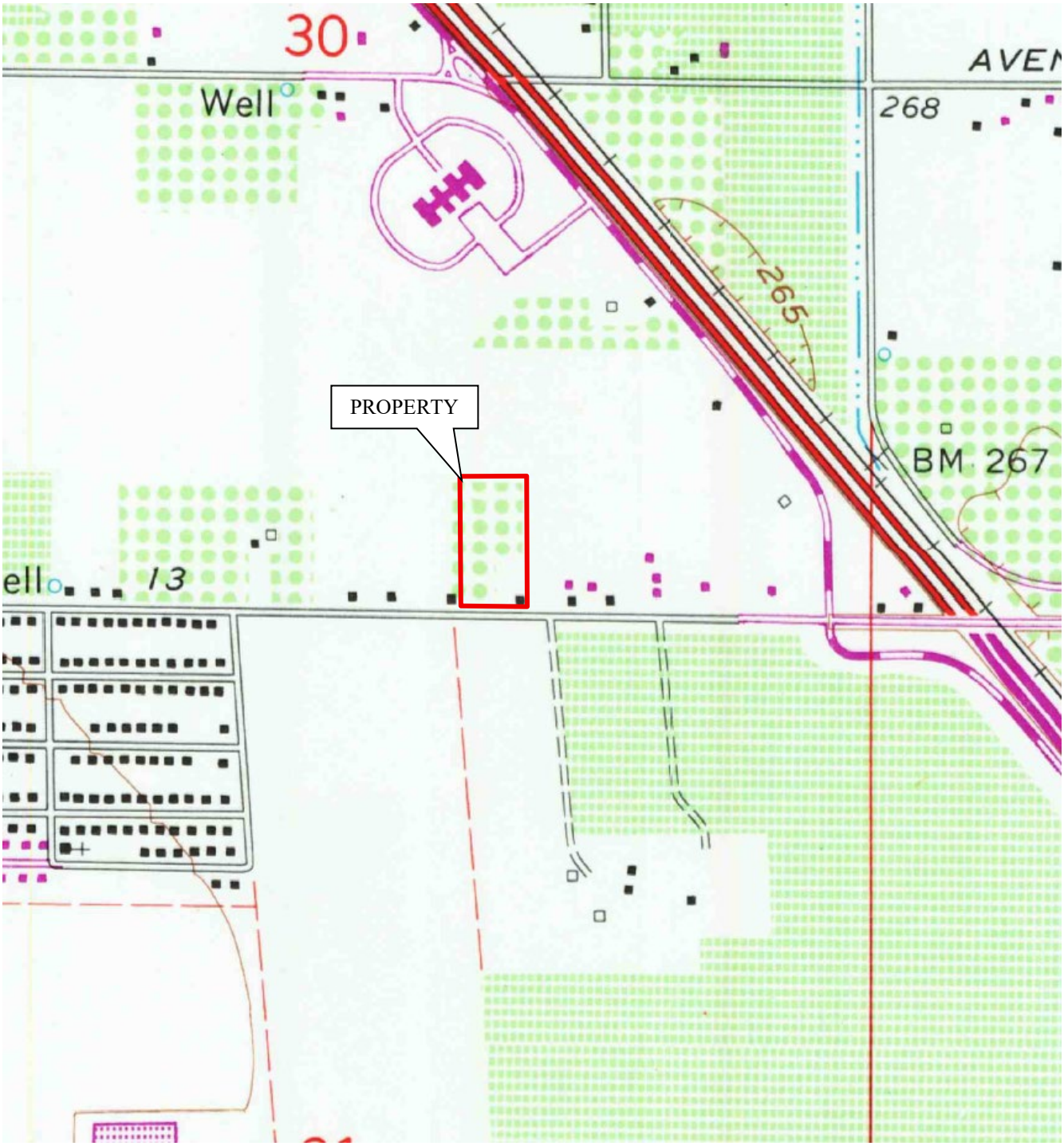
Estimated Property Boundary

NORTH

Not to scale

SEE'S CONSULTING & TESTING
4644 E. CARMEN AVENUE
FRESNO, CA 93703
(559) 452-0100

Site Name:	Subdivision at Ave 19 and Hwy 99
Site Address:	1171 East Pecan Avenue Madera, California
Project Number:	026018P



SEE'S CONSULTING & TESTING
4644 E. CARMEN AVENUE
FRESNO, CA 93703
(559) 452-0100

TOPOGRAPHIC MAP

Source: U.S.G.S. 7.5 Minute Topographic Map
Madera, California, 1963, photorevised 1981

⇑
N

APPENDIX A

SITE PHOTOGRAPHS



1. Residence located on the southeast portion of the Subject Property



2. Interior of the on-site residence



3. Garage located north of the on-site residence



4. Interior of the garage



5. Shop located north of the garage



6. Interior of the shop



7. Shade structure south of the shop



8. Coop located southwest of the shop



9. Domestic well located northwest of the on-site residence



10. South portion of Subject Property from west boundary



11. Central portion of Subject Property from west boundary



12. North portion of Subject Property from near the northeast corner of the site



13. North adjoining property



14. East adjoining residence and barn



15. View across Pecan Avenue of south adjoining school



16. West adjoining Apricot Lane and rural residences

APPENDIX B

HISTORICAL RESEARCH DOCUMENTATION

EXHIBIT B-1

AERIAL PHOTOGRAPHS

HISTORICAL AERIALS

Project Property: Subdivision at Ave 13 and Hwy 99
1171 East Pecan Avenue
Madera CA 93637

Project No: 026018P

Requested By: Paul Humphrey, REPA

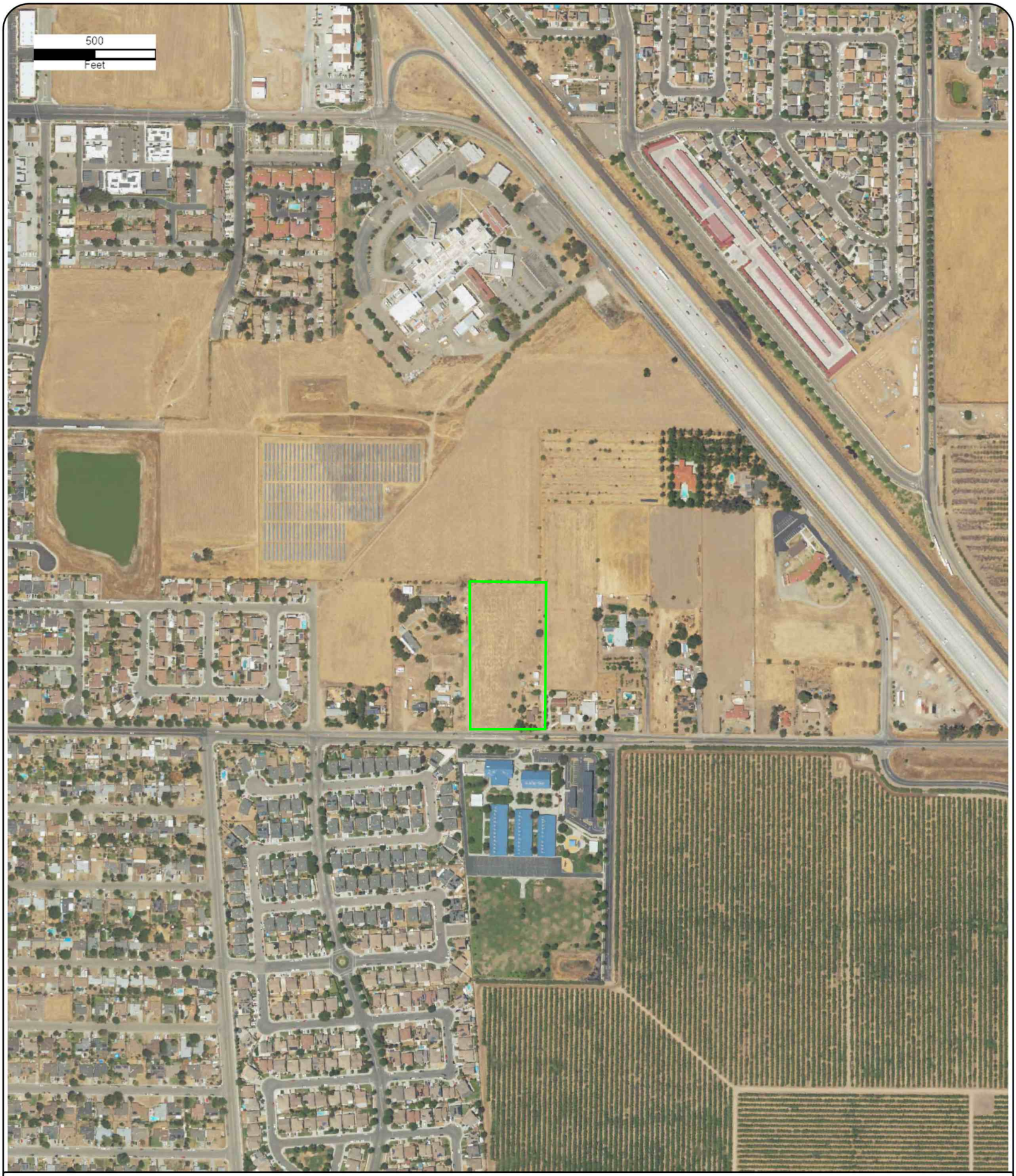
Order No: 26030600136

Date Completed: March 11,2026

Aerial Maps included in this report are produced by the sources listed above and are to be used for research purposes including a phase I report. Maps are not to be resold as commercial property. ERIS provides no warranty of accuracy or liability. The information contained in this report has been produced using aerial photos listed in above sources by ERIS Information Inc. (in the US) and ERIS Information Limited Partnership (in Canada), both doing business as 'ERIS'. The maps contained in this report do not purport to be and do not constitute a guarantee of the accuracy of the information contained herein. Although ERIS has endeavored to present information that is accurate, ERIS disclaims, any and all liability for any errors, omissions, or inaccuracies in such information and data, whether attributable to inadvertence, negligence or otherwise, and for any consequences arising therefrom. Liability on the part of ERIS is limited to the monetary value paid for this report.

Environmental Risk Information Services
A division of Glacier Media Inc.
1.866.517.5204 | info@erisinfo.com | erisinfo.com

Date	Source	Scale	Comments
2024	United States Department of Agriculture	1" = 500'	
2022	United States Department of Agriculture	1" = 500'	
2020	United States Department of Agriculture	1" = 500'	
2018	United States Department of Agriculture	1" = 500'	
2016	United States Department of Agriculture	1" = 500'	
2014	United States Department of Agriculture	1" = 500'	
2012	United States Department of Agriculture	1" = 500'	
2010	United States Department of Agriculture	1" = 500'	
2009	United States Department of Agriculture	1" = 500'	
2006	United States Department of Agriculture	1" = 500'	
2005	United States Department of Agriculture	1" = 500'	
2004	United States Department of Agriculture	1" = 500'	
1998	United States Geological Survey	1" = 500'	
1987	United States Geological Survey	1" = 500'	Best Copy Available
1981	United States Geological Survey	1" = 500'	
1972	Cartwright Aerial Surveys	1" = 500'	
1962	United States Geological Survey	1" = 500'	
1950	Agricultural Stabilization & Conserv. Service	1" = 500'	
1946	United States Geological Survey	1" = 500'	

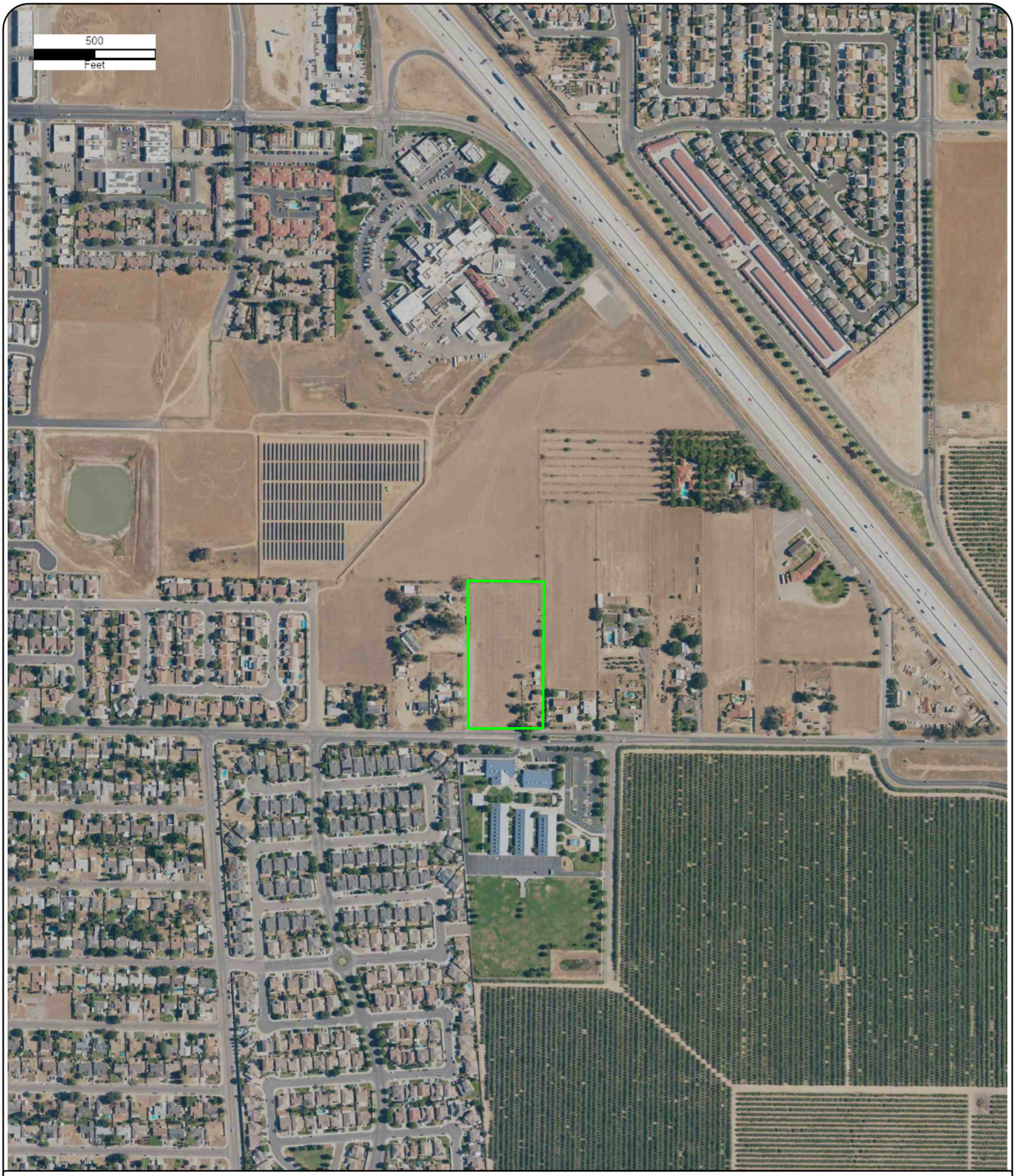


Year: 2024
Source: USDA
Scale: 1" = 500'
Comment:

Address: 1171 East Pecan Avenue, Madera, CA
Approx Center: -120.04375173,36.93913847

Order No: 26030600136

ERIS

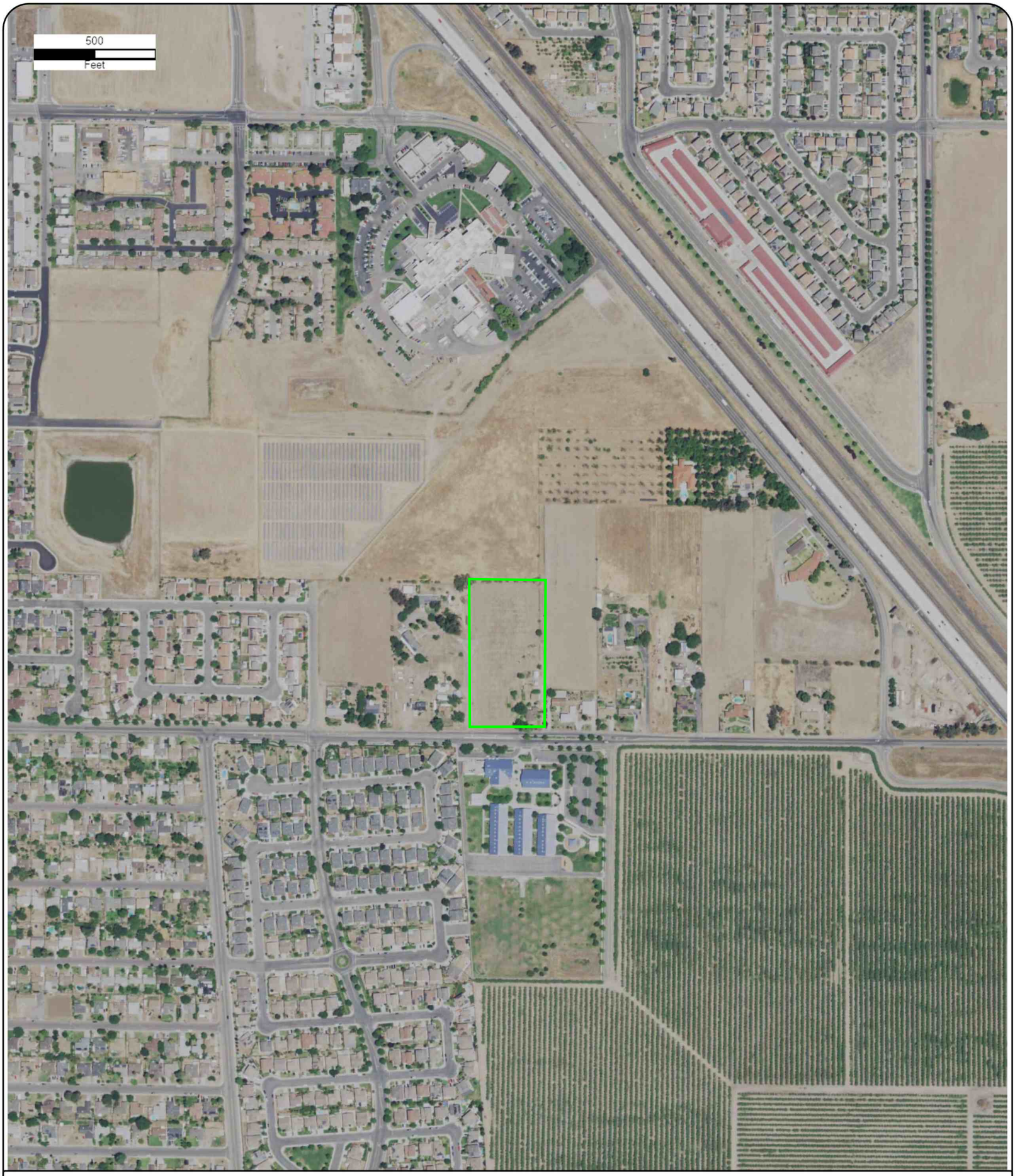


Year: 2022
Source: USDA
Scale: 1" = 500'
Comment:

Address: 1171 East Pecan Avenue, Madera, CA
Approx Center: -120.04375173,36.93913847

Order No: 26030600136

ERIS

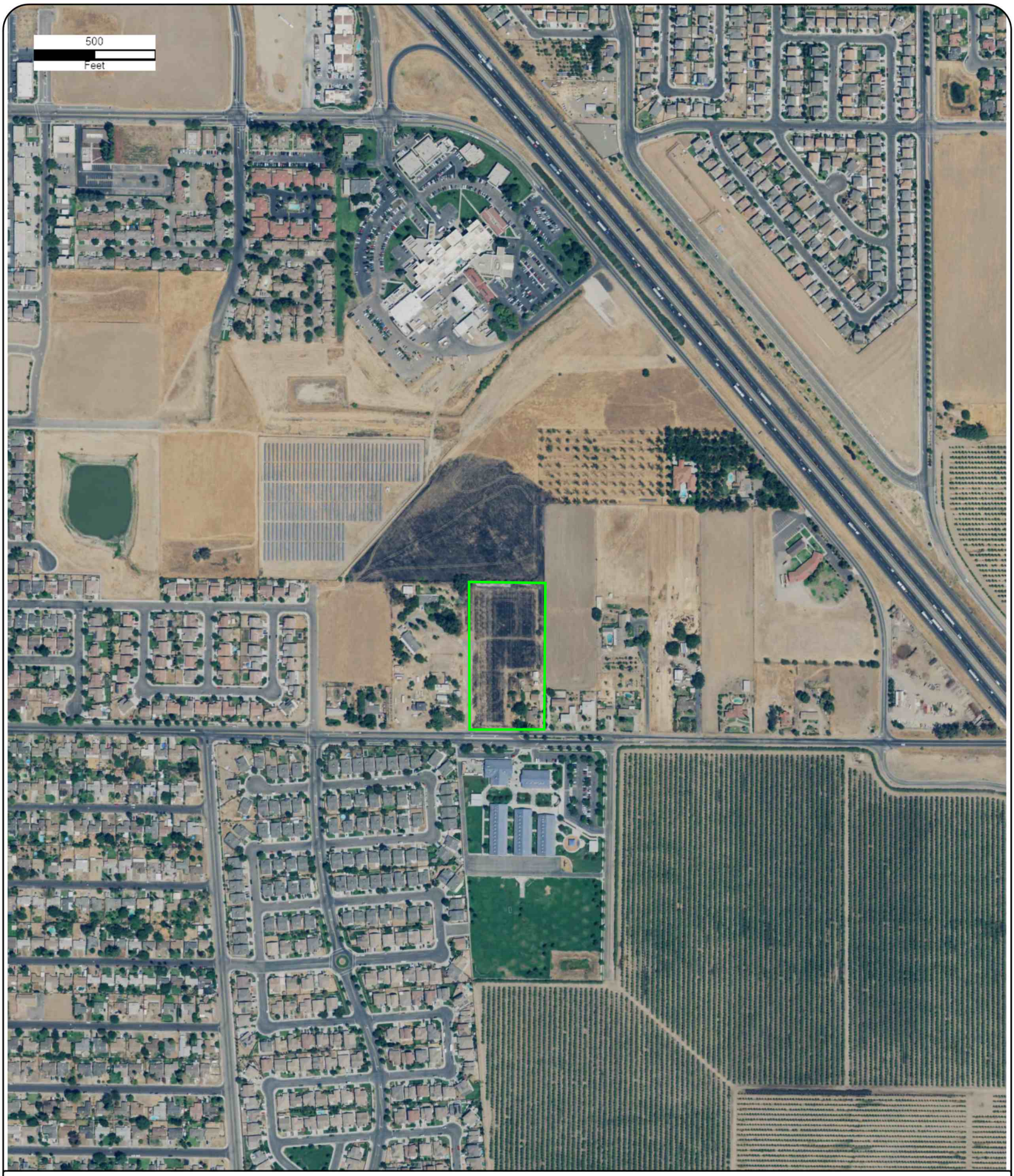


Year: 2020
Source: USDA
Scale: 1" = 500'
Comment:

Address: 1171 East Pecan Avenue, Madera, CA
Approx Center: -120.04375173,36.93913847

Order No: 26030600136

ERIS



Year: 2018
Source: USDA
Scale: 1" = 500'
Comment:

Address: 1171 East Pecan Avenue, Madera, CA
Approx Center: -120.04375173,36.93913847

Order No: 26030600136

ERIS

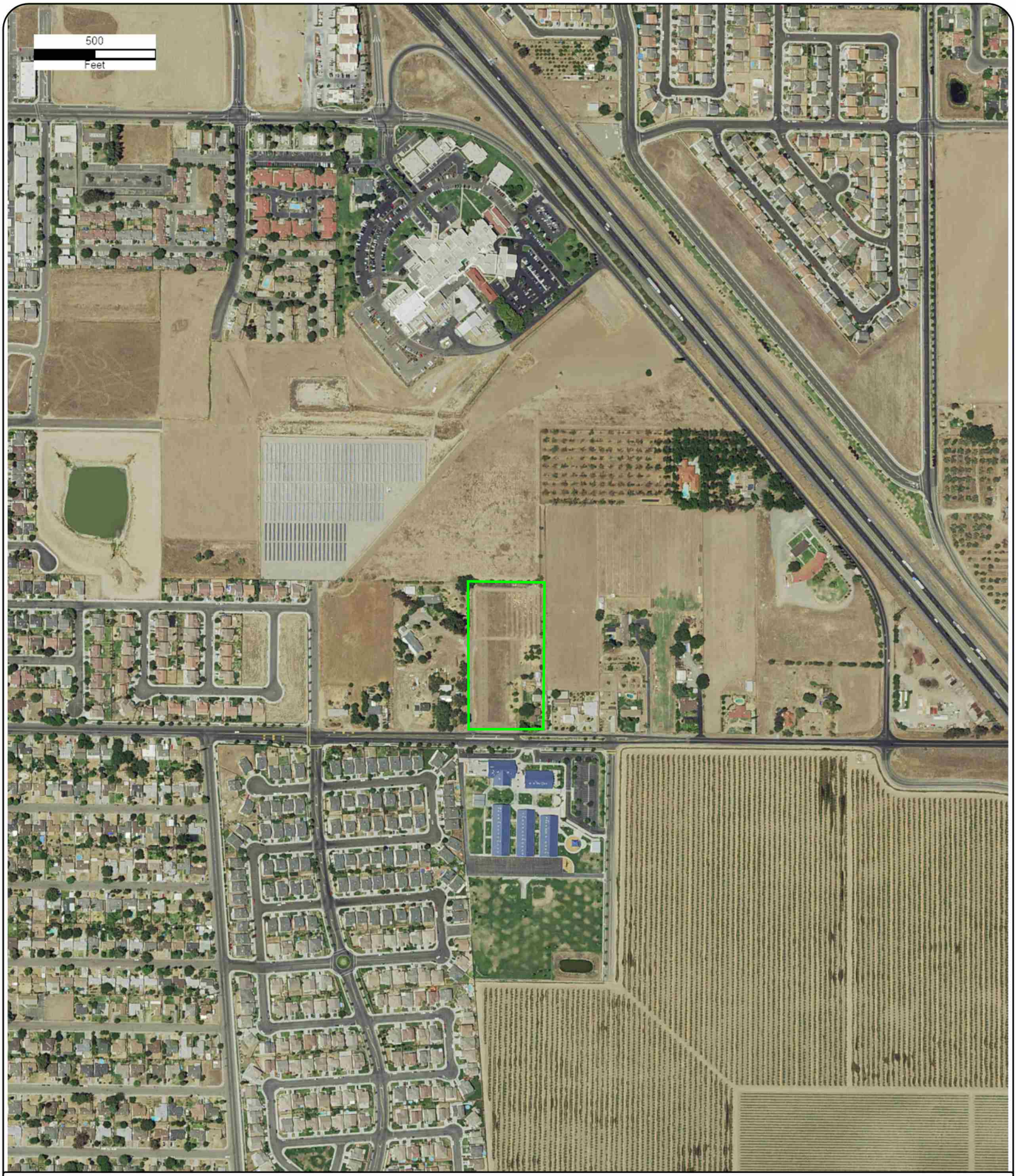


Year: 2016
Source: USDA
Scale: 1" = 500'
Comment:

Address: 1171 East Pecan Avenue, Madera, CA
Approx Center: -120.04375173,36.93913847

Order No: 26030600136

ERIS

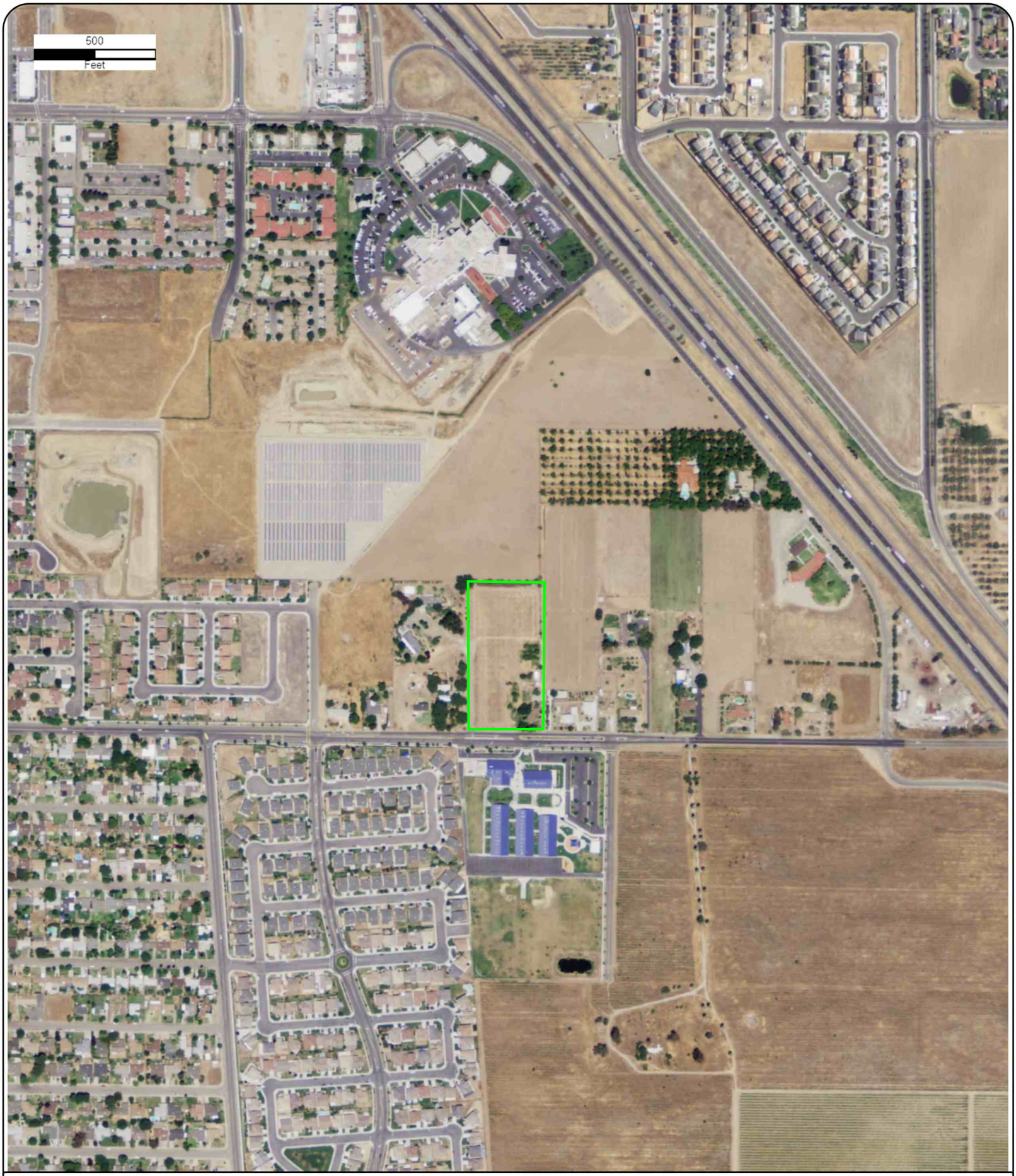


Year: 2014
Source: USDA
Scale: 1" = 500'
Comment:

Address: 1171 East Pecan Avenue, Madera, CA
Approx Center: -120.04375173,36.93913847

Order No: 26030600136

ERIS

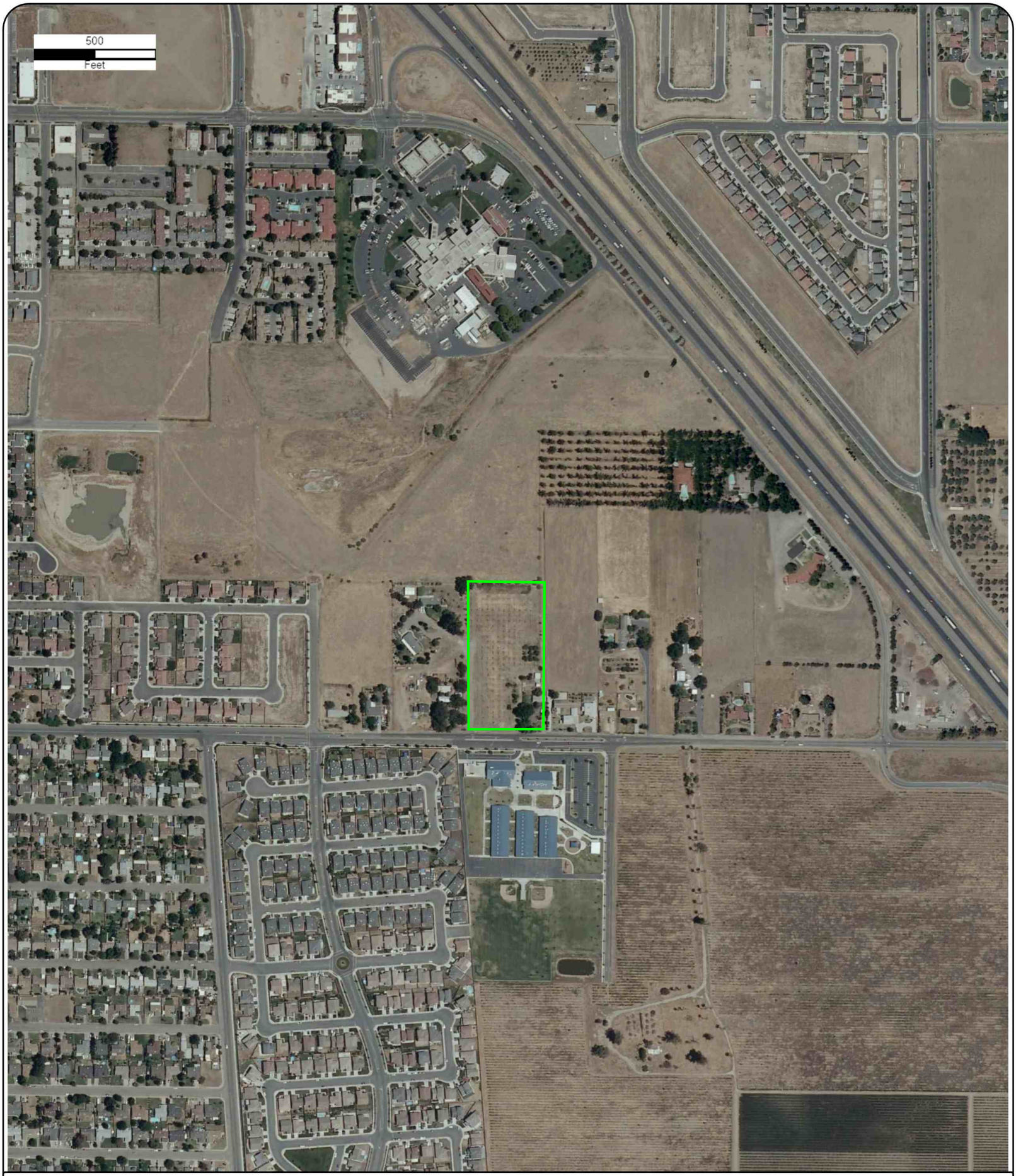


Year: 2012
Source: USDA
Scale: 1" = 500'
Comment:

Address: 1171 East Pecan Avenue, Madera, CA
Approx Center: -120.04375173,36.93913847

Order No: 26030600136

ERIS



Year: 2010
Source: USDA
Scale: 1" = 500'
Comment:

Address: 1171 East Pecan Avenue, Madera, CA
Approx Center: -120.04375173,36.93913847

Order No: 26030600136

ERIS

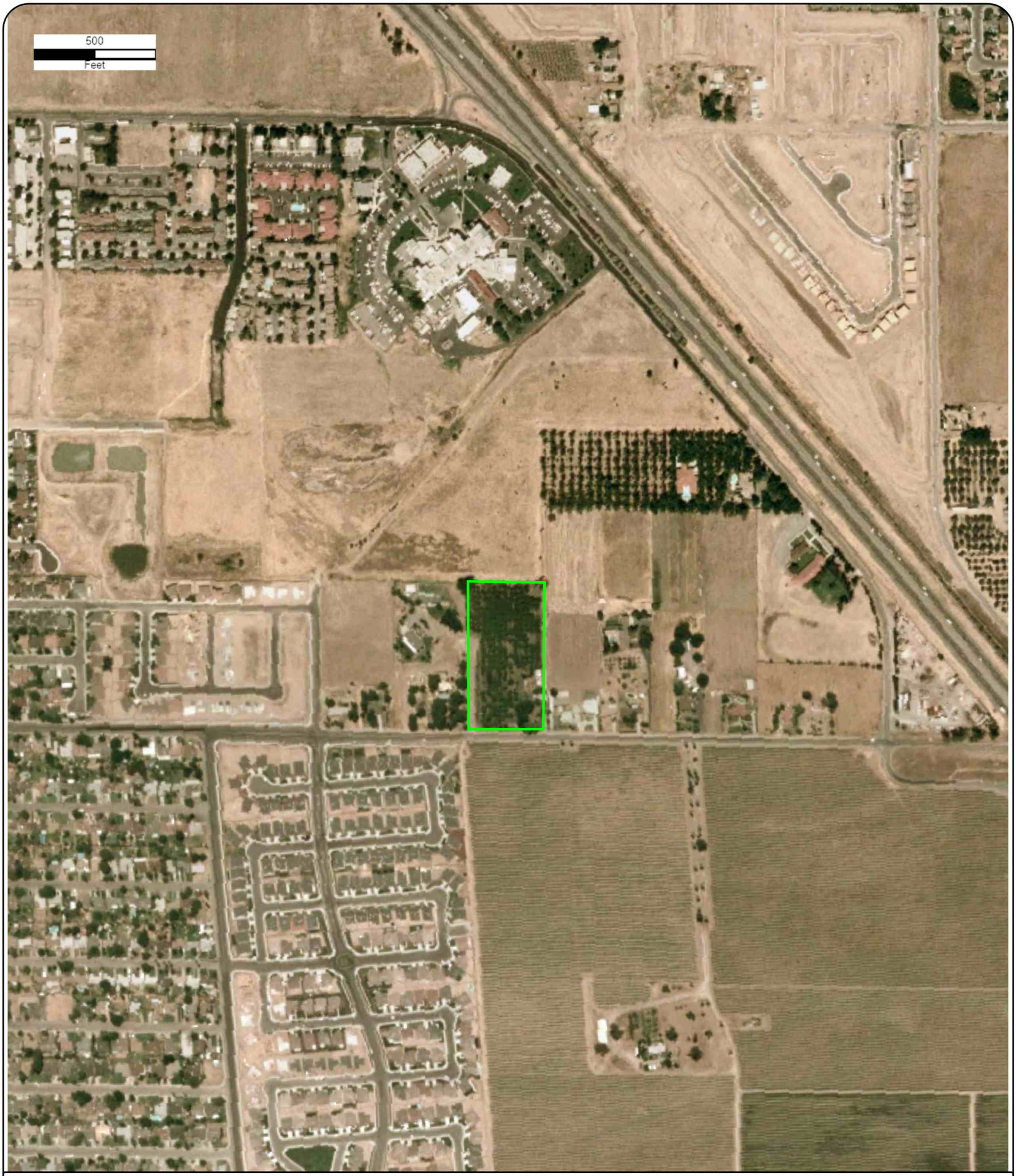


Year: 2009
Source: USDA
Scale: 1" = 500'
Comment:

Address: 1171 East Pecan Avenue, Madera, CA
Approx Center: -120.04375173,36.93913847

Order No: 26030600136

ERIS

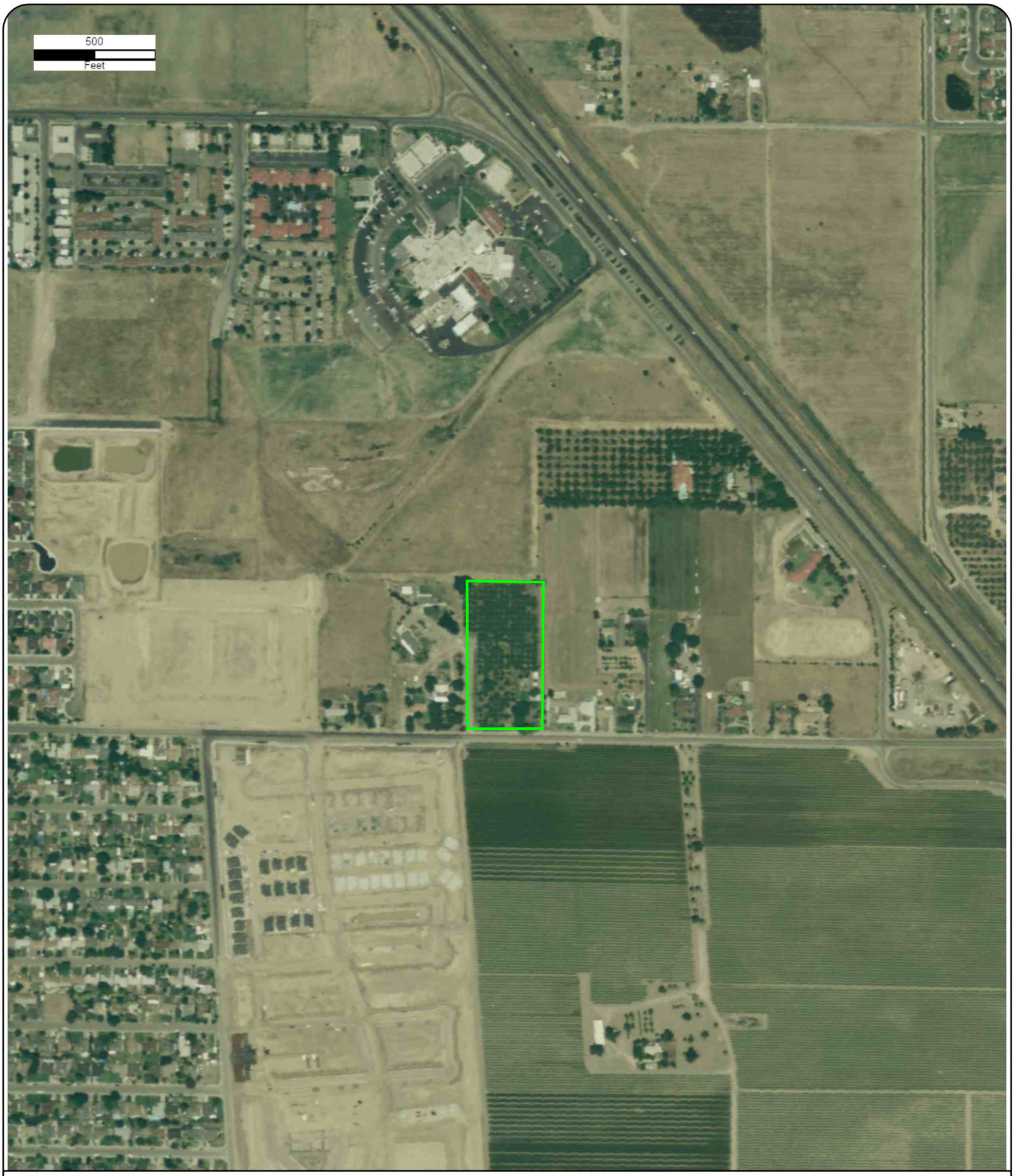


Year: 2006
Source: USDA
Scale: 1" = 500'
Comment:

Address: 1171 East Pecan Avenue, Madera, CA
Approx Center: -120.04375173,36.93913847

Order No: 26030600136

ERIS



Year: 2005
Source: USDA
Scale: 1" = 500'
Comment:

Address: 1171 East Pecan Avenue, Madera, CA
Approx Center: -120.04375173,36.93913847

Order No: 26030600136

ERIS



Year: 2004
Source: USDA
Scale: 1" = 500'
Comment:

Address: 1171 East Pecan Avenue, Madera, CA
Approx Center: -120.04375173,36.93913847

Order No: 26030600136

ERIS



Year: 1998
Source: USGS
Scale: 1" = 500'
Comment:

Address: 1171 East Pecan Avenue, Madera, CA
Approx Center: -120.04375173,36.93913847

Order No: 26030600136

ERIS



Year: 1987
Source: USGS
Scale: 1" = 500'
Comment: Best Copy Available

Address: 1171 East Pecan Avenue, Madera, CA
Approx Center: -120.04375173,36.93913847

Order No: 26030600136

ERIS

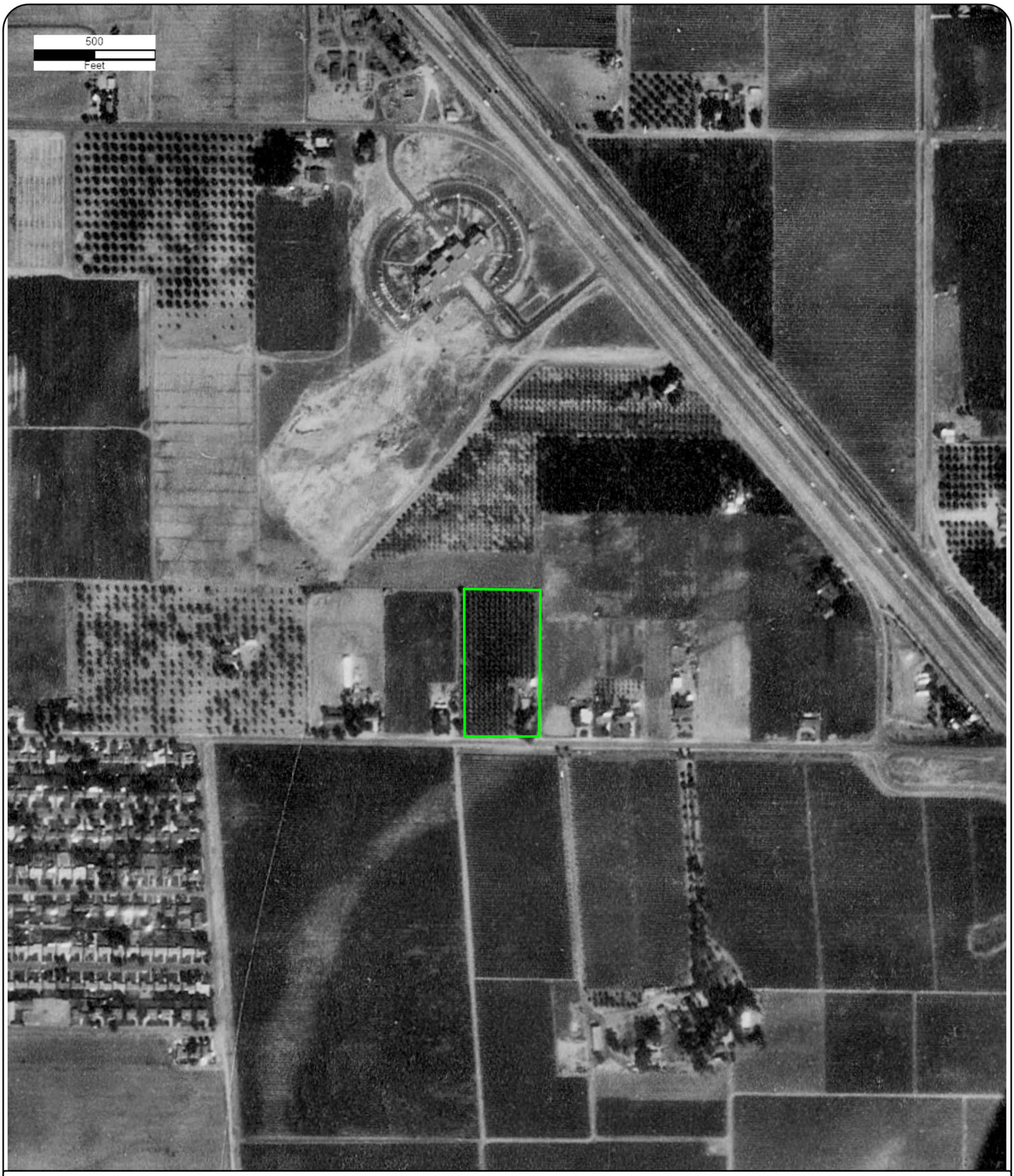


Year: 1981
Source: USGS
Scale: 1" = 500'
Comment:

Address: 1171 East Pecan Avenue, Madera, CA
Approx Center: -120.04375173,36.93913847

Order No: 26030600136

ERIS



Year: 1972
Source: CAS
Scale: 1" = 500'
Comment:

Address: 1171 East Pecan Avenue, Madera, CA
Approx Center: -120.04375173,36.93913847

Order No: 26030600136

ERIS



Year: 1962
Source: USGS
Scale: 1" = 500'
Comment:

Address: 1171 East Pecan Avenue, Madera, CA
Approx Center: -120.04375173,36.93913847

Order No: 26030600136

ERIS



Year: 1950
Source: ASCS
Scale: 1" = 500'
Comment:

Address: 1171 East Pecan Avenue, Madera, CA
Approx Center: -120.04375173,36.93913847

Order No: 26030600136

ERIS



Year: 1946
Source: USGS
Scale: 1" = 500'
Comment:

Address: 1171 East Pecan Avenue, Madera, CA
Approx Center: -120.04375173,36.93913847

Order No: 26030600136

ERIS

APPENDIX C

REGULATORY RECORDS DOCUMENTATION

EXHIBIT C-1

MAPPED DATABASE REPORT

DATABASE REPORT

Project Property:	*Subdivision at Ave 13 and Hwy 99* *1171 East Pecan Avenue* *Madera CA 93637*
Project No:	*026018P*
Report Type:	*Database Report*
Order No:	*26030600136*
Requested by:	*Paul Humphrey, REPA*
Date Completed:	*March 10, 2026*

Environmental Risk Information Services
A division of Glacier Media Inc.
1.866.517.5204 | info@erisinfo.com | erisinfo.com

Table of Contents

Table of Contents.....2
Executive Summary.....3
Executive Summary: Report Summary.....4
Executive Summary: Site Report Summary - Project Property.....9
Executive Summary: Site Report Summary - Surrounding Properties.....10
Executive Summary: Summary by Data Source.....13
Map.....18
Aerial.....21
Topographic Map.....22
Detail Report.....23
Unplottable Summary.....161
Unplottable Report.....162
Appendix: Database Descriptions.....163
Definitions.....183

Notice: IMPORTANT LIMITATIONS and YOUR LIABILITY

Reliance on information in Report: This report DOES NOT replace a full Phase I Environmental Site Assessment but is solely intended to be used as database review of environmental records.

License for use of information in Report: No page of this report can be used without this cover page, this notice and the project property identifier. The information in Report(s) may not be modified or re-sold.

Your Liability for misuse: Using this Service and/or its reports in a manner contrary to this Notice or your agreement will be in breach of copyright and contract and ERIS may obtain damages for such mis-use, including damages caused to third parties, and gives ERIS the right to terminate your account, rescind your license to any previous reports and to bar you from future use of the Service.

No warranty of Accuracy or Liability for ERIS: The information contained in this report has been produced by ERIS Information Inc. ("ERIS") using various sources of information, including information provided by Federal and State government departments. The report applies only to the address and up to the date specified on the cover of this report, and any alterations or deviation from this description will require a new report. This report and the data contained herein does not purport to be and does not constitute a guarantee of the accuracy of the information contained herein and does not constitute a legal opinion nor medical advice. Although ERIS has endeavored to present you with information that is accurate, ERIS disclaims, any and all liability for any errors, omissions, or inaccuracies in such information and data, whether attributable to inadvertence, negligence or otherwise, and for any consequences arising therefrom. Liability on the part of ERIS is limited to the monetary value paid for this report.

Trademark and Copyright: You may not use the ERIS trademarks or attribute any work to ERIS other than as outlined above. This Service and Report (s) are protected by copyright owned by ERIS Information Inc. Copyright in data used in the Service or Report(s) (the "Data") is owned by ERIS or its licensors. The Service, Report(s) and Data may not be copied or reproduced in whole or in any substantial part without prior written consent of ERIS.

Executive Summary

Property Information:

Project Property: *Subdivision at Ave 13 and Hwy 99*
1171 East Pecan Avenue Madera CA 93637

Project No: *026018P*

Coordinates:

Latitude:	*36.93913847*
Longitude:	*-120.04375173*
UTM Northing:	*4,092,204.72*
UTM Easting:	*763,277.56*
UTM Zone:	*10S*

Elevation: *265 FT*

Order Information:

Order No: *26030600136*
Date Requested: *March 6, 2026*
Requested by: *Paul Humphrey, REPA*
Report Type: *Database Report*

Historicals/Products:

Executive Summary: Report Summary

Database	Searched	Search Radius	Project Property	Within 0.12mi	0.125mi to 0.25mi	0.25mi to 0.50mi	0.50mi to 1.00mi	Total
Standard Environmental Records								
Federal								
NPL	Y	1	0	0	0	0	0	0
PROPOSED NPL	Y	1	0	0	0	0	0	0
DELETED NPL	Y	0.5	0	0	0	0	-	0
SEMS	Y	0.5	0	0	0	0	-	0
SEMS ARCHIVE	Y	0.5	0	0	0	0	-	0
ODI	Y	0.5	0	0	0	0	-	0
CERCLIS	Y	0.5	0	0	0	0	-	0
IODI	Y	0.5	0	0	0	0	-	0
CERCLIS NFRAP	Y	0.5	0	0	0	0	-	0
CERCLIS LIENS	Y	PO	0	-	-	-	-	0
RCRA CORRACTS	Y	1	0	0	0	0	0	0
RCRA TSD	Y	0.5	0	0	0	0	-	0
RCRA LQG	Y	0.25	0	0	0	-	-	0
RCRA SQG	Y	0.25	0	0	**1**	-	-	**1**
RCRA VSQG	Y	0.25	0	0	0	-	-	0
RCRA NON GEN	Y	0.25	0	0	**1**	-	-	**1**
RCRA CONTROLS	Y	0.5	0	0	0	0	-	0
FED ENG	Y	0.5	0	0	0	0	-	0
FED INST	Y	0.5	0	0	0	0	-	0
LUCIS	Y	0.5	0	0	0	0	-	0
NPL IC	Y	0.5	0	0	0	0	-	0
ERNS 1982 TO 1986	Y	PO	0	-	-	-	-	0
ERNS 1987 TO 1989	Y	PO	0	-	-	-	-	0
ERNS	Y	PO	0	-	-	-	-	0
FED BROWNFIELDS	Y	0.5	0	0	0	0	-	0
FEMA UST	Y	0.25	0	0	0	-	-	0
FRP	Y	0.25	0	0	0	-	-	0

Database	Searched	Search Radius	Project Property	Within 0.12mi	0.125mi to 0.25mi	0.25mi to 0.50mi	0.50mi to 1.00mi	Total
DELISTED FRP	Y	0.25	0	0	0	-	-	0
HIST GAS STATIONS	Y	0.25	0	0	0	-	-	0
REFN	Y	0.25	0	0	0	-	-	0
BULK TERMINAL	Y	0.25	0	0	0	-	-	0
SEMS LIEN	Y	PO	0	-	-	-	-	0
SUPERFUND ROD	Y	1	0	0	0	0	0	0
State								
RESPONSE	Y	1	0	0	0	0	0	0
ENVIROSTOR	Y	1	0	0	0	0	**3**	**3**
DELISTED ENVS	Y	1	0	0	0	0	0	0
SWF/LF	Y	0.5	0	0	0	0	-	0
SWRCB SWF	Y	0.5	0	0	0	0	-	0
WMUD	Y	0.5	0	0	0	0	-	0
HWP	Y	1	0	0	0	0	0	0
SWAT	Y	0.5	0	0	0	0	-	0
C&D DEBRIS RECY	Y	0.5	0	0	0	0	-	0
RECYCLING	Y	0.5	0	0	0	0	-	0
PROCESSORS	Y	0.5	0	0	0	0	-	0
CONTAINER RECY	Y	0.5	0	0	0	0	-	0
LDS	Y	0.5	0	0	0	0	-	0
LUST	Y	0.5	0	0	0	**1**	-	**1**
DELISTED LST	Y	0.5	0	0	0	0	-	0
UST	Y	0.25	0	0	0	-	-	0
UST CLOSURE	Y	0.5	0	0	0	0	-	0
HHSS	Y	0.25	0	0	**3**	-	-	**3**
UST SWEEPS	Y	0.25	0	0	**1**	-	-	**1**
AST	Y	0.25	0	0	**1**	-	-	**1**
AST SWRCB	Y	0.25	0	0	0	-	-	0
TANK OIL GAS	Y	0.25	0	0	0	-	-	0
DELISTED TNK	Y	0.25	0	0	0	-	-	0
CERS TANK	Y	0.25	0	0	**1**	-	-	**1**
DELISTED CTNK	Y	0.25	0	0	0	-	-	0
HIST TANK	Y	0.25	0	0	**3**	-	-	**3**
LUR	Y	0.5	0	0	0	0	-	0

Database	Searched	Search Radius	Project Property	Within 0.12mi	0.125mi to 0.25mi	0.25mi to 0.50mi	0.50mi to 1.00mi	Total
CALSITES	Y	0.5	0	0	0	0	-	0
HLUR	Y	0.5	0	0	0	0	-	0
DEED	Y	0.5	0	0	0	0	-	0
VCP	Y	0.5	0	0	0	0	-	0
CLEANUP SITES	Y	0.5	0	0	0	0	-	0
DELISTED CLEANUP	Y	0.5	0	0	0	0	-	0
DELISTED COUNTY	Y	0.25	0	0	0	-	-	0
DELISTED COUNTY TANK	Y	0.25	0	0	0	-	-	0
DELISTED COUNTY LTANK	Y	0.5	0	0	0	0	-	0
Tribal								
INDIAN LUST	Y	0.5	0	0	0	0	-	0
INDIAN UST	Y	0.25	0	0	0	-	-	0
DELISTED INDIAN LST	Y	0.5	0	0	0	0	-	0
DELISTED INDIAN UST	Y	0.25	0	0	0	-	-	0
County								
CUPA MADERA	Y	0.25	0	0	**1**	-	-	**1**
Additional Environmental Records								
Federal								
PFAS GHG	Y	0.5	0	0	0	0	-	0
OSC RESPONSE	Y	0.125	0	0	-	-	-	0
FINDS/FRS	Y	PO	0	-	-	-	-	0
TRIS	Y	PO	0	-	-	-	-	0
PFAS NPL	Y	0.5	0	0	0	0	-	0
PFAS FED SITES	Y	0.5	0	0	0	0	-	0
PFAS SSEHRI	Y	0.5	0	0	0	0	-	0
PFAS ERNS	Y	0.5	0	0	0	0	-	0
PFAS NPDES	Y	0.5	0	0	0	0	-	0
PFAS TRI	Y	0.5	0	0	0	0	-	0
PFAS WATER	Y	0.5	0	0	0	0	-	0
PFAS TSCA	Y	0.5	0	0	0	0	-	0
PFAS E-MANIFEST	Y	0.5	0	0	0	0	-	0
PFAS IND	Y	0.5	0	0	0	0	-	0
HMIRS	Y	0.125	0	0	-	-	-	0
NCDL	Y	0.125	0	0	-	-	-	0

Database	Searched	Search Radius	Project Property	Within 0.12mi	0.125mi to 0.25mi	0.25mi to 0.50mi	0.50mi to 1.00mi	Total
TSCA	Y	0.125	0	0	-	-	-	0
HIST TSCA	Y	0.125	0	0	-	-	-	0
FTTS ADMIN	Y	PO	0	-	-	-	-	0
FTTS INSP	Y	PO	0	-	-	-	-	0
PRP	Y	PO	0	-	-	-	-	0
SCRD DRYCLEANER	Y	0.5	0	0	0	0	-	0
ICIS	Y	PO	0	-	-	-	-	0
FED DRYCLEANERS	Y	0.25	0	0	0	-	-	0
DELISTED FED DRY	Y	0.25	0	0	0	-	-	0
FUDS	Y	1	0	0	0	0	0	0
FUDS MRS	Y	1	0	0	0	0	0	0
FORMER NIKE	Y	1	0	0	0	0	0	0
PIPELINE INCIDENT	Y	PO	0	-	-	-	-	0
MLTS	Y	PO	0	-	-	-	-	0
HIST MLTS	Y	PO	0	-	-	-	-	0
MINES	Y	0.25	0	0	0	-	-	0
SMCRA	Y	1	0	0	0	0	0	0
MRDS	Y	1	0	0	0	0	0	0
LM SITES	Y	1	0	0	0	0	0	0
ALT FUELS	Y	0.25	0	0	0	-	-	0
CONSENT DECREES	Y	0.25	0	0	0	-	-	0
AFS	Y	PO	0	-	-	-	-	0
SSTS	Y	0.25	0	0	0	-	-	0
PCBT	Y	0.5	0	0	0	0	-	0
PCB	Y	0.5	0	0	0	0	-	0
POWER PLANTS	Y	0.125	0	0	-	-	-	0
HIST RISK	Y	0.125	0	0	-	-	-	0
NPDES BIOSOLIDS	Y	PO	0	-	-	-	-	0
State								
PFAS SAMPLING	Y	0.5	0	0	0	**3**	-	**3**
DRYCLEANERS	Y	0.25	0	0	0	-	-	0
DELISTED DRYCLEANERS	Y	0.25	0	0	0	-	-	0
DRYC GRANT	Y	0.25	0	0	0	-	-	0
PFAS GT CLEANUPS	Y	0.5	0	0	0	0	-	0
PFAS GW	Y	0.5	0	0	0	**3**	-	**3**

Database	Searched	Search Radius	Project Property	Within 0.12mi	0.125mi to 0.25mi	0.25mi to 0.50mi	0.50mi to 1.00mi	Total
PFAS INVEST	Y	0.5	0	0	0	**2**	-	**2**
HWSS CLEANUP	Y	0.5	0	0	0	0	-	0
TOXIC PITS	Y	1	0	0	0	0	0	0
DTSC HWF	Y	0.5	0	0	0	0	-	0
INSP COMP ENF	Y	1	0	0	0	0	0	0
SCH	Y	1	0	**1**	0	0	0	**1**
CHMIRS	Y	PO	0	-	-	-	-	0
HIST CHMIRS	Y	PO	0	-	-	-	-	0
HAZNET	Y	PO	0	-	-	-	-	0
HAZ GEN	Y	PO	0	-	-	-	-	0
HAZ TSD	Y	0.5	0	0	0	0	-	0
HIST MANIFEST	Y	PO	0	-	-	-	-	0
HW TRANSPORT	Y	0.125	0	0	-	-	-	0
WASTE TIRE	Y	PO	0	-	-	-	-	0
MEDICAL WASTE	Y	0.25	0	0	0	-	-	0
HIST CORTESE	Y	0.5	0	0	0	0	-	0
CDO/CAO	Y	0.5	0	0	0	0	-	0
CERS HAZ	Y	0.125	0	0	-	-	-	0
DELISTED HAZ	Y	0.5	0	0	0	0	-	0
GEOTRACKER	Y	0.125	0	0	-	-	-	0
MINE	Y	1	0	0	0	0	0	0
LIEN	Y	PO	0	-	-	-	-	0
WASTE DISCHG	Y	0.25	0	0	0	-	-	0
EMISSIONS	Y	0.25	0	0	**1**	-	-	**1**
CDL	Y	0.125	0	0	-	-	-	0

Tribal

No Tribal additional environmental record sources available for this State.

County

Total:	*0*	***1***	***13***	***9***	***3***	***26***

**** PO – Property Only***
**** 'Property and adjoining properties' database search radii are set at 0.25 miles.***

Executive Summary: Site Report Summary - Project Property

Map Key	DB	Company/Site Name	Address	Direction	Distance (mi/ft)	Elev Diff (ft)	Page Number

No records found in the selected databases for the project property.

Executive Summary: Site Report Summary - Surrounding Properties

Map Key	DB	Company/Site Name	Address	Direction	Distance (mi/ft)	Elev Diff (ft)	Page Number
1	SCH	Parkwood Elementary School	27720 Avenue 13 Madera CA 93637	S	0.09 / 477.38	0	23
			Envirostor ID: 70000074 ***Cleanup Status:*** NO FURTHER ACTION AS OF 11/7/2006				
2	HHSS	NELLO DELBONO	27463 AVE 13 MADERA CA 93637	ESE	0.14 / 724.57	1	25
2	HIST TANK	NELLO DELBONO	27463 AVE. 13 MADERA CA	ESE	0.14 / 724.57	1	25
3	RCRA NON GEN	JD HOME RENTALS	27431 SAUNDERS ROAD MADERA CA 93637	WSW	0.23 / 1,202.95	-2	25
			Handler ID **|** ***Recycler Activity?:*** CAC002987813	NO			
4	HHSS	THEODORE R NASSAR	13286 GOLDEN STATE BLVD. MADERA CA 93637	ENE	0.23 / 1,226.82	2	27
4	HIST TANK	THEODORE R. NASSAR	13286 GOLDEN STATE BLVD. MADERA CA	ENE	0.23 / 1,226.82	2	27
5	AST	MADERA COMMUNITY HOSPITAL	1250 ALMOND AVE. MADERA CA 93639	N	0.25 / 1,294.39	1	28
5	CERS TANK	MADERA COMMUNITY HOSPITAL	1250 E ALMOND AVE MADERA CA 93637	N	0.25 / 1,294.39	1	28
			Site ID: 132286				
5	CUPA MADERA	MADERA COMMUNITY HOSPITAL	1250 E ALMOND AVE MADERA CA	N	0.25 / 1,294.39	1	40
5	EMISSIONS	MADERA COMMUNITY HOSPITAL	1250 E ALMOND AVE MADERA CA 93639	N	0.25 / 1,294.39	1	40
5	HHSS	MADERA COMMUNITY HOSPITAL	1250 EAST ALMOND AVENUE MADERA CA 93639	N	0.25 / 1,294.39	1	49
5	HIST TANK	MADERA COMMUNITY HOSPITAL	1250 EAST ALMOND AVENUE MADERA CA	N	0.25 / 1,294.39	1	49

Map Key	DB	Company/Site Name	Address	Direction	Distance (mi/ft)	Elev Diff (ft)	Page Number
5	RCRA SQG	MADERA COMMUNITY HOSPITAL	1250 E ALMOND AVE MADERA CA 93637 ***Handler ID | Recycler Activity?:*** CAD983593070 | NO	N	0.25 / 1,294.39	1	49
5	UST SWEEPS	MADERA COMMUNITY HOSPITAL	1250 ALMOND AVE MADERA CA ***C C | Status:*** A20-000-100419 | ACTIVE ***Tank ID:*** 001393	N	0.25 / 1,294.39	1	53
6	LUST	BICEGLIA BROS. WINE CO.	25427 AVE 13 MADERA CA 93637 ***Global ID | Status:*** T0603900046 |	W	0.28 / 1,472.85	-2	53
7	PFAS GW		CA	NW	0.33 / 1,722.07	1	56
7	PFAS INVEST	WELL 21 - RAW	CA	NW	0.33 / 1,722.07	1	83
7	PFAS SAMPLING	WELL 21 - RAW	MADERA CA	NW	0.33 / 1,722.07	1	84
8	PFAS GW		CA	SW	0.34 / 1,812.22	-3	99
8	PFAS SAMPLING	WELL 03	MADERA CA	SW	0.34 / 1,812.22	-3	106
9	PFAS GW		CA	NNE	0.37 / 1,928.70	2	112
9	PFAS INVEST	WELL 34 - RAW	CA	NNE	0.37 / 1,928.70	2	139
9	PFAS SAMPLING	WELL 34 - RAW	MADERA CA	NNE	0.37 / 1,928.70	2	140
10	ENVIROSTOR	LEON'S PLACE AND FIX IT	EAST OF NORTH GATEWAY DR/HIGHWAY 99 JCT MADERA CA 93637 ***Envirostor ID:*** 20500003 ***Cleanup Status:*** REFER: OTHER AGENCY AS OF 11/16/1994	NNW	0.65 / 3,442.18	8	156
11	ENVIROSTOR	CALTRANS CORPORATION YARD - MADERA	125 ALMOND AVENUE MADERA CA 93637	WNW	0.80 / 4,248.02	1	158

Map Key	DB	Company/Site Name	Address	Direction	Distance (mi/ft)	Elev Diff (ft)	Page Number
			Envirostor ID: 20160003 ***Cleanup Status:*** REFER: OTHER AGENCY AS OF 11/16/1994				
12	ENVIROSTOR	MADERA AUTOMATIC TRANSMISSION	905 SOUTH GATEWAY DRIVE MADERA CA 93637 ***Envirostor ID:*** 20750006 ***Cleanup Status:*** REFER: RCRA / HWMP AS OF 1/21/1994	NNW	0.99 / 5,242.91	6	159

Executive Summary: Summary by Data Source

Standard

Federal

RCRA SQG - RCRA Small Quantity Generators List

A search of the RCRA SQG database, dated Nov 30, 2025 has found that there are 1 RCRA SQG site(s) within approximately 0.25 miles of the project property.

Equal/Higher Elevation	Address	Direction	Distance (mi/ft)	Map Key
MADERA COMMUNITY HOSPITAL	1250 E ALMOND AVE MADERA CA 93637	N	0.25 / 1,294.39	5
	Handler ID* | *Recycler Activity?: *CAD983593070* | *NO*			

RCRA NON GEN - RCRA Non-Generators

A search of the RCRA NON GEN database, dated Nov 30, 2025 has found that there are 1 RCRA NON GEN site(s) within approximately 0.25miles of the project property.

Lower Elevation	Address	Direction	Distance (mi/ft)	Map Key
JD HOME RENTALS	27431 SAUNDERS ROAD MADERA CA 93637	WSW	0.23 / 1,202.95	3
	Handler ID* | *Recycler Activity?: *CAC002987813* | *NO*			

State

ENVIROSTOR - EnviroStor Database

A search of the ENVIROSTOR database, dated Oct 2, 2025 has found that there are 3 ENVIROSTOR site(s) within approximately 1.00 miles of the project property.

Equal/Higher Elevation	Address	Direction	Distance (mi/ft)	Map Key
LEON'S PLACE AND FIX IT	EAST OF NORTH GATEWAY DR/HIGHWAY 99 JCT MADERA CA 93637 ***Envirostor ID***: *20500003* ***Cleanup Status***: *REFER: OTHER AGENCY AS OF 11/16/1994*	NNW	0.65 / 3,442.18	10
CALTRANS CORPORATION YARD - MADERA	125 ALMOND AVENUE MADERA CA 93637 ***Envirostor ID***: *20160003* ***Cleanup Status***: *REFER: OTHER AGENCY AS OF 11/16/1994*	WNW	0.80 / 4,248.02	11
MADERA AUTOMATIC TRANSMISSION	905 SOUTH GATEWAY DRIVE MADERA CA 93637 ***Envirostor ID***: *20750006* ***Cleanup Status***: *REFER: RCRA / HWMP AS OF 1/21/1994*	NNW	0.99 / 5,242.91	12

LUST - Leaking Underground Fuel Tank Reports

A search of the LUST database, dated Sep 14, 2025 has found that there are 1 LUST site(s) within approximately 0.50miles of the

project property.

Lower Elevation	Address	Direction	Distance (mi/ft)	Map Key
BICEGLIA BROS. WINE CO.	25427 AVE 13 MADERA CA 93637	W	0.28 / 1,472.85	6
	Global ID* | *Status: *T0603900046* |			

HHSS - Historical Hazardous Substance Storage Information Database

A search of the HHSS database, dated Aug 27, 2015 has found that there are 3 HHSS site(s) within approximately 0.25miles of the project property.

Equal/Higher Elevation	Address	Direction	Distance (mi/ft)	Map Key
NELLO DELBONO	27463 AVE 13 MADERA CA 93637	ESE	0.14 / 724.57	2
THEODORE R NASSAR	13286 GOLDEN STATE BLVD. MADERA CA 93637	ENE	0.23 / 1,226.82	4
MADERA COMMUNITY HOSPITAL	1250 EAST ALMOND AVENUE MADERA CA 93639	N	0.25 / 1,294.39	5

UST SWEEPS - Statewide Environmental Evaluation and Planning System

A search of the UST SWEEPS database, dated Oct 1, 1994 has found that there are 1 UST SWEEPS site(s) within approximately 0.25 miles of the project property.

Equal/Higher Elevation	Address	Direction	Distance (mi/ft)	Map Key
MADERA COMMUNITY HOSPITAL	1250 ALMOND AVE MADERA CA	N	0.25 / 1,294.39	5
	C C* | *Status: *A20-000-100419* | *ACTIVE* ***Tank ID***: *001393*			

AST - Aboveground Storage Tanks

A search of the AST database, dated Aug 31, 2009 has found that there are 1 AST site(s) within approximately 0.25miles of the project property.

Equal/Higher Elevation	Address	Direction	Distance (mi/ft)	Map Key
MADERA COMMUNITY HOSPITAL	1250 ALMOND AVE. MADERA CA 93639	N	0.25 / 1,294.39	5

CERS TANK - California Environmental Reporting System (CERS) Tanks

A search of the CERS TANK database, dated Jan 12, 2026 has found that there are 1 CERS TANK site(s) within approximately 0.25 miles of the project property.

Equal/Higher Elevation	Address	Direction	Distance (mi/ft)	Map Key
MADERA COMMUNITY HOSPITAL	1250 E ALMOND AVE MADERA CA 93637 ***Site ID**: 132286*	N	0.25 / 1,294.39	5

HIST TANK - Historical Hazardous Substance Storage Container Information - Facility Summary

A search of the HIST TANK database, dated May 27, 1988 has found that there are 3 HIST TANK site(s) within approximately 0.25 miles of the project property.

Equal/Higher Elevation	Address	Direction	Distance (mi/ft)	Map Key
NELLO DELBONO	27463 AVE. 13 MADERA CA	ESE	0.14 / 724.57	2
THEODORE R. NASSAR	13286 GOLDEN STATE BLVD. MADERA CA	ENE	0.23 / 1,226.82	4
MADERA COMMUNITY HOSPITAL	1250 EAST ALMOND AVENUE MADERA CA	N	0.25 / 1,294.39	5

County

CUPA MADERA - Madera County - CUPA Facility List

A search of the CUPA MADERA database, dated Aug 25, 2022 has found that there are 1 CUPA MADERA site(s) within approximately 0.25miles of the project property.

Equal/Higher Elevation	Address	Direction	Distance (mi/ft)	Map Key
MADERA COMMUNITY HOSPITAL	1250 E ALMOND AVE MADERA CA	N	0.25 / 1,294.39	5

Non Standard

State

PFAS GW - PFOA/PFOS Groundwater

A search of the PFAS GW database, dated Feb 21, 2026 has found that there are 3 PFAS GW site(s) within approximately 0.50miles of the project property.

Equal/Higher Elevation	Address	Direction	Distance (mi/ft)	Map Key
	CA	NW	0.33 / 1,722.07	7
	CA	NNE	0.37 / 1,928.70	9

Equal/Higher Elevation	Address	Direction	Distance (mi/ft)	Map Key

Lower Elevation	Address	Direction	Distance (mi/ft)	Map Key
	CA	SW	0.34 / 1,812.22	8

PFAS INVEST - PFAS Investigations

A search of the PFAS INVEST database, dated Jan 23, 2024 has found that there are 2 PFAS INVEST site(s) within approximately 0.50miles of the project property.

Equal/Higher Elevation	Address	Direction	Distance (mi/ft)	Map Key
WELL 21 - RAW	CA	NW	0.33 / 1,722.07	7
WELL 34 - RAW	CA	NNE	0.37 / 1,928.70	9

SCH - School Property Evaluation Program Sites

A search of the SCH database, dated Oct 2, 2025 has found that there are 1 SCH site(s) within approximately 1.00miles of the project property.

Equal/Higher Elevation	Address	Direction	Distance (mi/ft)	Map Key
Parkwood Elementary School	27720 Avenue 13 Madera CA 93637 ***Envirostor ID**: 70000074* ***Cleanup Status**: NO FURTHER ACTION AS OF 11/7/2006*	S	0.09 / 477.38	1

EMISSIONS - Toxic Pollutant Emissions Facilities

A search of the EMISSIONS database, dated Dec 31, 2021 has found that there are 1 EMISSIONS site(s) within approximately 0.25 miles of the project property.

Equal/Higher Elevation	Address	Direction	Distance (mi/ft)	Map Key
MADERA COMMUNITY HOSPITAL	1250 E ALMOND AVE MADERA CA 93639	N	0.25 / 1,294.39	5

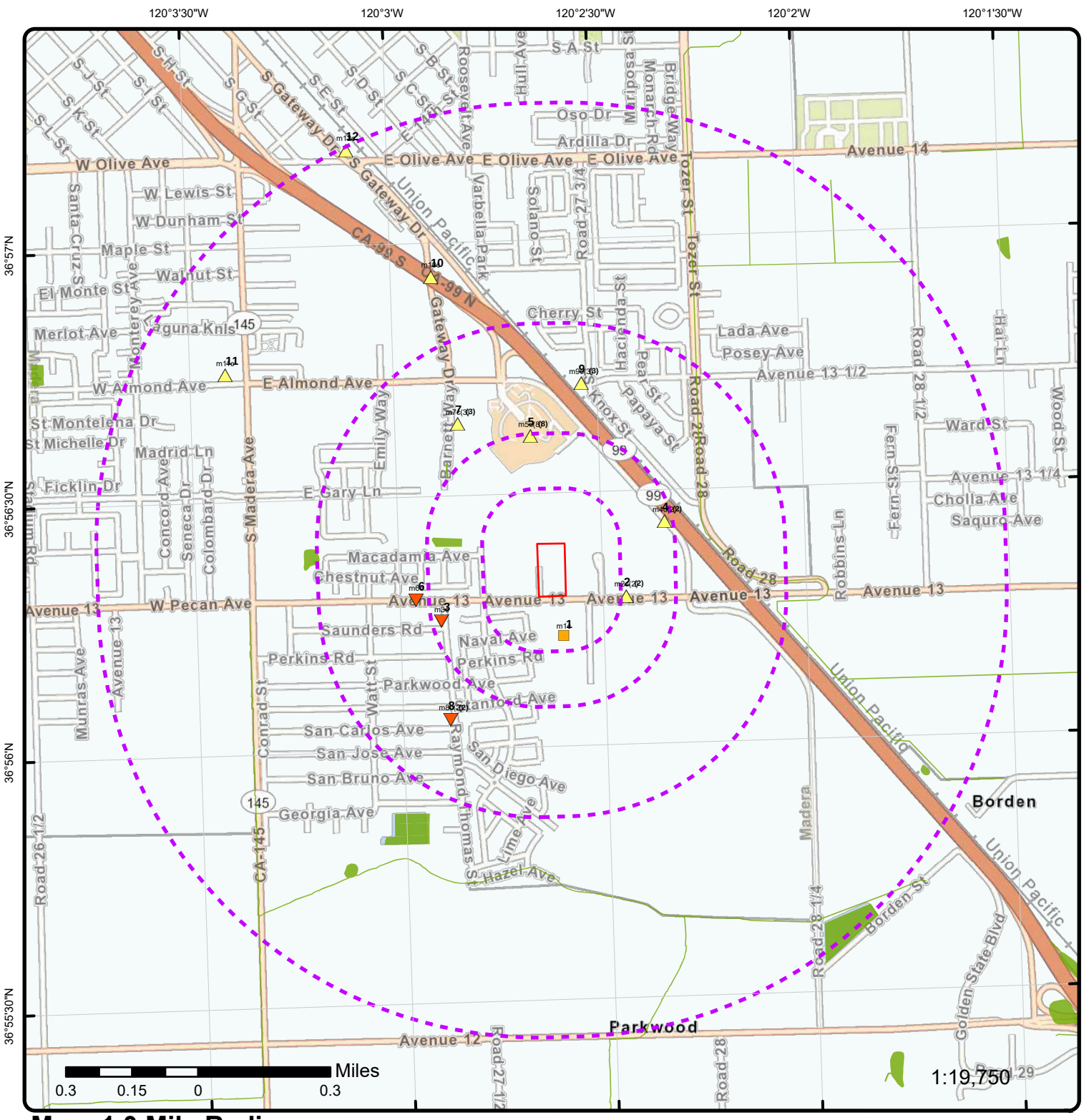
PFAS SAMPLING - PFAS Sampling Locations

A search of the PFAS SAMPLING database, dated Dec 21, 2025 has found that there are 3 PFAS SAMPLING site(s) within approximately 0.50miles of the project property.

Equal/Higher Elevation	Address	Direction	Distance (mi/ft)	Map Key
WELL 21 - RAW	MADERA CA	NW	0.33 / 1,722.07	7

Equal/Higher Elevation	Address	Direction	Distance (mi/ft)	Map Key
WELL 34 - RAW	MADERA CA	NNE	0.37 / 1,928.70	9

Lower Elevation	Address	Direction	Distance (mi/ft)	Map Key
WELL 03	MADERA CA	SW	0.34 / 1,812.22	8



Map: 1.0 Mile Radius

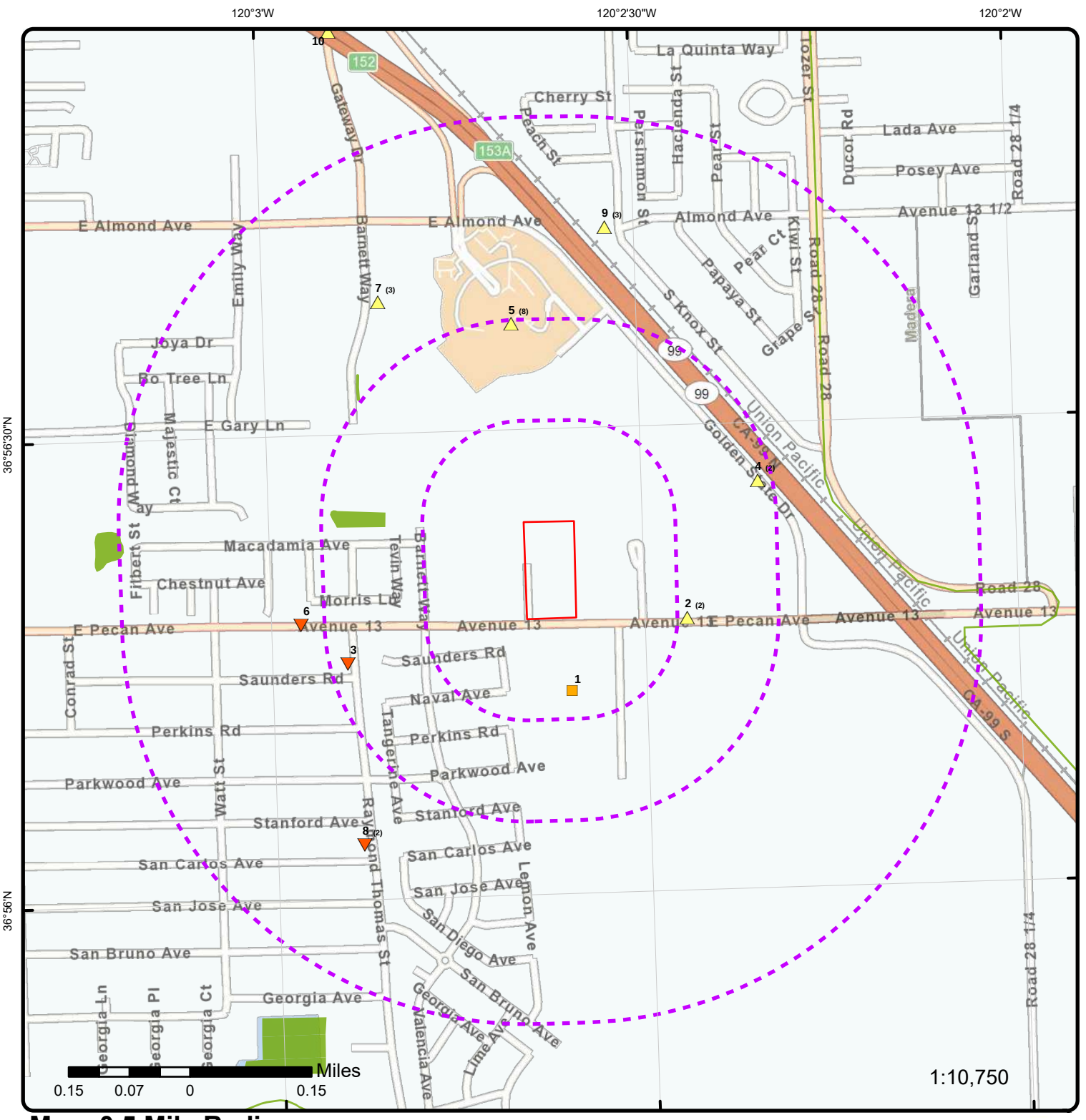
Order Number: 26030600136

Address: 1171 East Pecan Avenue, Madera, CA

- Project Property
- Buffer Outline
- Sites with Higher Elevation
- Sites with Same Elevation
- Sites with Lower Elevation
- Sites with Unknown Elevation
- Areas with Higher Elevation
- Areas with Same Elevation
- Areas with Lower Elevation
- Areas with Unknown Elevation
- Freeways; Highways
- Traffic Circle; Ramp
- Major & Minor Arterial
- Traffic Circle; Ramp
- Local Road
- Rail
- State
- Country
- National Wetland
- Indian Reserve Land
- 100 Year Flood Zone
- 500 Year Flood Zone
- FWS Special Designation Areas
- National Priorities List (Active, Delisted, Proposed, Institutional Control)

Source: © 2021 ESRI StreetMap Premium

© ERIS Information Inc.



Map: 0.5 Mile Radius

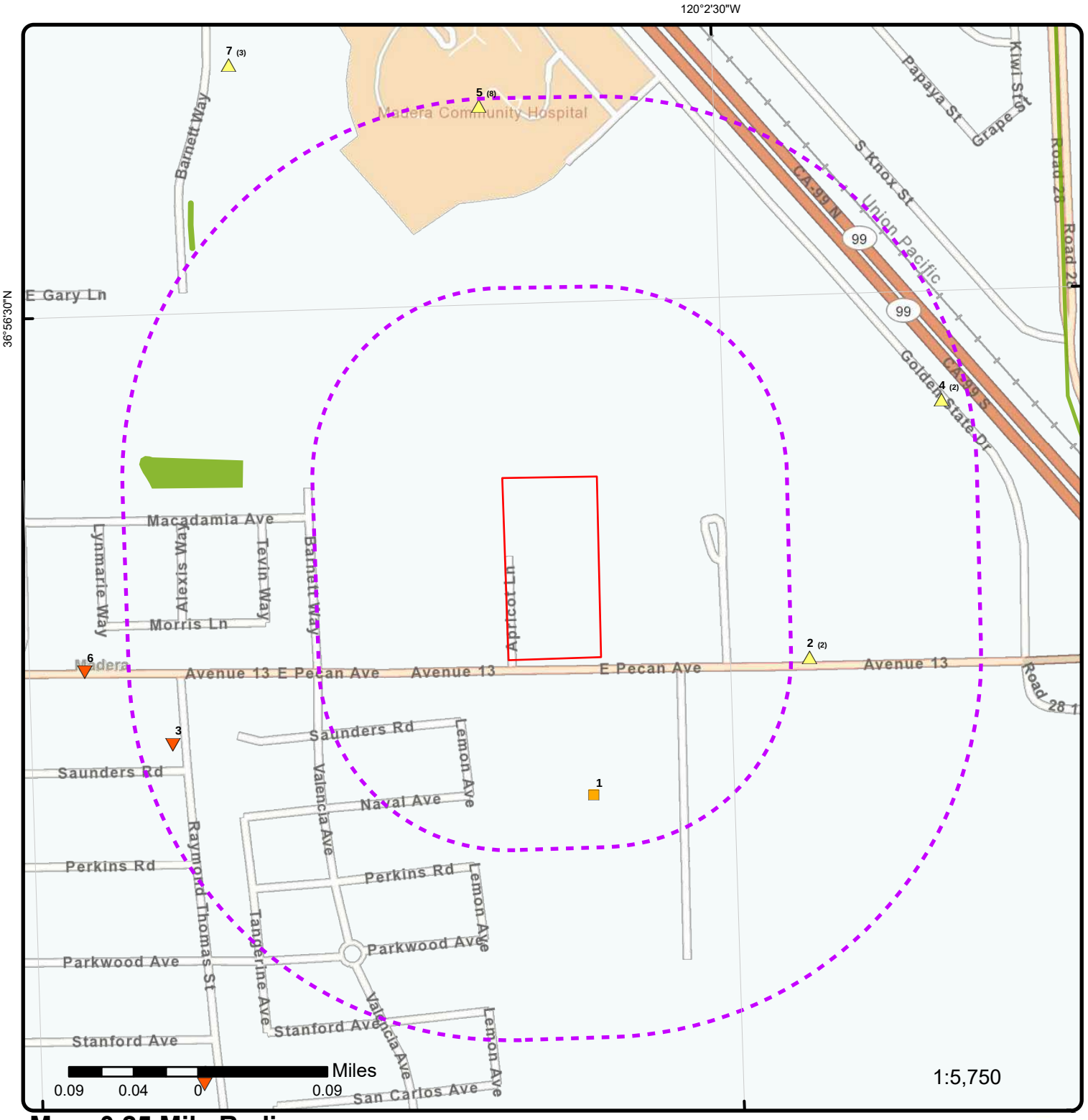
Order Number: 26030600136

Address: 1171 East Pecan Avenue, Madera, CA

- Project Property
- Buffer Outline
- Sites with Higher Elevation
- Sites with Same Elevation
- Sites with Lower Elevation
- Sites with Unknown Elevation
- Areas with Higher Elevation
- Areas with Same Elevation
- Areas with Lower Elevation
- Areas with Unknown Elevation
- Freeways; Highways
- Traffic Circle; Ramp
- Major & Minor Arterial
- Traffic Circle; Ramp
- Local Road
- Rail
- State
- Country
- National Wetland
- Indian Reserve Land
- 100 Year Flood Zone
- 500 Year Flood Zone
- FWS Special Designation Areas
- National Priorities List (Active, Delisted, Proposed, Institutional Control)

Source: © 2021 ESRI StreetMap Premium

© ERIS Information Inc.



Map: 0.25 Mile Radius

Order Number: 26030600136

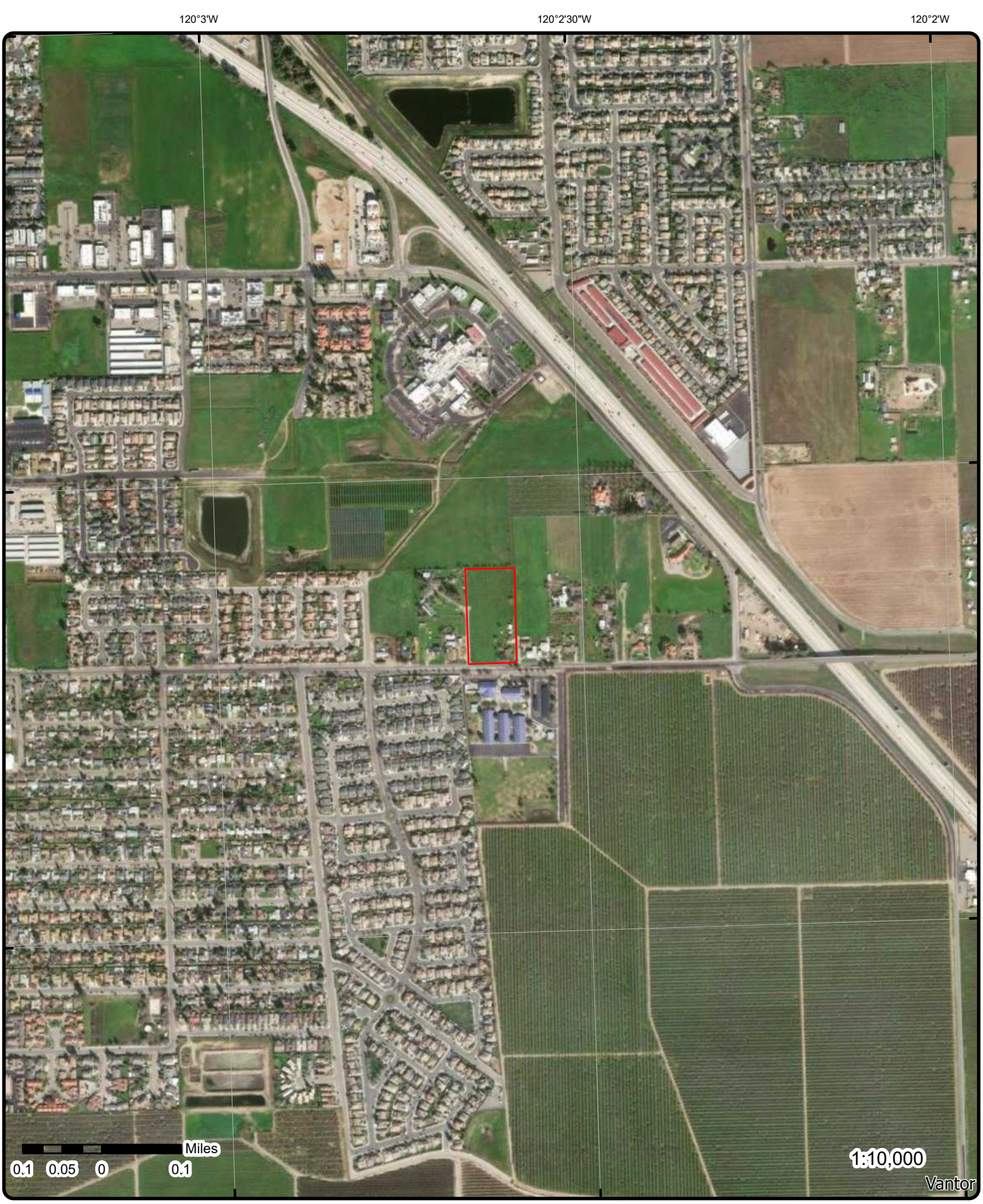
Address: 1171 East Pecan Avenue, Madera, CA

ERIS

- Project Property
- Buffer Outline
- Sites with Higher Elevation
- Sites with Same Elevation
- Sites with Lower Elevation
- Sites with Unknown Elevation
- Areas with Higher Elevation
- Areas with Same Elevation
- Areas with Lower Elevation
- Areas with Unknown Elevation
- Freeways; Highways
- Traffic Circle; Ramp
- Major & Minor Arterial
- Traffic Circle; Ramp
- Local Road
- Rail
- State
- Country
- National Wetland
- Indian Reserve Land
- 100 Year Flood Zone
- 500 Year Flood Zone
- FWS Special Designation Areas
- National Priorities List (Active, Delisted, Proposed, Institutional Control)

Source: © 2021 ESRI StreetMap Premium

© ERIS Information Inc.



Aerial

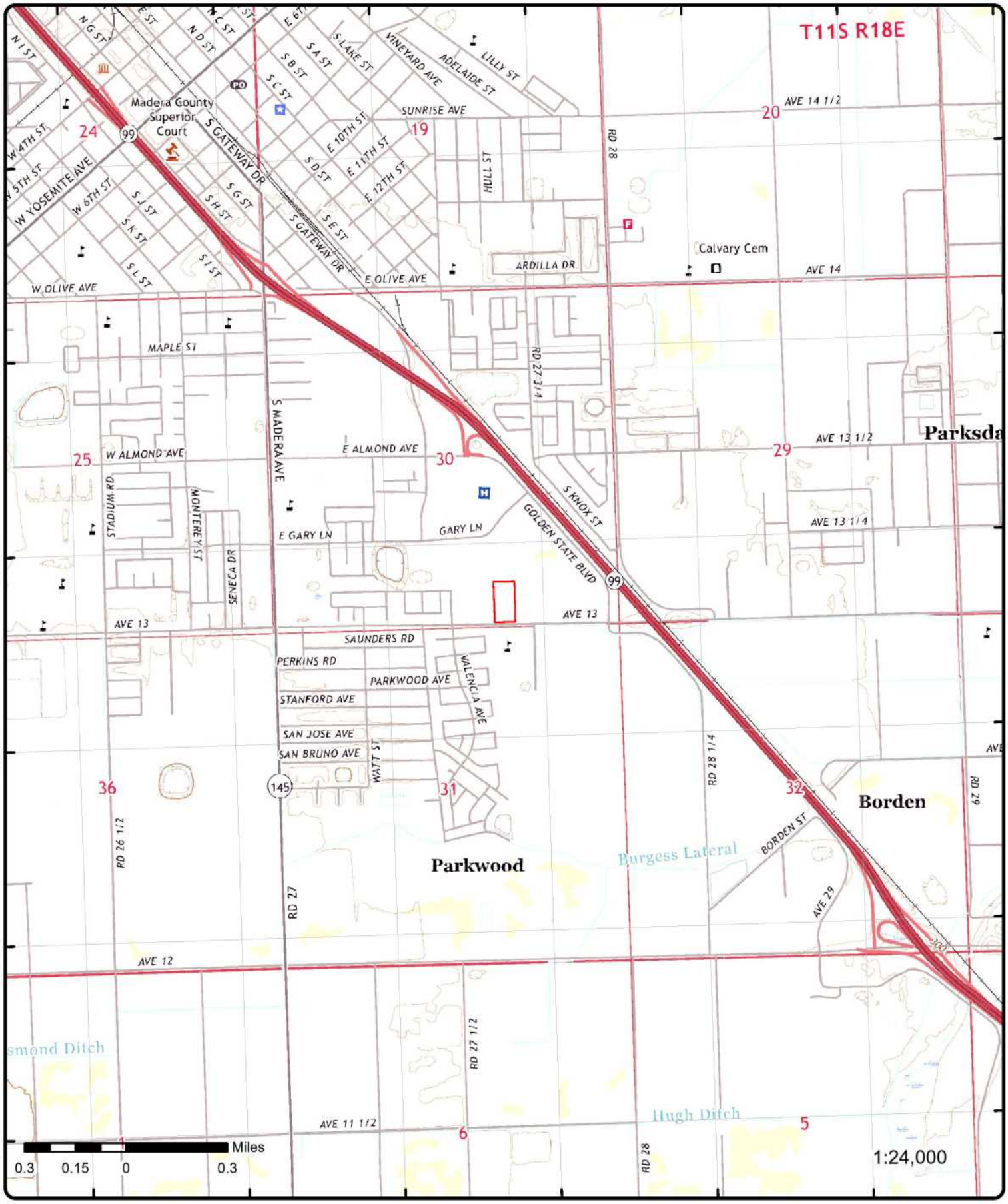
Year: 2025

Order Number: 26030600136

Address: 1171 East Pecan Avenue, Madera, CA

Source: ESRI World Imagery

© ERIS Information Limited Partnership



Topographic Map

Year: 2021

Order Number: 26030600136

Address: 1171 East Pecan Avenue, CA

Quadrangle(s): Madera CA

Source: USGS Topographic Map

© ERIS Information Inc.

Detail Report

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
1	1 of1	S	0.09 / 477.38	265.07 / 0	Parkwood Elementary School 27720 Avenue 13 Madera CA 93637	SCH

Envirostor ID: 70000074
Site History:

Madera Unified School District (District) is proposing to build a new elementary school on 16 acres of agricultural land located at 27720 Avenue 13 in Madera, California. The site is currently part of a larger agricultural field planted in grapes. One agricultural production well is located at the northwest corner of the site. A dirt road runs along the western edge of the site, and another dirt road runs east-west near the southern boundary of the property. No structures are located on the site; however, one structure was identified on the site in a 1922 topo map. The structure was demolished from the site prior to 1937, after which, the site was put into agricultural production. Off-site concerns include a small shop and a shed used for chemical storage located to the south of the site, and two farm residences located on the north side of Avenue 13 (within ¼ mile of the site) identified in the EDR as having underground storage tansk (USTs) that are either still in place, or have been removed without permits.

A Preliminary Environmental Assessment (PEA) investigation was conducted during the week of July 17, 2006, to investigate potential environmental impacts to the site. Soil sampling was conducted for organochlorine pesticides and metals related to agricultural activities, polychlorinated biphenyls from pole-mounted transformers, and heavy petroleum and polynuclear aromatics from a well pump bearing oiler. In addition, soil vapor sampling was conducted for volatile organic compounds related to an off-site chemical storage shed and off-site USTs. The Final PEA report submitted on November 7, 2006, concluded that impacts from chemicals detected at the site do not pose a risk to school occupants and recommended no further action (NFA). On November 7, 2006, DTSC approved the PEA with the NFA determiantion.

Facilities Details

Estor/EPA ID: 70000074
Program Type: SCHOOL EVALUATION
Program Type1:
Status: NO FURTHER ACTION
Site Facility Name: PARKWOOD ELEMENTARY SCHOOL
Site Type: SCHOOL
Address Description: 27720 AVENUE 13
City: MADERA
County: MADERA
Zip: 93637
Acres: 16 ACRES
Site Code: 104510
Apn: NONE SPECIFIED
Assembly District: 27
Census Tract: 6039000502
Funding: SCHOOL DISTRICT
Office: SANTA SUSANA FIELD LABORATORY BRANCH
Project Manager:
Special Program:
Supervisor: MARK MALINOWSKI
Senate District: 14
Public Participation Specialis:
CalEnviroScreen Score: 95-100%
National Priorities List: NO
Past Use that Caused Contam: AGRICULTURAL - ORCHARD, AGRICULTURAL - ROW CROPS
Permit Renewal Lead:
Cleanup Oversight Agencies: DTSC - SITE CLEANUP PROGRAM - LEAD AGENCY
Cleanup Status: NO FURTHER ACTION AS OF 11/7/2006
Potential Cont of Conc: METALS
ORGANOCHLORINE PESTICIDES (8081 OCPS)
POLYCHLORINATED BIPHENYLS (PCBS)
Potential Media Affected: NO MEDIA AFFECTED
School District: MADERA UNIFIED SCHOOL DISTRICT
Summary Link: https://www.envirostor.dtsc.ca.gov/public/profile_report?global_id=70000074

Completed Activities

Title: PEA Workplan, Parkwood ES, Madera USD, Madera, CA
Title Link: https://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=70000074&doc_id=6008864
Area Name:
Area Link:
Sub Area:

Sub Area Link:
Document Type: Preliminary Endangerment Assessment Workplan
Date Completed: 3/20/2006
Comments: The revised PEA WP adequately addresses DTSC's comments and is hereby approved.
Activity Type: Completed Activities

Title: Phase 1 Environmental Site Assessment Parkwood Elementary School
Title Link: https://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=70000074&doc_id=6008151
Area Name:
Area Link:
Sub Area:
Sub Area Link:
Document Type: Phase 1
Date Completed: 10/20/2005
Comments: DTSC approved the Phase I and issued a PEA required determination. Ag site, potential impacts from off-site chemical storage, on-site transformer/pole.
Activity Type: Completed Activities

Title: PEA Report for Parkwood ES, Madera USD, Madera, Ca
Title Link: https://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=70000074&doc_id=6011744
Area Name:
Area Link:
Sub Area:
Sub Area Link:
Document Type: Preliminary Endangerment Assessment Report
Date Completed: 11/7/2006
Comments: DTSC approved the PEA Report with a no further action determination.
Activity Type: Completed Activities

Title: EOA
Title Link: https://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=70000074&enforcement_id=6008299
Area Name:
Area Link:
Sub Area:
Sub Area Link:
Document Type: Environmental Oversight Agreement
Date Completed: 12/5/2005
Comments:
Activity Type: Completed Activities

Search Results Details

Program Type: SCHOOL INVESTIGATION
Site Code: 104510
Status: NO FURTHER ACTION
Status Date: 11/7/2006
Calenviroscreen Score: 95-100%
Office: Santa Susana Field Laboratory Branch
Pm:
Supervisor: * Mark Malinowski
Branch Chief:
Address Description: 27720 AVENUE 13
Site Facility Name: PARKWOOD ELEMENTARY SCHOOL
City: MADERA
County: MADERA
Zip: 93637
Latitude: 36.9369606964537
Longitude: -120.043335146898

Sites Details

Status: No Further Action
Status Date: 11/07/2006
Site Code: 104510
Site Type: School Investigation
Site Type Detailed: School
Special Program:
Assembly: 27
Division Branch: Santa Susana Field Laboratory Branch
Funding: School District
Lead Agency: SMBRP
Project Manager:
Supervisor: * Mark Malinowski

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

City: Madera
County: MADERA
Congres Dis: 13
State: CA
Latitude: 36.9369606964537
Longitude: -120.043335146898
Address: 27720 Avenue 13
National Priorities List: NO
APN: NONE SPECIFIED
Confirmed Coc: 30018-NO,30021-NO,30023-NO,30001-NO,30004-NO,30005-NO,30006-NO,30007-NO,30008-NO,30010-NO, 30013-NO,30014-NO,31000
Past Uses: AGRICULTURAL - ORCHARD, AGRICULTURAL - ROW CROPS
Potential Coc: , 30001, 30004, 30005, 30006, 30007, 30008, 30010, 30013, 30014, 30018, 30021, 30023
Potential Media Affected: NMA
Project Name: Parkwood Elementary School
Regulatory Agencies Involved: SMBRP
Restricted Use: NO
Senate: 14
Site Mgmt Req: NONE SPECIFIED
Acres: 16
Zip: 93637

2	1 of2	ESE	0.14 / 724.57	266.22 / 1	NELLO DELBONO 27463 AVE 13 MADERA CA 93637	HHSS

County: Madera
Tank Details Microfiche: http://geotracker.waterboards.ca.gov/ustpdfs/pdf/00028e93.pdf

---

2	2 of2	ESE	0.14 / 724.57	266.22 / 1	NELLO DELBONO 27463 AVE. 13 MADERA CA	HIST TANK

Owner Name: NELLO DELBONO
Owner Street: 27463 AVE. 13
Owner City: MADERA
Owner State: CA
Owner Zip: 93637
No of Containers: 2
County: MADERA
Facility State: CA
Facility Zip: 93637

3	1 of1	WSW	0.23 / 1,202.95	263.46 / -2	JD HOME RENTALS 27431 SAUNDERS ROAD MADERA CA 93637	RCRA NON GEN

Handler ID: CAC002987813
Generator Status: N
Recycler Activity?: NO
Recycler Activity Note: This facility has not been identified as a Recycler Facility from both the RCRA Handler and Biennial Report Modules.

Violation/Evaluation Summary

Note: NO RECORDS: As of Nov 2025, there are no Compliance Monitoring and Enforcement (violation) records associated with this facility (EPA ID).

Handler Summary

Importer: No
Mixed Waste Gen: No
Transporter: No
Transfer Facility: No
Recycler: No
Onsite Burner Exem: No
Furnace Exemption: No
Underground Injec: No
Used Oil Market Burner: No
Used Oil Spec Marketer: No
Used Oil Transpor: No
Used Oil Trans Fac: No
Used Oil Processor: No
Used Oil Refiner: No
Used Oil Burner: No
Commercial TSD: No
Recycl Nonstorage: No

Additional Handler Summary Details

Source Type:	I	***NAIC 1:***	56299
Seq No:	1	***NAIC 2:***	
Non Notifier:		***NAIC 3:***	
Receive Date:	20181104	***NAIC 4:***	
Active Site:	H----	***State:***	CA
Land Type:		***Location Latitude:***	36.937334
In Handler Univ:	Y	***Location Longitude:***	-120.048318
In A Universe:	Y	***Loc GIS Primary:***	N
Gen Status:	N	***Loc GIS Origin:***	AG
Report Cycle:		***State District Owner:***	
Accessibility:		***State District:***	
Region:	09		

Fed Waste Gen Owner:	HQ
State Waste Generator Owner:	CA
State Waste Generator:	2
Short Term Generator:	N
Uni Waste:	Y
Universal Waste Dest Facility:	Y
Federal Universal Waste:	N
As Federally Regulated Tsdf:	------
As Converter Tsdf:	------
As State Regulated Tsdf:	------
As State Regulated Handler:	---
Federal Indicator:	---
Hsm:	N
Subpart K:	----
GPRA Permit:	N
GPRA Renewal:	N
Permit Renewal Wrkld:	------
Permwrk ID:	------
Perm Prog:	------
Pcwrkld:	------
Closwrkld:	------
GPRA Ca:	N
Cawrkld:	N
Subjca Tsd Discretion:	N
NCAPS:	N
EC Indicator:	N
Ca725 Indicator:	N
Ca750 Indicator:	N
Operating Tsdf:	------
Full Enforcement:	------
Snc:	N
Unaddressed Snc:	N
Addressed Snc:	N
Snc With Comp Sched:	N
Fa Required:	-----
Hhandler Last Change:	20181120
Recognized Trader Importer:	N
Recognized Trader Exporter:	N
Slab Importer:	N
Slab Exporter:	N
Manifest Broker:	N
Subpart P:	N
Contact Language:	EN
Handler Name:	JD HOME RENTALS
Location Street No:	
Location Street1:	27431 SAUNDERS ROAD
Location Street2:	
Location City:	MADERA
Location State:	CA
Location Zip:	93637
Location County Code:	CA039
Location County Name:	MADERA
Location Country:	US
Contact Name:	MIGUES TORRES

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Contact Street No:
Contact Street1: 2945 EAST BELMONT AVENUE
Contact Street2:
Contact City: FRESNO
Contact State: CA
Contact Zip: 93701
Contact Country:
Contact Phone & Ext: 559-265-4466
Contact Fax:
Contact Email Address: BEVERLYPENDOLINO@ALLIANCE-ENVIRO.COM
Contact Title:
Owner Name: JD HOME RENTALS
Owner Type: O
Owner Seq: 1
Operator Name: MIGUES TORRES
Operator Type: O
Operator Seq: 2
Public Notes:

Contact DTSC for information.

Hazardous Waste Handler Details

Seq No: 1
Receive Date: 20181104
Handler Name: JD HOME RENTALS
Fed Waste Generator: N
Generator Code Description: Not a Generator, Verified
Source Type: Implementer
TSD Activity: N

Owner/Operator Details

Owner/Operator Ind: Current Operator
Type: Other
Name: MIGUES TORRES
Dt Became Current:
Dt Ended Current:
Phone: 559-265-4466
Source Type: Implementer
Street No:
Street1: 2945 EAST BELMONT AVENUE
Street2:
City: FRESNO
State: CA
Country:
Zip: 93701

Owner/Operator Ind: Current Owner
Type: Other
Name: JD HOME RENTALS
Dt Became Current:
Dt Ended Current:
Phone: 559-265-4466
Source Type: Implementer
Street No:
Street1: 2945 EAST BELMONT AVENUE
Street2:
City: FRESNO
State: CA
Country:
Zip: 93701

4	*1 of2*	*ENE*	*0.23 / 1,226.82*	*267.33 / 2*	***THEODORE R NASSAR*** ***13286 GOLDEN STATE BLVD.*** ***MADERA CA 93637***	***HHSS***

County: Madera
Tank Details Microfiche: http://geotracker.waterboards.ca.gov/ustpdfs/pdf/0002902e.pdf

---

4	*2 of2*	*ENE*	*0.23 / 1,226.82*	*267.33 / 2*	***THEODORE R. NASSAR*** ***13286 GOLDEN STATE BLVD.*** ***MADERA CA***	***HIST TANK***

Owner Name: THEODORE R. NASSAR
Owner Street: 13286 GOLDEN STATE BLVD.
Owner City: MADERA
No of Containers: 1
County: MADERA
Facility State: CA

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Owner State: CA
Owner Zip: 93637
Facility Zip: 93637

---

5 | **1 of8** | **N** | **0.25 / 1,294.39** | **266.63 / 1** | **MADERA COMMUNITY HOSPITAL**
1250 ALMOND AVE.
MADERA CA 93639 | **AST**

Total Capacity(Gal): 9,800
CUPA: Madera
Owner Name: MADERA COMMUNITY HOSPITAL
County: Madera

---

5 | **2 of8** | **N** | **0.25 / 1,294.39** | **266.63 / 1** | **MADERA COMMUNITY HOSPITAL**
1250 E ALMOND AVE
MADERA CA 93637 | **CERS TANK**

Site ID: 132286
Latitude: 36.945339
Longitude: -120.044617

Regulated Programs

EI ID: 10425703
EI Description: Hazardous Waste Generator

EI ID: 10425703
EI Description: Aboveground Petroleum Storage

Violations

Violation Date: 07/15/2014
Violation Source: CERS
Violation Program: APSA
Violation Division: Madera County Environmental Health
Citation: HSC 6.67 25270.4.5(a) - California Health and Safety Code, Chapter 6.67, Section(s) 25270.4.5(a)
Violation Notes:

Returned to compliance on 09/03/2014. 9,800 GALLON DIESEL TANK. SPCC PLAN NOT PREPARED

Violation Description:

Failure to prepare and implement a Spill Prevention Control and Countermeasure (SPCC) Plan .

Violations

Violation Date: 04/02/2015
Violation Source: CERS
Violation Program: HW
Violation Division: Madera County Environmental Health
Citation: HSC 6.5 25189.5(a) - California Health and Safety Code, Chapter 6.5, Section(s) 25189.5(a)
Violation Notes:

Returned to compliance on 04/27/2015. Alma Mendoza, Madera Community Hospital's Pharmacist, stated that individual blister pack that held Warfarin/Coumadin (P-listed pharmaceutical waste), are disposed in regular waste containers. MCEHD informed Alma Mendoza and Danny Esparza, Environmental Supervisor, that P-listed pharmaceutical waste containers (including blister packs) shall be managed as hazardous waste. Immediately discontinue disposing P-listed pharmaceutical waste to the trash. Submit statement to MCEHD demonstrating how RCRA pharmaceutical waste will be properly managed in the future.

Violation Description:

Failure to properly dispose of hazardous waste at an authorized location.

Violations

Violation Date: 09/28/2017
Violation Source: CERS
Violation Program: APSA
Violation Division: Madera County Environmental Health

Citation: HSC 6.67 25270.4.5(a) - California Health and Safety Code, Chapter 6.67, Section(s) 25270.4.5(a)
Violation Notes:

Returned to compliance on 09/28/2017. Failure to obtain facility management approval to fully implement the SPCC Plan. 40 CFR 112.7; HSC 6.67 25270.4.5(a)

Violation Description:

"Failure to prepare an SPCC Plan which fulfills all basic requirements that include:

1. The SPCC Plan must be prepared in accordance with good engineering practices.

2. Have full approval of management at a level of authority to commit the necessary resources to fully implement the SPCC Plan.

3. Prepare the SPCC Plan in writing.

4. Follow the sequence of the SPCC rule or include a cross-reference.

5. If the SPCC Plan calls for additional procedures, methods, or equipment not yet fully operational, discuss the items in separate paragraphs."

Violations

Violation Date: 09/28/2017 ***Violation Source:*** CERS
Violation Program: HW ***Violation Division:*** Madera County Environmental Health
Citation: 22 CCR 12 66262.34(e) - California Code of Regulations, Title 22, Chapter 12, Section(s) 66262.34(e)
Violation Notes:

Returned to compliance on 09/28/2017. Ensure start date are marked on satellite containers. See violation guide for requirements. Unmarked container observed in the Pharmacy. Corrected on site.

Violation Description:

Failed to meet the conditions of satellite accumulation regulations, including but not limited to the following:
• accumulate up to 55 gallons of hazardous waste or one quart of acute hazardous waste at or near the initial point of accumulation which was under the control of the operator
• the container must be clearly marked with the initial date that hazardous waste is first placed in the container and labelled with the words "Hazardous Waste" including specified information
• container must be labelled with the date the satellite accumulation limit is reached and moved within three days after reaching the 55 gallon (or one quart) limit to a "90 day" accumulation area
• 55 gallons (or one quart of acute hazardous waste) of waste per process may be accumulated
• Total time hazardous waste can be accumulated onsite in any generator accumulation area is one year, i.e., the combined accumulation time at a satellite accumulation point and at a 90/180/270 accumulation area (depending on size of generator and distance transported), whichever comes first.

Violations

Violation Date: 06/23/2017 ***Violation Source:*** CERS
Violation Program: HMRRP ***Violation Division:*** Madera County Environmental Health
Citation: HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Notes:

Returned to compliance on 07/03/2017.

Violation Description:

Failure to annually review and electronically certify that the business plan is complete and accurate on or before the annual due date.

Violations

Violation Date: 03/08/2018 ***Violation Source:*** CERS
Violation Program: APSA ***Violation Division:*** Madera County Environmental Health
Citation: HSC 6.67 25270.4.5 (a) - California Health and Safety Code, Chapter 6.67, Section(s) 25270.4.5 (a)
Violation Notes:

Returned to compliance on 07/30/2018.

Violation Description:

Failure of the owner or operator to ensure a professional engineer makes all required attestations in the SPCC Plan.

Violations

Violation Date: 11/08/2014 ***Violation Source:*** CERS
Violation Program: HW ***Violation Division:*** Madera County Environmental Health
Citation: 22 CCR 12 66262.23(a)(4) - California Code of Regulations, Title 22, Chapter 12, Section(s) 66262.23(a)(4)
Violation Notes:

Returned to compliance on 04/30/2015. MANIFEST 007906393 NOT MAILED TO DTSC. PROVIDE DTSC COMPLETED MANIFEST. NOTIFY ENVIRONMENTAL HEALTH WHEN COMPLETE.

Violation Description:

Failure to send hazardous waste manifest copies to DTSC.

Violations

Violation Date: 05/04/2022 ***Violation Source:*** CERS
Violation Program: APSA ***Violation Division:*** Madera County Environmental Health
Citation: HSC 6.67 25270.4.5(a) - California Health and Safety Code, Chapter 6.67, Section(s) 25270.4.5(a)
Violation Notes:

Returned to compliance on 06/01/2022. OBSERVATION: Failure to conduct spill prevention briefings at least once a year, or failure to highlight or describe one or more of the following: Known discharges or failures; Malfunctioning components; Recently developed precautionary measures. CORRECTIVE ACTION: Conduct spill prevention briefings annually. Provide proof of spill prevention briefings to Madera County Environmental Health Division.

Violation Description:

Failure to conduct spill prevention briefing for oil-handling personnel at least once a year to assure adequate understanding of the SPCC Plan.

Violations

Violation Date: 07/15/2014 ***Violation Source:*** CERS
Violation Program: APSA ***Violation Division:*** Madera County Environmental Health
Citation: HSC 6.67 Multiple - California Health and Safety Code, Chapter 6.67, Section(s) Multiple
Violation Notes:

Returned to compliance on 09/03/2014. SPCC PLAN NOT PREPARED

Violation Description:

APSA Program - Administration/Documentation - General

Violations

Violation Date: 03/08/2018 ***Violation Source:*** CERS
Violation Program: APSA ***Violation Division:*** Madera County Environmental Health
Citation: HSC 6.67 25270.4.5(a) - California Health and Safety Code, Chapter 6.67, Section(s) 25270.4.5(a)
Violation Notes:

Returned to compliance on 07/30/2018.

Violation Description:

Failure to adequately describe in the SPCC Plan, overfill prevention methods, including a description of the devices or systems in place for each container to prevent overfills.

Violations

Violation Date: 03/08/2018 ***Violation Source:*** CERS
Violation Program: APSA ***Violation Division:*** Madera County Environmental Health
Citation: HSC 6.67 25270.4.5(a) - California Health and Safety Code, Chapter 6.67, Section(s) 25270.4.5(a)
Violation Notes:

Returned to compliance on 07/30/2018. No discussion in the SPCC plan on material and construction of all containers and compatibility with the material stored

Violation Description:

Failure to use containers with material and construction compatible with material stored and conditions of storage such as pressure and temperature.

Violations

Violation Date: 03/08/2018 ***Violation Source:*** CERS
Violation Program: APSA ***Violation Division:*** Madera County Environmental Health
Citation: HSC 6.67 25270.4.5(a) - California Health and Safety Code, Chapter 6.67, Section(s) 25270.4.5(a)
Violation Notes:

Returned to compliance on 07/30/2018.

Violation Description:

"Failure to test or inspect each aboveground container for integrity based on industry standards as discussed in the SPCC Plan:
1. On a regular schedule.
2. After making material repairs.
3. Use non-destructive testing.
4. Inspect each container's supports, foundations, and outside for signs of deterioration, discharges, or accumulation of oil inside diked areas."

Violations

Violation Date: 03/08/2018 ***Violation Source:*** CERS
Violation Program: APSA ***Violation Division:*** Madera County Environmental Health
Citation: HSC 6.67 25270.4.5(a) - California Health and Safety Code, Chapter 6.67, Section(s) 25270.4.5(a)
Violation Notes:

Returned to compliance on 07/30/2018.

Violation Description:

Failure to adequately discuss in the SPCC Plan all applicable bulk storage containers, including compatibility with material stored and conditions of storage, and description of sized secondary containment capable of containing the largest single container and sufficient freeboard to contain precipitation.

Violations

Violation Date: 07/15/2014 ***Violation Source:*** CERS
Violation Program: APSA ***Violation Division:*** Madera County Environmental Health
Citation: HSC 6.67 Multiple - California Health and Safety Code, Chapter 6.67, Section(s) Multiple
Violation Notes:

Returned to compliance on 10/15/2014. OVERFILL PREVENTION PROCEDURE PROVIDED BY MONITORING VEEDER ROOT SYSTEM AND OPERATOR ORDERING SET QUANTITY FOR FILL UP. WRITTEN PROCEDURE SHOULD BE PROVIDED.

Violation Description:

APSA Program - Administration/Documentation - General

Violations

Violation Date: 09/03/2014 ***Violation Source:*** CERS
Violation Program: APSA ***Violation Division:*** Madera County Environmental Health
Citation: HSC 6.67 25270.4.5(a) - California Health and Safety Code, Chapter 6.67, Section(s) 25270.4.5(a)
Violation Notes:

Returned to compliance on 10/15/2014.

Violation Description:

Failure to describe in your SPCC Plan how you secure and control access to the oil handling, processing and storage areas; secure master flow and drain valves; prevent unauthorized access to starter controls on oil pumps; secure out-of-service and loading/unloading connections of oil pipelines; and address the appropriateness of security lighting to both prevent acts of vandalism and assist in the discovery of oil discharges.

Violations

Violation Date: 09/03/2014 ***Violation Source:*** CERS
Violation Program: APSA ***Violation Division:*** Madera County Environmental Health
Citation: HSC 6.67 25270.4.5(a) - California Health and Safety Code, Chapter 6.67, Section(s) 25270.4.5(a)
Violation Notes:

Returned to compliance on 10/15/2014. SPCC PLAN DOES NOT INCLUDE THE REQUIREMENT FOR TRAINING FOR OIL-HANDLING PERSONNEL IN THE OPERATION AND MAINTENANCE OF EQUIPMENT TO PREVENT DISCHARGE; DISCHARGE PROTOCOL; APPLICABLE POLLUTION CONTROL LAWS, RULES, AND REGULATIONS; GENERAL FACILITY OPERATIONS;AND, THE CONTENTS OF THE FACILITY SPCC PLAN AT LEAST ONCE A YEAR

Violation Description:

Failure to provide training regarding:
1. The operation and maintenance of equipment to prevent discharges.
2. Discharge procedure protocols.
3. Applicable pollution control laws, rules, and regulations.
4. General facility operations. AND
5. The contents of the SPCC Plan.

Violations

Violation Date: 04/28/2021 ***Violation Source:*** CERS
Violation Program: HMRRP ***Violation Division:*** Madera County Environmental Health
Citation: HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Notes:

Returned to compliance on 07/02/2021. Facility failed to submit a full electronic hazardous material business plan to CERS. Submit full hazardous material business plan to CERS within 30 days for corrective action.

Violation Description:

Failure to complete and electronically submit a business plan when storing/handling a hazardous material at or above reportable quantities.

Violations

Violation Date: 09/03/2014 ***Violation Source:*** CERS
Violation Program: APSA ***Violation Division:*** Madera County Environmental Health
Citation: HSC 6.67 25270.4.5(a) - California Health and Safety Code, Chapter 6.67, Section(s) 25270.4.5(a)
Violation Notes:

Returned to compliance on 10/15/2014.

Violation Description:

Failure to test or inspect aboveground tanks for integrity by a person qualified in accordance with industry standards.

Violations

Violation Date: 03/08/2018 ***Violation Source:*** CERS
Violation Program: APSA ***Violation Division:*** Madera County Environmental Health
Citation: HSC 6.67 25270.4.5(a) - California Health and Safety Code, Chapter 6.67, Section(s) 25270.4.5(a)
Violation Notes:

Returned to compliance on 07/30/2018.

Violation Description:

"Failure to prepare an SPCC Plan which fulfills all basic requirements that include:

1. The SPCC Plan must be prepared in accordance with good engineering practices.

2. Have full approval of management at a level of authority to commit the necessary resources to fully implement the SPCC Plan.

3. Prepare the SPCC Plan in writing.

4. Follow the sequence of the SPCC rule or include a cross-reference.

5. If the SPCC Plan calls for additional procedures, methods, or equipment not yet fully operational, discuss the items in separate paragraphs."

Violations

Violation Date: 07/15/2014 ***Violation Source:*** CERS
Violation Program: HMRRP ***Violation Division:*** Madera County Environmental Health
Citation: HSC 6.95 25508(d) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(d)
Violation Notes:

Returned to compliance on 09/02/2014. HAZARDOUS MATERIAL BUSINESS PLAN SUBMITTED IN CERS INCOMPLETE FOR EARTHQUAKE VULNERNABILITY AND PROPER NOTIFICATION. OPERATOR WAS GIVEN A COPY OF CERS CONSOLIDATED EMERGENCY RESPONSE PLAN. OPERATOR MAY USE THIS PLAN. SUBMIT COMPLETED BUSINESS PLAN IN CERS.

Violation Description:

Failure to complete and/or electronically submit a business plan when storing/handling a hazardous material at or above reportable quantities.

Violations

Violation Date: 09/03/2014 ***Violation Source:*** CERS
Violation Program: APSA ***Violation Division:*** Madera County Environmental Health
Citation: HSC 6.67 25270.4.5(a) - California Health and Safety Code, Chapter 6.67, Section(s) 25270.4.5(a)
Violation Notes:

Returned to compliance on 10/14/2014. Written procedure for conducting inspections and test not available for review

Violation Description:

Failure to comply with all of the following requirements:
1. Failure to conduct inspections and tests in accordance with written procedures that you or a certifying engineer have developed for the facility.
2. Failure to sign written procedures and/or a record of inspections and/or customary business records by the appropriate supervisor or inspector.
3. Failure to keep written procedures and/or a record of inspections and/or customary business records with the plan. AND
4. Failure to maintain written procedures and/or a record of inspections and/or customary business records for three years.

Violations

Violation Date: 09/03/2014 ***Violation Source:*** CERS
Violation Program: APSA ***Violation Division:*** Madera County Environmental Health
Citation: HSC 6.67 25270.4.5(a) - California Health and Safety Code, Chapter 6.67, Section(s) 25270.4.5(a)
Violation Notes:

Returned to compliance on 10/15/2014. 1.SPCC plan does not include description for methods of disposal of recovered material in accordance with applicable legal requirements (CFR 112.7(a)(3)(v)) 2. SPCC contact list and phone number not complete for cleanup contractor and UPA (CFR 112.7(a)

(3)(vi))

Violation Description:

Failure to adequately discuss the facility transfer operations, pumping, and facility process within the SPCC plan.

Violations

Violation Date: 09/03/2014 ***Violation Source:*** CERS
Violation Program: APSA ***Violation Division:*** Madera County Environmental Health
Citation: HSC 6.67 Multiple - California Health and Safety Code, Chapter 6.67, Section(s) Multiple
Violation Notes:

Returned to compliance on 10/15/2014. SPCC plan does not include prediction of rate of flow as a result of each type of major equipment failure

Violation Description:

APSA Program - Administration/Documentation - General

Violations

Violation Date: 05/04/2022 ***Violation Source:*** CERS
Violation Program: APSA ***Violation Division:*** Madera County Environmental Health
Citation: HSC 6.67 25270.4.5(a) - California Health and Safety Code, Chapter 6.67, Section(s) 25270.4.5(a)
Violation Notes:

Returned to compliance on 06/01/2022. OBSERVATION: Failure to ensure that tanks are inspected and tested by an appropriately qualified person in accordance with industry standards. SPCC Plan calls out "SP001 Annual Inspection Checklist" to be conducted annually, documented, and retained for at least 3 years. SPCC Plan claims that if AST #2 & #3 are not going to be replaced to perform "Monthly STI SP001 Checklist" & "Annual STI SP001 Checklist", formal external inspection by a certified tank inspector every 10 years, and leak test every 10 years by a certified tank integrity tester. CORRECTIVE ACTION: Ensure that tanks are inspected and tested by an appropriately qualified person in accordance with industry standards. Provide documentation proving that a monthly and annual STI SP001 checklist has been performed for AST #1, AST #2, & AST #3. Provide proof of formal external inspection by a certified tank inspector and leak test by a certified tank integrity tester for AST #2 & AST #3.

Violation Description:

Failure to ensure that tanks are inspected and tested by an appropriately qualified person in accordance with industry standards.

Violations

Violation Date: 03/19/2024 ***Violation Source:*** CERS
Violation Program: HMRRP ***Violation Division:*** Madera County Environmental Health
Citation: HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Notes:

Returned to compliance on 03/20/2024.

Violation Description:

Failure to complete and electronically submit a business plan when storing/handling a hazardous material at or above reportable quantities.

Violations

Violation Date: 09/03/2014 ***Violation Source:*** CERS
Violation Program: APSA ***Violation Division:*** Madera County Environmental Health
Citation: HSC 6.67 25270.4.5(a) - California Health and Safety Code, Chapter 6.67, Section(s) 25270.4.5(a)
Violation Notes:

Returned to compliance on 10/15/2014. SPCC plan does not designate a person who is accountable for discharge prevention and who reports to facility management

Violation Description:

Failure to designate a person accountable for discharge prevention and who reports to facility management.

Violations

Violation Date: 09/28/2017 ***Violation Source:*** CERS
Violation Program: APSA ***Violation Division:*** Madera County Environmental Health
Citation: HSC 6.67 25270.4.5(a) - California Health and Safety Code, Chapter 6.67, Section(s) 25270.4.5(a)
Violation Notes:

Returned to compliance on 07/30/2018. Plan does not discuss inspection/test required in accordance with industry standards. Provide discussion on industry standard used to determine required test/inspections. Submit documentation.

Violation Description:

Failure to ensure that tanks are inspected and tested by an appropriately qualified person in accordance with industry standards.

Violations

Violation Date: 11/08/2014 ***Violation Source:*** CERS
Violation Program: HW ***Violation Division:*** Madera County Environmental Health
Citation: 22 CCR 12 66262.42 - California Code of Regulations, Title 22, Chapter 12, Section(s) 66262.42
Violation Notes:

Returned to compliance on 04/30/2016.

Violation Description:

Failure to complete the uniform hazardous waste manifest exception requirements.

Enforcements

Enf Action Date: 03/19/2024 ***Enf Action Program:*** HMRRP
Enf Action Type: Notice of Violation (Unified Program) ***Enf Action Source:*** CERS
Enf Action Division: Madera County Environmental Health
Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes:

Enf Action Date: 07/15/2014 ***Enf Action Program:*** APSA
Enf Action Type: Notice of Violation (Unified Program) ***Enf Action Source:*** CERS
Enf Action Division: Madera County Environmental Health
Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes:

Enf Action Date: 04/28/2021 ***Enf Action Program:*** HMRRP
Enf Action Type: Notice of Violation (Unified Program) ***Enf Action Source:*** CERS
Enf Action Division: Madera County Environmental Health
Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes:

Enf Action Date: 03/08/2018 ***Enf Action Program:*** APSA
Enf Action Type: Notice of Violation (Unified Program) ***Enf Action Source:*** CERS
Enf Action Division: Madera County Environmental Health
Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes:

Enf Action Date: 04/02/2015 ***Enf Action Program:*** HW
Enf Action Type: Notice of Violation (Unified Program) ***Enf Action Source:*** CERS
Enf Action Division: Madera County Environmental Health
Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection

Enf Action Notes:

Enf Action Date: 05/04/2022 ***Enf Action Program:*** APSA
Enf Action Type: Notice of Violation (Unified Program) ***Enf Action Source:*** CERS
Enf Action Division: Madera County Environmental Health
Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes:

Enf Action Date: 07/15/2014 ***Enf Action Program:*** HMRRP
Enf Action Type: Notice of Violation (Unified Program) ***Enf Action Source:*** CERS
Enf Action Division: Madera County Environmental Health
Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes:

Enf Action Date: 09/03/2014 ***Enf Action Program:*** APSA
Enf Action Type: Notice of Violation (Unified Program) ***Enf Action Source:*** CERS
Enf Action Division: Madera County Environmental Health
Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes:

Enf Action Date: 09/28/2017 ***Enf Action Program:*** HW
Enf Action Type: Notice of Violation (Unified Program) ***Enf Action Source:*** CERS
Enf Action Division: Madera County Environmental Health
Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes:

Enf Action Date: 04/10/2015 ***Enf Action Program:*** HW
Enf Action Type: Notice of Violation (Unified Program) ***Enf Action Source:*** CERS
Enf Action Division: Madera County Environmental Health
Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes:

Enf Action Date: 09/28/2017 ***Enf Action Program:*** APSA
Enf Action Type: Notice of Violation (Unified Program) ***Enf Action Source:*** CERS
Enf Action Division: Madera County Environmental Health
Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes:

Evaluations

Eval Date: 06/23/2017
Violations Found: Yes
Eval General Type: Other/Unknown
Eval Type: Other, not routine, done by local agency
Eval Division: Madera County Environmental Health
Eval Program: HMRRP
Eval Source: CERS
Eval Notes:

Eval Date: 04/28/2021
Violations Found: Yes
Eval General Type: Other/Unknown
Eval Type: Other, not routine, done by local agency
Eval Division: Madera County Environmental Health
Eval Program: HMRRP
Eval Source: CERS
Eval Notes:

Eval Date: 03/08/2018
Violations Found: Yes

Eval General Type: Other/Unknown
Eval Type: Other, not routine, done by local agency
Eval Division: Madera County Environmental Health
Eval Program: APSA
Eval Source: CERS
Eval Notes:

Eval Date: 04/02/2015
Violations Found: Yes
Eval General Type: Other/Unknown
Eval Type: Other, not routine, done by local agency
Eval Division: Madera County Environmental Health
Eval Program: HW
Eval Source: CERS
Eval Notes:

INSPECTION IS A FOLLOW-UP TO THE ROUTINE INSPECTION ON 9/3/2014. ON 9/3/2014, OBSERVED HAZARDOUS WASTE ACCUMULATED ONSITE. FACILITY OPERATOR INDICATED THE WASTE WAS PICKED UP 9/8/2014. RECORDS ON DTSC HAZARDOUS WASTE TRACKING WAS NOT FOUND.; Note: data in [EVAL Notes] field for some records is truncated from the source.

Eval Date: 12/04/2017
Violations Found: No
Eval General Type: Other/Unknown
Eval Type: Other, not routine, done by local agency
Eval Division: Madera County Environmental Health
Eval Program: APSA
Eval Source: CERS
Eval Notes:

Eval Date: 09/28/2017
Violations Found: No
Eval General Type: Compliance Evaluation Inspection
Eval Type: Routine done by local agency
Eval Division: Madera County Environmental Health
Eval Program: HMRRP
Eval Source: CERS
Eval Notes:

Eval Date: 09/28/2017
Violations Found: Yes
Eval General Type: Compliance Evaluation Inspection
Eval Type: Routine done by local agency
Eval Division: Madera County Environmental Health
Eval Program: HW
Eval Source: CERS
Eval Notes:

Eval Date: 07/15/2014
Violations Found: Yes
Eval General Type: Compliance Evaluation Inspection
Eval Type: Routine done by local agency
Eval Division: Madera County Environmental Health
Eval Program: HMRRP
Eval Source: CERS
Eval Notes:

Eval Date: 09/28/2017
Violations Found: Yes
Eval General Type: Compliance Evaluation Inspection
Eval Type: Routine done by local agency
Eval Division: Madera County Environmental Health
Eval Program: APSA
Eval Source: CERS
Eval Notes:

Eval Date: 09/03/2014
Violations Found: Yes
Eval General Type: Other/Unknown
Eval Type: Other, not routine, done by local agency
Eval Division: Madera County Environmental Health
Eval Program: APSA
Eval Source: CERS
Eval Notes:

Eval Date: 05/04/2022
Violations Found: Yes
Eval General Type: Compliance Evaluation Inspection
Eval Type: Routine done by local agency
Eval Division: Madera County Environmental Health
Eval Program: APSA
Eval Source: CERS
Eval Notes:

*5 year review is due 7/30/23 * No other violations observed; Note: data in [EVAL Notes] field for some records is truncated from the source.

Eval Date: 07/15/2014
Violations Found: Yes
Eval General Type: Compliance Evaluation Inspection
Eval Type: Routine done by local agency
Eval Division: Madera County Environmental Health
Eval Program: APSA
Eval Source: CERS
Eval Notes:

Eval Date: 07/15/2014
Violations Found: No
Eval General Type: Compliance Evaluation Inspection
Eval Type: Routine done by local agency
Eval Division: Madera County Environmental Health
Eval Program: HW
Eval Source: CERS
Eval Notes:

Eval Date: 03/19/2024
Violations Found: Yes
Eval General Type: Other/Unknown
Eval Type: Other, not routine, done by local agency
Eval Division: Madera County Environmental Health
Eval Program: HMRRP
Eval Source: CERS
Eval Notes:

Affiliations

Affil Type Desc: CUPA District
Entity Name: Madera County Env Health
Entity Title:
Address: 200 W. 4th StreetSuite 3100
City: Madera
State: CA
Country:
Zip Code: 93637
Phone: (559) 675-7823

Affil Type Desc: Operator
Entity Name: MADERA COMMUNITY HOSPITAL
Entity Title:

Address:
City:
State:
Country:
Zip Code:
Phone: (559) 675-5555

Affil Type Desc: Facility Mailing Address
Entity Name: Mailing Address
Entity Title:
Address: 1250 E. ALMOND AVE.
City: MADERA
State: CA
Country:
Zip Code: 93637
Phone:

Affil Type Desc: Parent Corporation
Entity Name: MADERA COMMUNITY HOSPITAL
Entity Title:
Address:
City:
State:
Country:
Zip Code:
Phone:

Affil Type Desc: Document Preparer
Entity Name: AARON VELARDE
Entity Title:
Address:
City:
State:
Country:
Zip Code:
Phone:

Affil Type Desc: Property Owner
Entity Name: MADERA COMMUNITY HOSPITAL
Entity Title:
Address: 1250 E. ALMOND AVE.
City: MADERA
State: CA
Country: United States
Zip Code: 93637
Phone: (559) 675-5555

Affil Type Desc: Identification Signer
Entity Name: AARON VELARDE
Entity Title: FACILITY DIRECTOR
Address:
City:
State:
Country:
Zip Code:
Phone:

Affil Type Desc: Environmental Contact
Entity Name: AARON VELARDE
Entity Title:
Address: 1250 E ALMOND
City: MADERA
State: CA
Country:
Zip Code: 93637
Phone:

Affil Type Desc: Legal Owner
Entity Name: MADERA COMMUNITY HOSPITAL

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Entity Title:
Address: 1250 E. ALMOND AVE.
City: MADERA
State: CA
Country: United States
Zip Code: 93637
Phone: (559) 675-5555

Coordinates

Env Int Type Code: HWG
Program ID: 10425703
Latitude: 36.945340
Longitude: -120.044620
Coord Name:
Ref Point Type Desc: Center of a facility or station.

5	3 of8	N	0.25 / 1,294.39	266.63 / 1	MADERA COMMUNITY HOSPITAL 1250 E ALMOND AVE MADERA CA	CUPA MADERA

Facility ID: FA0100419
Account Status: 01
Owner Name: MADERA COMMUNITY HOSPITAL
Phone: 5596755555
CUPA Report Type: Active HM Facilities Inactive HM Facilities

Details

Program Element: 2208
PE Description: Haz Waste CESQG-0 to 99 kg/mo. w/Bus. Plan
Record ID: PR0006401
Current Status: 01

Program Element: 2112
PE Description: Hazardous Material Handler - Range 2
Record ID: PR0003546
Current Status: 01

Program Element: 2346
PE Description: APSA- 10,000 TO 100,000 GAL.
Record ID: PR0006947
Current Status: 01

Program Element: 2300
PE Description: General UST Tank Facility
Record ID: PR0000469
Current Status: 02

Program Element: 2167
PE Description: Haz Mat Inventory- EHS - Non CALARP
Record ID: PR0006836
Current Status: 02

5	4 of8	N	0.25 / 1,294.39	266.63 / 1	MADERA COMMUNITY HOSPITAL 1250 E ALMOND AVE MADERA CA 93639	EMISSIONS

1995 Criteria Data

Facility ID: 803
Facility SIC Code: 8062
CO: 20
Air Basin: SJV
District: SJU
COID: MAD
CERR Code:
TOGT: 0
ROGT: 0
COT: .1
NOXT: .5
SOXT: 0

DISN:	SAN JOAQUIN VALLEY APCD	**PMT:**	.1
CHAPIS:		**PM10T:**	.1

1995 Toxic Data

Facility ID:	803	**COID:**	MAD
Facility SIC Code:	8062	**DISN:**	SAN JOAQUIN VALLEY APCD
CO:	20	**CHAPIS:**	
Air Basin:	SJV	**CERR Code:**	
District:	SJU		
TS:			
Health Risk Asmt:			
Non-Cancer Chronic Haz Ind:			
Non-Cancer Acute Haz Ind:			

1996 Criteria Data

Facility ID:	803	**CERR Code:**	
Facility SIC Code:	8062	**TOGT:**	0
CO:	20	**ROGT:**	0
Air Basin:	SJV	**COT:**	.1
District:	SJU	**NOXT:**	.5
COID:	MAD	**SOXT:**	0
DISN:	SAN JOAQUIN VALLEY APCD	**PMT:**	.1
CHAPIS:		**PM10T:**	.1

1996 Toxic Data

Facility ID:	803	**COID:**	MAD
Facility SIC Code:	8062	**DISN:**	SAN JOAQUIN VALLEY APCD
CO:	20	**CHAPIS:**	
Air Basin:	SJV	**CERR Code:**	
District:	SJU		
TS:			
Health Risk Asmt:			
Non-Cancer Chronic Haz Ind:			
Non-Cancer Acute Haz Ind:			

1997 Criteria Data

Facility ID:	803	**CERR Code:**	
Facility SIC Code:	8062	**TOGT:**	0
CO:	20	**ROGT:**	0
Air Basin:	SJV	**COT:**	.1
District:	SJU	**NOXT:**	.5
COID:	MAD	**SOXT:**	0
DISN:	SAN JOAQUIN VALLEY APCD	**PMT:**	.1
CHAPIS:		**PM10T:**	.1

1997 Toxic Data

Facility ID:	803	**COID:**	MAD
Facility SIC Code:	8062	**DISN:**	SAN JOAQUIN VALLEY APCD
CO:	20	**CHAPIS:**	
Air Basin:	SJV	**CERR Code:**	
District:	SJU		
TS:			
Health Risk Asmt:			
Non-Cancer Chronic Haz Ind:			
Non-Cancer Acute Haz Ind:			

1998 Criteria Data

Facility ID:	803	**CERR Code:**	
Facility SIC Code:	8062	**TOGT:**	0
CO:	20	**ROGT:**	0
Air Basin:	SJV	**COT:**	.1
District:	SJU	**NOXT:**	.5
COID:	MAD	**SOXT:**	0
DISN:	SAN JOAQUIN VALLEY APCD	**PMT:**	.1
CHAPIS:		**PM10T:**	.039

1998 Toxic Data

Facility ID:	803	**COID:**	MAD
Facility SIC Code:	8062	**DISN:**	SAN JOAQUIN VALLEY APCD
CO:	20	**CHAPIS:**	
Air Basin:	SJV	**CERR Code:**	
District:	SJU		
TS:			
Health Risk Asmt:			
Non-Cancer Chronic Haz Ind:			
Non-Cancer Acute Haz Ind:			

1999 Criteria Data

Facility ID:	803	**CERR Code:**	
Facility SIC Code:	8062	**TOGT:**	0
CO:	20	**ROGT:**	0
Air Basin:	SJV	**COT:**	.1
District:	SJU	**NOXT:**	.5
COID:	MAD	**SOXT:**	0
DISN:	SAN JOAQUIN VALLEY APCD	**PMT:**	.1
CHAPIS:		**PM10T:**	.039

1999 Toxic Data

Facility ID:	803	**COID:**	MAD
Facility SIC Code:	8062	**DISN:**	SAN JOAQUIN VALLEY APCD
CO:	20	**CHAPIS:**	
Air Basin:	SJV	**CERR Code:**	
District:	SJU		
TS:			
Health Risk Asmt:			
Non-Cancer Chronic Haz Ind:			
Non-Cancer Acute Haz Ind:			

2000 Criteria Data

Facility ID:	803	**CERR Code:**	
Facility SIC Code:	8062	**TOGT:**	.0912247
CO:	20	**ROGT:**	.0576
Air Basin:	SJV	**COT:**	.380065
District:	SJU	**NOXT:**	1.940715
COID:	MAD	**SOXT:**	.0281
DISN:	SAN JOAQUIN VALLEY APCD	**PMT:**	.056626
CHAPIS:		**PM10T:**	.0538

2000 Toxic Data

Facility ID:	803	**COID:**	MAD
Facility SIC Code:	8062	**DISN:**	SAN JOAQUIN VALLEY APCD
CO:	20	**CHAPIS:**	
Air Basin:	SJV	**CERR Code:**	
District:	SJU		

TS:
Health Risk Asmt:
Non-Cancer Chronic Haz Ind:
Non-Cancer Acute Haz Ind:

2001 Criteria Data

Facility ID:	803	**CERR Code:**	
Facility SIC Code:	8062	**TOGT:**	.08
CO:	20	**ROGT:**	.07
Air Basin:	SJV	**COT:**	.28
District:	SJU	**NOXT:**	1.33
COID:	MAD	**SOXT:**	.1
DISN:	SAN JOAQUIN VALLEY APCD	**PMT:**	.08
CHAPIS:		**PM10T:**	.08

2001 Toxic Data

Facility ID:	803	**COID:**	MAD
Facility SIC Code:	8062	**DISN:**	SAN JOAQUIN VALLEY APCD
CO:	20	**CHAPIS:**	
Air Basin:	SJV	**CERR Code:**	
District:	SJU		

TS:
Health Risk Asmt:
Non-Cancer Chronic Haz Ind:
Non-Cancer Acute Haz Ind:

2002 Criteria Data

Facility ID:	803	**CERR Code:**	
Facility SIC Code:	8062	**TOGT:**	. 0492168602844508186924823712202701087607
CO:	20	**ROGT:**	.04141
Air Basin:	SJV	**COT:**	.15
District:	SJU	**NOXT:**	.77
COID:	MAD	**SOXT:**	.04
DISN:	SAN JOAQUIN VALLEY APCD	**PMT:**	.04
CHAPIS:		**PM10T:**	.03904

2002 Toxic Data

Facility ID:	803	**COID:**	MAD
Facility SIC Code:	8062	**DISN:**	SAN JOAQUIN VALLEY APCD
CO:	20	**CHAPIS:**	
Air Basin:	SJV	**CERR Code:**	
District:	SJU		

TS:
Health Risk Asmt:
Non-Cancer Chronic Haz Ind:
Non-Cancer Acute Haz Ind:

2008 Criteria Data

Facility ID:	803	**CERR Code:**	
Facility SIC Code:	8062	**TOGT:**	. 0227937597506099234528391607710628313154
CO:	20	**ROGT:**	.0203726845301687714
Air Basin:	SJV	**COT:**	.04521220075935121
District:	SJU	**NOXT:**	.1134192058295011804
COID:	MAD	**SOXT:**	.00010932965188845992

DISN:	SAN JOAQUIN VALLEY APCD	**PMT:**	.00576535006221689442295081967213114754 0984
CHAPIS:		**PM10T:**	.0056274680927395848

2008 Toxic Data

Facility ID:	803	**COID:**	MAD
Facility SIC Code:	8062	**DISN:**	SAN JOAQUIN VALLEY APCD
CO:	20	**CHAPIS:**	
Air Basin:	SJV	**CERR Code:**	
District:	SJU		
TS:			
Health Risk Asmt:			
Non-Cancer Chronic Haz Ind:			
Non-Cancer Acute Haz Ind:			

2009 Criteria Data

Facility ID:	803	**CERR Code:**	
Facility SIC Code:	8062	**TOGT:**	.02279375975060992345283916077106283131 54
CO:	20	**ROGT:**	.0203726845301687714
Air Basin:	SJV	**COT:**	.04521220075935121
District:	SJU	**NOXT:**	.1134192058295011804
COID:	MAD	**SOXT:**	.00010932965188845992
DISN:	SAN JOAQUIN VALLEY APCD	**PMT:**	.00576535006221689442295081967213114754 0984
CHAPIS:		**PM10T:**	.0056274680927395848

2009 Toxic Data

Facility ID:	803	**COID:**	MAD
Facility SIC Code:	8062	**DISN:**	SAN JOAQUIN VALLEY APCD
CO:	20	**CHAPIS:**	
Air Basin:	SJV	**CERR Code:**	
District:	SJU		
TS:			
Health Risk Asmt:			
Non-Cancer Chronic Haz Ind:			
Non-Cancer Acute Haz Ind:			

2010 Toxic Data

Facility ID:	803	**COID:**	MAD
Facility SIC Code:	8062	**DISN:**	SAN JOAQUIN VALLEY APCD
CO:	20	**CHAPIS:**	
Air Basin:	SJV	**CERR Code:**	
District:	SJU		
TS:			
Health Risk Asmt:			
Non-Cancer Chronic Haz Ind:			
Non-Cancer Acute Haz Ind:			

2011 Criteria Data

Facility ID:	803	**CERR Code:**	
Facility SIC Code:	8062	**TOGT:**	.01943769536576733118202462053304649217 16
CO:	20	**ROGT:**	.016263519712537526

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Air Basin:	SJV	**COT:**	.097710405670106353
District:	SJU	**NOXT:**	.28089012023881045
COID:	MAD	**SOXT:**	.00022895183269679556
DISN:	SAN JOAQUIN VALLEY APCD	**PMT:**	.01325336227224010245901639344262295081 97
CHAPIS:		**PM10T:**	.01293528157770634

2011 Toxic Data

Facility ID:	803	**COID:**	MAD
Facility SIC Code:	8062	**DISN:**	SAN JOAQUIN VALLEY APCD
CO:	20	**CHAPIS:**	
Air Basin:	SJV	**CERR Code:**	
District:	SJU		
TS:			
Health Risk Asmt:			
Non-Cancer Chronic Haz Ind:			
Non-Cancer Acute Haz Ind:			

2012 Criteria Data

Facility ID:	803	**CERR Code:**	
Facility SIC Code:	8062	**TOGT:**	.10169003025753401458109238675749970120 71
CO:	20	**ROGT:**	.08508404831647871
Air Basin:	SJV	**COT:**	.2433883951306345
District:	SJU	**NOXT:**	1.376754772338868
COID:	MAD	**SOXT:**	.001862313962697986
DISN:	SAN JOAQUIN VALLEY APCD	**PMT:**	.02857315516374152663934426229508196721 31
CHAPIS:		**PM10T:**	.02788739943981173

2012 Toxic Data

Facility ID:	803	**COID:**	MAD
Facility SIC Code:	8062	**DISN:**	SAN JOAQUIN VALLEY APCD
CO:	20	**CHAPIS:**	
Air Basin:	SJV	**CERR Code:**	
District:	SJU		
TS:			
Health Risk Asmt:			
Non-Cancer Chronic Haz Ind:			
Non-Cancer Acute Haz Ind:			

2013 Criteria Data

Facility ID:	803	**CERR Code:**	
Facility SIC Code:	8062	**TOGT:**	.01253044963005122367672168468981217985 21
CO:	20	**ROGT:**	.011008
Air Basin:	SJV	**COT:**	.03234
District:	SJU	**NOXT:**	.185263203
COID:	MAD	**SOXT:**	.0002488
DISN:	SAN JOAQUIN VALLEY APCD	**PMT:**	.00384528688524590163934426229508196721 3114
CHAPIS:		**PM10T:**	.003753

2013 Toxic Data

Facility ID: 803
Facility SIC Code: 8062
CO: 20
Air Basin: SJV
District: SJU
TS:
Health Risk Asmt:
Non-Cancer Chronic Haz Ind:
Non-Cancer Acute Haz Ind:
COID: MAD
DISN: SAN JOAQUIN VALLEY APCD
CHAPIS:
CERR Code:

2014 Criteria Data

Facility ID: 803
Facility SIC Code: 8062
CO: 20
Air Basin: SJV
District: SJU
COID: MAD
DISN: SAN JOAQUIN VALLEY APCD
CHAPIS:
CERR Code:
TOGT: .016921343353572140011383039271485486624 9
ROGT: .014865400136113125
COT: .04252900032103062
NOXT: .2405824016666414
SOXT: .0003254200024008748
PMT: .004993032821622053278688524590163934426229
PM10T: .004873200033903124

2014 Toxic Data

Facility ID: 803
Facility SIC Code: 8062
CO: 20
Air Basin: SJV
District: SJU
TS:
Health Risk Asmt:
Non-Cancer Chronic Haz Ind:
Non-Cancer Acute Haz Ind:
COID: MAD
DISN: SAN JOAQUIN VALLEY APCD
CHAPIS:
CERR Code:

2015 Criteria Data

Facility ID: 803
Facility SIC Code: 8062
CO: 20
Air Basin: SJV
District: SJU
COID: MAD
DISN: SAN JOAQUIN VALLEY APCD
CHAPIS:
CERR Code:
TOGT: .016886738759248719408081957882754695503 7
ROGT: .014835
COT: .04248
NOXT: .240622402
SOXT: .0003251
PMT: .004989754098360655737704918032786885245902
PM10T: .00487

2015 Toxic Data

Facility ID: 803
Facility SIC Code: 8062
CO: 20
Air Basin: SJV
District: SJU
TS:
Health Risk Asmt:
Non-Cancer Chronic Haz Ind:
Non-Cancer Acute Haz Ind:
COID: MAD
DISN: SAN JOAQUIN VALLEY APCD
CHAPIS:
CERR Code:

2016 Criteria Data

Facility ID: 803
Facility SIC Code: 8062
CO: 20
Air Basin: SJV
District: SJU
COID: MAD
DISN: SAN JOAQUIN VALLEY APCD
CHAPIS:
CERR CODE:
TOGT: .00244166192373363688104723961297666476 9494
ROGT: .002145
COT: .00837
NOXT: .0523
SOXT: .0000659
PMT: .00107991803278688524590163934426229508 1967
PM10T: .001054

2016 Toxic Data

Facility ID: 803
Facility SIC Code: 8062
CERR CODE:
COID: MAD
CO: 20
DISN: SAN JOAQUIN VALLEY APCD
CHAPIS:
TS:
HRA:
CH Index:
AH Index:
Air Basin: SJV
District: SJU

2017 Criteria Data

Facility ID: 803
Facility SIC Code: 8062
CO: 20
Air Basin: SJV
District: SJU
COID: MAD
DISN: SAN JOAQUIN VALLEY APCD
CHAPIS:
CERR Code:
TOGT: .00244166192373363688104723961297666476 9494
ROGT: .002145
COT: .00837
NOXT: .0523
SOXT: .0000659
PMT: .00107991803278688524590163934426229508 1967
PM10T: .001054

2017 Toxic Data

Facility ID: 803
Facility SIC Code: 8062
CO: 20
Air Basin: SJV
District: SJU
TS:
Health Risk Asmt:
Non-Cancer Chronic Haz Ind:
Non-Cancer Acute Haz Ind:
COID: MAD
DISN: SAN JOAQUIN VALLEY APCD
CHAPIS:
CERR Code:

2018 Criteria Data

Facility ID: 803
Facility SIC Code: 8062
CO: 20
Air Basin: SJV
District: SJU
COID: MAD
DISN: SAN JOAQUIN VALLEY APCD
CERR Code:
TOGT: .00244166192373363688104723961297666476 9494
ROGT: .002145
COT: .00837
NOXT: .0523
SOXT: .0000659
PMT: .00106036217303822937625754527162977867

			2032
CHAPIS:		***PM10T:***	.001054

2018 Toxic Data

Facility ID:	803	***COID:***	MAD
Facility SIC Code:	8062	***DISN:***	SAN JOAQUIN VALLEY APCD
CO:	20	***CHAPIS:***	
Air Basin:	SJV	***CERR Code:***	
District:	SJU		
TS:			
Health Risk Asmt:			
Non-Cancer Chronic Haz Ind:			
Non-Cancer Acute Haz Ind:			

2019 Criteria Data

CO:	20	***CHAPIS:***	
Air Basin:	SJV	***CERR Code:***	
Facility ID:	803	***ROGT:***	.002145
District:	SJU	***COT:***	.00837
Facility SIC Code:	8062	***NOXT:***	.0523
CO ID:	MAD	***SOXT:***	.0000659
DISN:	SAN JOAQUIN VALLEY APCD		
PM10T:	.001054		
TOGT:	.0024416619237336368810472396129766647694 94		
PMT:	.0010603621730382293762575452716297786720 32		

2019 Toxic Data

CO:	20	***DISN:***	SAN JOAQUIN VALLEY APCD
Air Basin:	SJV	***CHAPIS:***	
Faccility ID:	803	***CERR Code:***	
District:	SJU	***TS:***	
Facility SIC Code:	8062	***Health Risk Asmt:***	
COID:	MAD		
Non-Cancer Chronic Haz Ind:			
Non-Cancer Acute Haz Ind:			

2020 Criteria Data

CO:	20	***CHAPIS:***	
Air Basin:	SJV	***CERR Code:***	
Facility ID:	803	***ROGT:***	.0178145
District:	SJU	***COT:***	.032014
Facility SIC Code:	8062	***NOXT:***	.171373438
CO ID:	MAD	***SOXT:***	.00025901
DISN:	SAN JOAQUIN VALLEY APCD		
TOGT:	.0914353199447109521099276363932026994065		
PMT:	.0038832997987927565392354124748490945674 04		
PM10T:	.00386		

2020 Toxic Data

CO:	20	***DISN:***	SAN JOAQUIN VALLEY APCD
Air Basin:	SJV	***CHAPIS:***	
Facility ID:	803	***CHERR Code:***	
District:	SJU	***TS:***	
Facility SIC Code:	8062	***Health Risk Asmt:***	
COID:	MAD		
Non-Cancer Chronic Haz Ind:			
Non-Cancer Acute Haz Ind:			

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

2021 Toxic Data

Co:	20	***DISN:***	SAN JOAQUIN VALLEY APCD
Air Basin:	SJV	***CHAPIS:***	
Facility ID:	803	***Cerr Code:***	
District:	SJU	***TS:***	
Facility SIC Code:	8062	***Health Risk Asmt:***	
COID:	MAD		
Non-Cancer Chronic Haz Ind:			
Non-Cancer Acute Haz Ind:			

2021 Criteria Data

Co:	20	***CHAPIS:***	
Air Basin:	SJV	***Cerr Code:***	
Facility ID:	803	***ROGT:***	.0207745
District:	SJU	***COT:***	.032902
Facility SIC Code:	8062	***NOXT:***	.172584438
CO ID:	MAD	***SOXT:***	.00027156
DISN:	SAN JOAQUIN VALLEY APCD		
TOGT:	.09143531994471095210992763639320269940 65		
PMT:	.00388329979879275653923541247484909456 7404		
PM10T:	.0040381		

5	***5 of8***	***N***	***0.25 / 1,294.39***	***266.63 / 1***	***MADERA COMMUNITY HOSPITAL 1250 EAST ALMOND AVENUE MADERA CA 93639***	***HHSS***

County:
Tank Details Microfiche: http://geotracker.waterboards.ca.gov/ustpdfs/pdf/00028dd5.pdf

5	***6 of8***	***N***	***0.25 / 1,294.39***	***266.63 / 1***	***MADERA COMMUNITY HOSPITAL 1250 EAST ALMOND AVENUE MADERA CA***	***HIST TANK***

Owner Name:	MADERA COMMUNITY HOSPITAL	***No of Containers:***	1
Owner Street:	1250 EAST ALMOND AVENUE	***County:***	MADERA
Owner City:	MADERA	***Facility State:***	CA
Owner State:	CA	***Facility Zip:***	93639
Owner Zip:	93639		

5	***7 of8***	***N***	***0.25 / 1,294.39***	***266.63 / 1***	***MADERA COMMUNITY HOSPITAL 1250 E ALMOND AVE MADERA CA 93637***	***RCRA SQG***

Handler ID: CAD983593070
Generator Status: SQG
Recycler Activity?: NO
Recycler Activity Note: This facility has not been identified as a Recycler Facility from both the RCRA Handler and Biennial Report Modules.

Violation/Evaluation Summary

Note: NO RECORDS: As of Nov 2025, there are no Compliance Monitoring and Enforcement (violation) records associated with this facility (EPA ID).

Handler Summary

Importer:	No	***Used Oil Transpor:***	No
Mixed Waste Gen:	No	***Used Oil Trans Fac:***	No

Transporter:	No	**Used Oil Processor:**	No
Transfer Facility:	No	**Used Oil Refiner:**	No
Recycler:	No	**Used Oil Burner:**	No
Onsite Burner Exem:	No	**Commercial TSD:**	No
Furnace Exemption:	No	**Recycl Nonstorage:**	No
Underground Injec:	No		
Used Oil Market Burner:	No		
Used Oil Spec Marketer:	No		

Additional Handler Summary Details

Source Type:	N	**NAIC 1:**	62211
Seq No:	2	**NAIC 2:**	
Non Notifier:		**NAIC 3:**	
Receive Date:	20251020	**NAIC 4:**	
Active Site:	H----	**State:**	CA
Land Type:	O	**Location Latitude:**	36.945383
In Handler Univ:	Y	**Location Longitude:**	-120.044702
In A Universe:	Y	**Loc GIS Primary:**	N
Gen Status:	SQG	**Loc GIS Origin:**	AG
Report Cycle:		**State District Owner:**	CA
Accessibility:		**State District:**	5
Region:	09		

Fed Waste Gen Owner:	HQ
State Waste Generator Owner:	CA
State Waste Generator:	2
Short Term Generator:	N
Uni Waste:	N
Universal Waste Dest Facility:	N
Federal Universal Waste:	N
As Federally Regulated Tsdf:	------
As Converter Tsdf:	------
As State Regulated Tsdf:	------
As State Regulated Handler:	---
Federal Indicator:	---
Hsm:	N
Subpart K:	----
GPRA Permit:	N
GPRA Renewal:	N
Permit Renewal WrkId:	------
Permwrk ID:	------
Perm Prog:	------
Pcwrkld:	------
Closwrkld:	------
GPRA Ca:	N
Cawrkld:	N
Subjca Tsd Discretion:	N
NCAPS:	N
EC Indicator:	N
Ca725 Indicator:	N
Ca750 Indicator:	N
Operating Tsdf:	------
Full Enforcement:	------
Snc:	N
Unaddressed Snc:	N
Addressed Snc:	N
Snc With Comp Sched:	N
Fa Required:	-----
Hhandler Last Change:	20251106
Recognized Trader Importer:	N
Recognized Trader Exporter:	N
Slab Importer:	N
Slab Exporter:	N
Manifest Broker:	N
Subpart P:	N
Contact Language:	EN
Handler Name:	MADERA COMMUNITY HOSPITAL
Location Street No:	

Location Street1:	1250 E ALMOND AVE
Location Street2:	
Location City:	MADERA
Location State:	CA
Location Zip:	93637
Location County Code:	CA039
Location County Name:	MADERA
Location Country:	US
Contact Name:	AARON VELARDE
Contact Street No:	
Contact Street1:	1250 E ALMOND AVE
Contact Street2:	
Contact City:	MADERA
Contact State:	CA
Contact Zip:	93637
Contact Country:	US
Contact Phone & Ext:	559-706-6867
Contact Fax:	
Contact Email Address:	AVELARDE@MADERAHOSPITAL.ORG
Contact Title:	
Owner Name:	MADERA COMMUNITY HOSPITAL INC
Owner Type:	P
Owner Seq:	1
Operator Name:	MADERA COMMUNITY HOSPITAL INC
Operator Type:	P
Operator Seq:	2
Public Notes:	

Hazardous Waste Handler Details

Seq No:	1
Receive Date:	19910718
Handler Name:	MADERA COMMUNITY HOSPITAL
Fed Waste Generator:	2
Generator Code Description:	Small Quantity Generator
Source Type:	Notification
TSD Activity:	N

Hazardous Waste Handler Details

Seq No:	2
Receive Date:	20251020
Handler Name:	MADERA COMMUNITY HOSPITAL
Fed Waste Generator:	2
Generator Code Description:	Small Quantity Generator
Source Type:	Notification
TSD Activity:	N

Waste Code Details

Waste Code:	311
Waste Code Desc:	Pharmaceutical waste
Waste Code:	343
Waste Code Desc:	Unspecified organic liquid mixture
Waste Code:	D001
Waste Code Desc:	IGNITABLE WASTE
Waste Code:	D005
Waste Code Desc:	BARIUM
Waste Code:	D007
Waste Code Desc:	CHROMIUM

Waste Code:	D010
Waste Code Desc:	SELENIUM
Waste Code:	D011
Waste Code Desc:	SILVER
Waste Code:	D022
Waste Code Desc:	CHLOROFORM
Waste Code:	P001
Waste Code Desc:	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:	P075
Waste Code Desc:	NICOTINE, & SALTS (OR) PYRIDINE, 3-(1-METHYL-2-PYRROLIDINYL)-,(S)-, & SALTS
Waste Code:	P188
Waste Code Desc:	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:	U010
Waste Code Desc:	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

Owner/Operator Details

Owner/Operator Ind:	Current Owner	**Street No:**	
Type:	Private	**Street1:**	NOT REQUIRED
Name:	MADERA COMMUNITY HOSPITAL INC	**Street2:**	
Dt Became Current:		**City:**	NOT REQUIRED
Dt Ended Current:		**State:**	ME
Phone:	415-555-1212	**Country:**	
Source Type:	Notification	**Zip:**	99999
Owner/Operator Ind:	Current Operator	**Street No:**	1250
Type:	Private	**Street1:**	E ALMOND AVE.
Name:	MADERA COMMUNITY HOSPITAL INC	**Street2:**	
Dt Became Current:	20251020	**City:**	MADERA
Dt Ended Current:		**State:**	CA
Phone:	559-706-6867	**Country:**	US
Source Type:	Notification	**Zip:**	93637
Owner/Operator Ind:	Current Owner	**Street No:**	
Type:	Private	**Street1:**	1250 E. ALMOND AVE
Name:	MADERA COMMUNITY HOSPITAL INC	**Street2:**	
Dt Became Current:	20250903	**City:**	MADERA
Dt Ended Current:		**State:**	CA
Phone:	559-706-6867	**Country:**	US
Source Type:	Notification	**Zip:**	93637
Owner/Operator Ind:	Current Operator	**Street No:**	
Type:	Private	**Street1:**	NOT REQUIRED
Name:	NOT REQUIRED	**Street2:**	
Dt Became Current:		**City:**	NOT REQUIRED
Dt Ended Current:		**State:**	ME
Phone:	415-555-1212	**Country:**	
Source Type:	Notification	**Zip:**	99999

Historical Handler Details

Receive Dt:	19910718
Generator Code Description:	Small Quantity Generator
Handler Name:	MADERA COMMUNITY HOSPITAL

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
5	8 of8	N	0.25 / 1,294.39	266.63 / 1	MADERA COMMUNITY HOSPITAL 1250 ALMOND AVE MADERA CA	UST SWEEPS

C C:	A20-000-100419	**D Filename:**	SITE13A
BOE:	44-013735	**Page No:**	8
Comp:	100419	**County:**	MADERA
Status:	ACTIVE	**State :**	CA
No of Tanks:	1	**Zip:**	93637
Jurisdict:	MADERA COUNTY	**Latitude:**	36.945343
Agency:	COUNTY OF MADERA - U.ST.	**Longitude:**	-120.045496
Phone:		**Georesult:**	S5HP--SCZA

Tank Details

Tank ID:	001393	**S Contain:**	
O Tank ID:	1	**Stg:**	P
SWRCB No:	20-000-100419-001393	**Storage :**	
Removed:		**Storag Type:**	PRODUCT
Installed:		**P Contain:**	
A Date:		**Content:**	OTHER
Capac:	10000	**ONA:**	
Tank Use:	M.V. FUEL	**D File Name:**	TANK13A

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
6	1 of1	W	0.28 / 1,472.85	263.44 / -2	BICEGLIA BROS. WINE CO. 25427 AVE 13 MADERA CA 93637	LUST

Global ID:	T0603900046	**Case Type (DL):**	LUST Cleanup Site
Site Facility Type:	LUST CLEANUP SITE	**Oil Field (SRCH):**	
Site Fac Type (SRCH):	LUST CLEANUP SITE	**Oil Field Oper (SRCH):**	
Status:		**Census Tract (SRCH):**	6039000502
Status (SRCH):	COMPLETED - CASE CLOSED	**Latitude (DL):**	36.9382778
Status (DL):	Completed - Case Closed	**Longitude (DL):**	-120.0493415
Status Date (DL):	7/16/1986	**RWQCB Region (DL):**	CENTRAL VALLEY RWQCB (REGION 5F)
Cleanup Status:	COMPLETED - CASE CLOSED		

Site Facility Name (SRCH):	BICEGLIA BROS. WINE CO.
Address (SRCH):	25427 AVE 13
City (SRCH):	MADERA
Zip (SRCH):	93637
County (SRCH):	MADERA
Street No (DL):	25427
Street Name (DL):	AVE 13
City (DL):	MADERA
Zip (DL):	93637
County (DL):	Madera
State (DL):	CA
Business Name (DL):	BICEGLIA BROS. WINE CO.
Site Facility Name:	BICEGLIA BROS. WINE CO.
Address :	25427 AVE 13
City :	MADERA
Zip :	93637
County :	MADERA
Report Source:	LUST Cleanup Sites & Military UST Site from GeoTracker Project Search Results Export; LUST Cleanup Sites & Military UST Site from GeoTracker Cleanup Sites Data Download; LUST Cleanup Sites from GeoTracker Search

GeoTracker Sites Data Download - Site Details

CUF Case:	
Lead Agency:	MADERA COUNTY
Case Worker:	ADR
Local Agency:	MADERA COUNTY
RB Case No:	5T20000046
Local Case No:	
File Location:	

Potential COC: Gasoline
Potential Media of Concern: Soil
Begin Date: 7/16/1986
How Discovered:
How Discovered Description:
Stop Method:
Stop Description:
Calwater Watershed Name: San Joaquin Valley Floor - Madera (545.20)
DWR GW Subbasin Name: San Joaquin Valley - Madera (5-022.06)
Disadvantaged Community:
CalEnvScreen Score:
Coordinate Source: Google Geocode
Discharge Cause:
Discharge Source:
EPA Region: 9
Leak Reported Dt: 1987-10-27 00:00:00
Military DoD Site: No
No Further Action Dt: 1986-07-16 00:00:00
Qty Rlsd Gallons:
Facility Project Sub Type:
Calenviroscreen 3 Score: 96-100% (highest scores)
Calenviroscreen 4 Score: 95-100% (highest scores)
Claim No:
Claim Status:
A2022 Assembly District: 27
A2022 Congressional District: 13
A2022 Senate District: 14
Site History:

GeoTracker Sites Data Download - Regulatory Contacts

Contact Type: Local Agency Caseworker - Primary Caseworker
Contact Name: ANN ROLAN
Organization Name: MADERA COUNTY
Address: 2037 WEST CLEVELAND
City: MADERA
Email: arolan@madera-county.com
Phone No:

Contact Type: Regional Board Caseworker
Contact Name: JEFFREY HANNEL
Organization Name: CENTRAL VALLEY RWQCB (REGION 5F)
Address: 1685 E STREET
City: FRESNO
Email: jhannel@waterboards.ca.gov
Phone No:

GeoTracker Sites Data Download - Status History

Status: Completed - Case Closed
Status Date: 7/16/1986

Status: Open - Case Begin Date
Status Date: 7/16/1986

GeoTracker Search - Regulatory Profile

Site Facility Name: BICEGLIA BROS. WINE CO.
Site Facility Type: LUST CLEANUP SITE
Cleanup Status: COMPLETED - CASE CLOSED
Address: 25427 AVE 13
City: MADERA
Zip: 93637
County: MADERA
Report Link: https://geotracker.waterboards.ca.gov/profile_report?global_id=T0603900046

Cleanup Status Detail: COMPLETED - CASE CLOSED AS OF 7/16/1986
Project Status:
Cleanup History Link: https://geotracker.waterboards.ca.gov/profile_report_include?global_id=T0603900046&tabname=regulatoryhistory
Potential COC: GASOLINE
Potential Media of Concern: SOIL
File Location:
User Defined Beneficial Use:
Designated Beneficial Use: MUN, AGR, IND, PROC
DWR GW Sub Basin: San Joaquin Valley - Madera (5-022.06)
Calwater Watershed Name: San Joaquin Valley Floor - Madera (545.20)
Post Closure Site Management:
Future Land Use:
Cleanup Oversight Agencies: MADERA COUNTY (LEAD)
CASE MANAGER: ANN ROLAN
CENTRAL VALLEY RWQCB (REGION 5F) - CASE #: 5T20000046
CASE MANAGER: JEFFREY HANNEL
CUF Claim No:
CUF Priority Assig:
CUF Amount Paid:
WDR Place Type:
WDR File No:
WDR Order No:
Project Oversight Agencies:
Facility Type:
Composting Method:
Grndwtr Monitoring Frequency:
Designated Beneficial Use Desc: Municipal and Domestic Supply, Agricultural Supply, Industrial Service Supply, Industrial Process Supply
Site History:

No site history available

GeoTracker Search - Cleanup Status History

Status: Completed - Case Closed
Date : 7/16/1986

Status: Open - Case Begin Date
Date : 7/16/1986

GeoTracker Search - Regulatory Activities

Action Type: Other Regulatory Actions
Action: Closure/No Further Action Letter
Action Date: 7/21/2010
Received Issue Date: 7/21/2010
Doc Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=T0603900046&enforcement_id=6058283&temptable=ENFORCEMENT
Title Description Comments:

default

Action Type: Leak Action
Action: Leak Reported
Action Date: 10/27/1987
Received Issue Date:
Doc Link:
Title Description Comments:

Action Type: Leak Action
Action: Leak Discovery
Action Date: 7/16/1986
Received Issue Date:
Doc Link:

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Title Description Comments:

GeoTracker Search - Documents

Document Type:	Site Documents	***Document Date:***	7/21/2010
Type:	CLOSURE/NO FURTHER ACTION LETTER	***Submitted:***	
Submitted By:	(REGULATOR)		
Title:	DEFAULT		
Title Link:	https://geotracker.waterboards.ca.gov/view_documents?global_id=T0603900046&enforcement_id=6058283		

7	1 of3	NW	0.33 / 1,722.07	266.05 / 1	CA	PFAS GW

Well ID:	CA2010002_017_017	***SRS Latitude:***	36.944027
Gm Dataset Name:	DDW	***SRS Longitude:***	-120.047411
Gm Data Source:	DDW	***Latitude:***	36.944027
Gm Well Category:	Municipal	***Longitude:***	-120.047411
SRS Datum:			
Gm Altwell Id1:	2010002-017		
Gm Altwell Id2:			
Gm Altwell Id3:			

Well Details

Gm Cas No:		***SRC Chemical:***	2809
Gm Result:	2	***SRC Result:***	
Gm Result Modifier:	<	***SRC Result Modifie:***	Y
Gm Chemical Units:	NG/L	***Src Chemical Units:***	NG/L
Gm Chemical Vvl:	PFHA	***SRC Report Limit:***	2
Gm Reporting Limit:	2	***SRC Analytic Meth:***	EPA 533
Gm Well Depth Ft:		***SRC Well Depth Ft:***	
Gm Chemical Name:	Perfluorohexanoic acid (PFHxA)		
Gm Samp Collection Date:	06/30/2023		
Gm Screen Top Depth Ft:	0		
Gm Screen Bottom Depth Ft:	370		
SRC Samp Collection Date:	06/30/2023		
SRC Samp Collection Time:	11:36:00		
SRC Screen Top Depth Ft:			
SRC Screen Bottom Depth Ft:			
SRC Lab Note:	BSK ANALYTICAL LABORATORIES		
SRC Analysis Date:	07/13/2023		
SRC Well Category:			

Gm Cas No:		***SRC Chemical:***	2802
Gm Result:	3.9	***SRC Result:***	
Gm Result Modifier:	<	***SRC Result Modifie:***	Y
Gm Chemical Units:	NG/L	***Src Chemical Units:***	NG/L
Gm Chemical Vvl:	PFHPA	***SRC Report Limit:***	3.9
Gm Reporting Limit:	3.9	***SRC Analytic Meth:***	EPA 533
Gm Well Depth Ft:		***SRC Well Depth Ft:***	
Gm Chemical Name:	Perfluoroheptanoic acid (PFHpA)		
Gm Samp Collection Date:	03/06/2023		
Gm Screen Top Depth Ft:	0		
Gm Screen Bottom Depth Ft:	370		
SRC Samp Collection Date:	03/06/2023		
SRC Samp Collection Time:	10:48:00		
SRC Screen Top Depth Ft:			
SRC Screen Bottom Depth Ft:			
SRC Lab Note:	TESTAMERICA - WEST SAC (STL SACRAMENTO)		
SRC Analysis Date:	03/24/2023		
SRC Well Category:			

Gm Cas No:		***SRC Chemical:***	2822
Gm Result:	2	***SRC Result:***	

Gm Result Modifier:	<	**SRC Result Modifie:**	Y
Gm Chemical Units:	NG/L	**Src Chemical Units:**	NG/L
Gm Chemical Vvl:	8:2FTS	**SRC Report Limit:**	2
Gm Reporting Limit:	2	**SRC Analytic Meth:**	EPA 533
Gm Well Depth Ft:		**SRC Well Depth Ft:**	
Gm Chemical Name:	8:2 Fluorotelomer sulfonic acid (1H, 1H, 2H, 2H-Perfluorodecanesulfonic acid) (8:2 FTS)		
Gm Samp Collection Date:	09/15/2023		
Gm Screen Top Depth Ft:	0		
Gm Screen Bottom Depth Ft:	370		
SRC Samp Collection Date:	09/15/2023		
SRC Samp Collection Time:	12:21:00		
SRC Screen Top Depth Ft:			
SRC Screen Bottom Depth Ft:			
SRC Lab Note:	BSK ANALYTICAL LABORATORIES		
SRC Analysis Date:	09/21/2023		
SRC Well Category:			

Gm Cas No:		**SRC Chemical:**	2821
Gm Result:	2	**SRC Result:**	
Gm Result Modifier:	<	**SRC Result Modifie:**	Y
Gm Chemical Units:	NG/L	**Src Chemical Units:**	NG/L
Gm Chemical Vvl:	4:2FTS	**SRC Report Limit:**	2
Gm Reporting Limit:	2	**SRC Analytic Meth:**	EPA 533
Gm Well Depth Ft:		**SRC Well Depth Ft:**	
Gm Chemical Name:	4:2 Fluorotelomer sulfonic acid (1H, 1H, 2H, 2H-Perfluorohexanesulfonic acid) (4:2 FTS)		
Gm Samp Collection Date:	09/15/2023		
Gm Screen Top Depth Ft:	0		
Gm Screen Bottom Depth Ft:	370		
SRC Samp Collection Date:	09/15/2023		
SRC Samp Collection Time:	12:21:00		
SRC Screen Top Depth Ft:			
SRC Screen Bottom Depth Ft:			
SRC Lab Note:	BSK ANALYTICAL LABORATORIES		
SRC Analysis Date:	09/21/2023		
SRC Well Category:			

Gm Cas No:		**SRC Chemical:**	2808
Gm Result:	1.9	**SRC Result:**	
Gm Result Modifier:	<	**SRC Result Modifie:**	Y
Gm Chemical Units:	NG/L	**Src Chemical Units:**	NG/L
Gm Chemical Vvl:	PFDOA	**SRC Report Limit:**	1.9
Gm Reporting Limit:	1.9	**SRC Analytic Meth:**	EPA 533
Gm Well Depth Ft:		**SRC Well Depth Ft:**	
Gm Chemical Name:	Perfluorododecanoic acid (PFDoDA)		
Gm Samp Collection Date:	03/06/2023		
Gm Screen Top Depth Ft:	0		
Gm Screen Bottom Depth Ft:	370		
SRC Samp Collection Date:	03/06/2023		
SRC Samp Collection Time:	10:48:00		
SRC Screen Top Depth Ft:			
SRC Screen Bottom Depth Ft:			
SRC Lab Note:	TESTAMERICA - WEST SAC (STL SACRAMENTO)		
SRC Analysis Date:	03/24/2023		
SRC Well Category:			

Gm Cas No:		**SRC Chemical:**	2809
Gm Result:	2	**SRC Result:**	
Gm Result Modifier:	<	**SRC Result Modifie:**	Y
Gm Chemical Units:	NG/L	**Src Chemical Units:**	NG/L
Gm Chemical Vvl:	PFHA	**SRC Report Limit:**	2
Gm Reporting Limit:	2	**SRC Analytic Meth:**	EPA 533
Gm Well Depth Ft:		**SRC Well Depth Ft:**	
Gm Chemical Name:	Perfluorohexanoic acid (PFHxA)		
Gm Samp Collection Date:	09/15/2023		
Gm Screen Top Depth Ft:	0		
Gm Screen Bottom Depth Ft:	370		
SRC Samp Collection Date:	09/15/2023		
SRC Samp Collection Time:	12:21:00		
SRC Screen Top Depth Ft:			

SRC Screen Bottom Depth Ft:
SRC Lab Note: BSK ANALYTICAL LABORATORIES
SRC Analysis Date: 09/21/2023
SRC Well Category:

Gm Cas No:
Gm Result: 1.9
Gm Result Modifier: <
Gm Chemical Units: NG/L
Gm Chemical Vvl: 8:2FTS
Gm Reporting Limit: 1.9
Gm Well Depth Ft:
SRC Chemical: 2822
SRC Result:
SRC Result Modifie: Y
Src Chemical Units: NG/L
SRC Report Limit: 1.9
SRC Analytic Meth: EPA 533
SRC Well Depth Ft:
Gm Chemical Name: 8:2 Fluorotelomer sulfonic acid (1H, 1H, 2H, 2H-Perfluorodecanesulfonic acid) (8:2 FTS)
Gm Samp Collection Date: 03/06/2023
Gm Screen Top Depth Ft: 0
Gm Screen Bottom Depth Ft: 370
SRC Samp Collection Date: 03/06/2023
SRC Samp Collection Time: 10:48:00
SRC Screen Top Depth Ft:
SRC Screen Bottom Depth Ft:
SRC Lab Note: TESTAMERICA - WEST SAC (STL SACRAMENTO)
SRC Analysis Date: 03/24/2023
SRC Well Category:

Gm Cas No:
Gm Result: 2
Gm Result Modifier: <
Gm Chemical Units: NG/L
Gm Chemical Vvl: PFNDCA
Gm Reporting Limit: 2
Gm Well Depth Ft:
SRC Chemical: 2807
SRC Result:
SRC Result Modifie: Y
Src Chemical Units: NG/L
SRC Report Limit: 2
SRC Analytic Meth: EPA 533
SRC Well Depth Ft:
Gm Chemical Name: Perfluorodecanoic acid (PFDA)
Gm Samp Collection Date: 09/15/2023
Gm Screen Top Depth Ft: 0
Gm Screen Bottom Depth Ft: 370
SRC Samp Collection Date: 09/15/2023
SRC Samp Collection Time: 12:21:00
SRC Screen Top Depth Ft:
SRC Screen Bottom Depth Ft:
SRC Lab Note: BSK ANALYTICAL LABORATORIES
SRC Analysis Date: 09/21/2023
SRC Well Category:

Gm Cas No:
Gm Result: 2
Gm Result Modifier: <
Gm Chemical Units: NG/L
Gm Chemical Vvl: 9ClPF3ONS
Gm Reporting Limit: 2
Gm Well Depth Ft:
SRC Chemical: 2814
SRC Result:
SRC Result Modifie: Y
Src Chemical Units: NG/L
SRC Report Limit: 2
SRC Analytic Meth: EPA 533
SRC Well Depth Ft:
Gm Chemical Name: 9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9-Cl-PF3ONS)
Gm Samp Collection Date: 09/15/2023
Gm Screen Top Depth Ft: 0
Gm Screen Bottom Depth Ft: 370
SRC Samp Collection Date: 09/15/2023
SRC Samp Collection Time: 12:21:00
SRC Screen Top Depth Ft:
SRC Screen Bottom Depth Ft:
SRC Lab Note: BSK ANALYTICAL LABORATORIES
SRC Analysis Date: 09/21/2023
SRC Well Category:

Gm Cas No:
Gm Result: 1.9
Gm Result Modifier: <
Gm Chemical Units: NG/L
Gm Chemical Vvl: PFNA
Gm Reporting Limit: 1.9
Gm Well Depth Ft:
SRC Chemical: 2804
SRC Result:
SRC Result Modifie: Y
Src Chemical Units: NG/L
SRC Report Limit: 1.9
SRC Analytic Meth: EPA 533
SRC Well Depth Ft:

Gm Chemical Name: Perfluorononanoic acid (PFNA)
Gm Samp Collection Date: 03/06/2023
Gm Screen Top Depth Ft: 0
Gm Screen Bottom Depth Ft: 370
SRC Samp Collection Date: 03/06/2023
SRC Samp Collection Time: 10:48:00
SRC Screen Top Depth Ft:
SRC Screen Bottom Depth Ft:
SRC Lab Note: TESTAMERICA - WEST SAC (STL SACRAMENTO)
SRC Analysis Date: 03/24/2023
SRC Well Category:

Gm Cas No:
Gm Result: 2
Gm Result Modifier: <
Gm Chemical Units: NG/L
Gm Chemical Vvl: 6:2FTS
Gm Reporting Limit: 2
Gm Well Depth Ft:
SRC Chemical: 2820
SRC Result:
SRC Result Modifie: Y
Src Chemical Units: NG/L
SRC Report Limit: 2
SRC Analytic Meth: EPA 533
SRC Well Depth Ft:
Gm Chemical Name: 6:2 Fluorotelomer sulfonic acid (1H,1H,2H,2H-Perfluorooctanesulfonic acid) (6:2 FTS)
Gm Samp Collection Date: 06/30/2023
Gm Screen Top Depth Ft: 0
Gm Screen Bottom Depth Ft: 370
SRC Samp Collection Date: 06/30/2023
SRC Samp Collection Time: 11:36:00
SRC Screen Top Depth Ft:
SRC Screen Bottom Depth Ft:
SRC Lab Note: BSK ANALYTICAL LABORATORIES
SRC Analysis Date: 07/13/2023
SRC Well Category:

Gm Cas No:
Gm Result: 2
Gm Result Modifier: <
Gm Chemical Units: NG/L
Gm Chemical Vvl: PFEESA
Gm Reporting Limit: 2
Gm Well Depth Ft:
SRC Chemical: 2826
SRC Result:
SRC Result Modifie: Y
Src Chemical Units: NG/L
SRC Report Limit: 2
SRC Analytic Meth: EPA 533
SRC Well Depth Ft:
Gm Chemical Name: Perfluoro(2-ethoxyethane) sulfonic acid (PFEESA)
Gm Samp Collection Date: 06/30/2023
Gm Screen Top Depth Ft: 0
Gm Screen Bottom Depth Ft: 370
SRC Samp Collection Date: 06/30/2023
SRC Samp Collection Time: 11:36:00
SRC Screen Top Depth Ft:
SRC Screen Bottom Depth Ft:
SRC Lab Note: BSK ANALYTICAL LABORATORIES
SRC Analysis Date: 07/13/2023
SRC Well Category:

Gm Cas No:
Gm Result: 2
Gm Result Modifier: <
Gm Chemical Units: NG/L
Gm Chemical Vvl: PFOA
Gm Reporting Limit: 2
Gm Well Depth Ft:
SRC Chemical: 2806
SRC Result:
SRC Result Modifie: Y
Src Chemical Units: NG/L
SRC Report Limit: 2
SRC Analytic Meth: EPA 533
SRC Well Depth Ft:
Gm Chemical Name: Perfluorooctanoic acid (PFOA)
Gm Samp Collection Date: 12/04/2023
Gm Screen Top Depth Ft: 0
Gm Screen Bottom Depth Ft: 370
SRC Samp Collection Date: 12/04/2023
SRC Samp Collection Time: 11:40:00
SRC Screen Top Depth Ft:
SRC Screen Bottom Depth Ft:
SRC Lab Note: BSK ANALYTICAL LABORATORIES
SRC Analysis Date: 12/09/2023
SRC Well Category:

Gm Cas No:		**SRC Chemical:**	2819
Gm Result:	2	**SRC Result:**	
Gm Result Modifier:	<	**SRC Result Modifie:**	Y
Gm Chemical Units:	NG/L	**Src Chemical Units:**	NG/L
Gm Chemical Vvl:	PFBTA	**SRC Report Limit:**	2
Gm Reporting Limit:	2	**SRC Analytic Meth:**	EPA 533
Gm Well Depth Ft:		**SRC Well Depth Ft:**	
Gm Chemical Name:	Perfluorobutyric acid (PFBA)		
Gm Samp Collection Date:	09/15/2023		
Gm Screen Top Depth Ft:	0		
Gm Screen Bottom Depth Ft:	370		
SRC Samp Collection Date:	09/15/2023		
SRC Samp Collection Time:	12:21:00		
SRC Screen Top Depth Ft:			
SRC Screen Bottom Depth Ft:			
SRC Lab Note:	BSK ANALYTICAL LABORATORIES		
SRC Analysis Date:	09/21/2023		
SRC Well Category:			

Gm Cas No:		**SRC Chemical:**	2803
Gm Result:	2	**SRC Result:**	
Gm Result Modifier:	<	**SRC Result Modifie:**	Y
Gm Chemical Units:	NG/L	**Src Chemical Units:**	NG/L
Gm Chemical Vvl:	PFHXSA	**SRC Report Limit:**	2
Gm Reporting Limit:	2	**SRC Analytic Meth:**	EPA 533
Gm Well Depth Ft:		**SRC Well Depth Ft:**	
Gm Chemical Name:	Perfluorohexanesulfonic acid (PFHxS)		
Gm Samp Collection Date:	06/30/2023		
Gm Screen Top Depth Ft:	0		
Gm Screen Bottom Depth Ft:	370		
SRC Samp Collection Date:	06/30/2023		
SRC Samp Collection Time:	11:36:00		
SRC Screen Top Depth Ft:			
SRC Screen Bottom Depth Ft:			
SRC Lab Note:	BSK ANALYTICAL LABORATORIES		
SRC Analysis Date:	07/13/2023		
SRC Well Category:			

Gm Cas No:		**SRC Chemical:**	2825
Gm Result:	1.9	**SRC Result:**	
Gm Result Modifier:	<	**SRC Result Modifie:**	Y
Gm Chemical Units:	NG/L	**Src Chemical Units:**	NG/L
Gm Chemical Vvl:	PFMBA	**SRC Report Limit:**	1.9
Gm Reporting Limit:	1.9	**SRC Analytic Meth:**	EPA 533
Gm Well Depth Ft:		**SRC Well Depth Ft:**	
Gm Chemical Name:	Perfluoro-4-methoxybutanoic acid (PFMBA)		
Gm Samp Collection Date:	03/06/2023		
Gm Screen Top Depth Ft:	0		
Gm Screen Bottom Depth Ft:	370		
SRC Samp Collection Date:	03/06/2023		
SRC Samp Collection Time:	10:48:00		
SRC Screen Top Depth Ft:			
SRC Screen Bottom Depth Ft:			
SRC Lab Note:	TESTAMERICA - WEST SAC (STL SACRAMENTO)		
SRC Analysis Date:	03/24/2023		
SRC Well Category:			

Gm Cas No:		**SRC Chemical:**	2819
Gm Result:	2	**SRC Result:**	
Gm Result Modifier:	<	**SRC Result Modifie:**	Y
Gm Chemical Units:	NG/L	**Src Chemical Units:**	NG/L
Gm Chemical Vvl:	PFBTA	**SRC Report Limit:**	2
Gm Reporting Limit:	2	**SRC Analytic Meth:**	EPA 533
Gm Well Depth Ft:		**SRC Well Depth Ft:**	
Gm Chemical Name:	Perfluorobutyric acid (PFBA)		
Gm Samp Collection Date:	06/30/2023		
Gm Screen Top Depth Ft:	0		
Gm Screen Bottom Depth Ft:	370		
SRC Samp Collection Date:	06/30/2023		

SRC Samp Collection Time:	11:36:00		
SRC Screen Top Depth Ft:			
SRC Screen Bottom Depth Ft:			
SRC Lab Note:	BSK ANALYTICAL LABORATORIES		
SRC Analysis Date:	07/13/2023		
SRC Well Category:			

Gm Cas No:		**SRC Chemical:**	2802
Gm Result:	2	**SRC Result:**	
Gm Result Modifier:	<	**SRC Result Modifie:**	Y
Gm Chemical Units:	NG/L	**Src Chemical Units:**	NG/L
Gm Chemical Vvl:	PFHPA	**SRC Report Limit:**	2
Gm Reporting Limit:	2	**SRC Analytic Meth:**	EPA 533
Gm Well Depth Ft:		**SRC Well Depth Ft:**	
Gm Chemical Name:	Perfluoroheptanoic acid (PFHpA)		
Gm Samp Collection Date:	12/04/2023		
Gm Screen Top Depth Ft:	0		
Gm Screen Bottom Depth Ft:	370		
SRC Samp Collection Date:	12/04/2023		
SRC Samp Collection Time:	11:40:00		
SRC Screen Top Depth Ft:			
SRC Screen Bottom Depth Ft:			
SRC Lab Note:	BSK ANALYTICAL LABORATORIES		
SRC Analysis Date:	12/09/2023		
SRC Well Category:			

Gm Cas No:		**SRC Chemical:**	2802
Gm Result:	2	**SRC Result:**	
Gm Result Modifier:	<	**SRC Result Modifie:**	Y
Gm Chemical Units:	NG/L	**Src Chemical Units:**	NG/L
Gm Chemical Vvl:	PFHPA	**SRC Report Limit:**	2
Gm Reporting Limit:	2	**SRC Analytic Meth:**	EPA 533
Gm Well Depth Ft:		**SRC Well Depth Ft:**	
Gm Chemical Name:	Perfluoroheptanoic acid (PFHpA)		
Gm Samp Collection Date:	09/15/2023		
Gm Screen Top Depth Ft:	0		
Gm Screen Bottom Depth Ft:	370		
SRC Samp Collection Date:	09/15/2023		
SRC Samp Collection Time:	12:21:00		
SRC Screen Top Depth Ft:			
SRC Screen Bottom Depth Ft:			
SRC Lab Note:	BSK ANALYTICAL LABORATORIES		
SRC Analysis Date:	09/21/2023		
SRC Well Category:			

Gm Cas No:		**SRC Chemical:**	2825
Gm Result:	2	**SRC Result:**	
Gm Result Modifier:	<	**SRC Result Modifie:**	Y
Gm Chemical Units:	NG/L	**Src Chemical Units:**	NG/L
Gm Chemical Vvl:	PFMBA	**SRC Report Limit:**	2
Gm Reporting Limit:	2	**SRC Analytic Meth:**	EPA 533
Gm Well Depth Ft:		**SRC Well Depth Ft:**	
Gm Chemical Name:	Perfluoro-4-methoxybutanoic acid (PFMBA)		
Gm Samp Collection Date:	12/04/2023		
Gm Screen Top Depth Ft:	0		
Gm Screen Bottom Depth Ft:	370		
SRC Samp Collection Date:	12/04/2023		
SRC Samp Collection Time:	11:40:00		
SRC Screen Top Depth Ft:			
SRC Screen Bottom Depth Ft:			
SRC Lab Note:	BSK ANALYTICAL LABORATORIES		
SRC Analysis Date:	12/09/2023		
SRC Well Category:			

Gm Cas No:		**SRC Chemical:**	2826
Gm Result:	1.9	**SRC Result:**	
Gm Result Modifier:	<	**SRC Result Modifie:**	Y
Gm Chemical Units:	NG/L	**Src Chemical Units:**	NG/L
Gm Chemical Vvl:	PFEESA	**SRC Report Limit:**	1.9

Gm Reporting Limit:	1.9	**SRC Analytic Meth:**	EPA 533
Gm Well Depth Ft:		**SRC Well Depth Ft:**	
Gm Chemical Name:	Perfluoro(2-ethoxyethane) sulfonic acid (PFEESA)		
Gm Samp Collection Date:	03/06/2023		
Gm Screen Top Depth Ft:	0		
Gm Screen Bottom Depth Ft:	370		
SRC Samp Collection Date:	03/06/2023		
SRC Samp Collection Time:	10:48:00		
SRC Screen Top Depth Ft:			
SRC Screen Bottom Depth Ft:			
SRC Lab Note:	TESTAMERICA - WEST SAC (STL SACRAMENTO)		
SRC Analysis Date:	03/24/2023		
SRC Well Category:			

Gm Cas No:		**SRC Chemical:**	2804
Gm Result:	2	**SRC Result:**	
Gm Result Modifier:	<	**SRC Result Modifie:**	Y
Gm Chemical Units:	NG/L	**Src Chemical Units:**	NG/L
Gm Chemical Vvl:	PFNA	**SRC Report Limit:**	2
Gm Reporting Limit:	2	**SRC Analytic Meth:**	EPA 533
Gm Well Depth Ft:		**SRC Well Depth Ft:**	
Gm Chemical Name:	Perfluorononanoic acid (PFNA)		
Gm Samp Collection Date:	06/30/2023		
Gm Screen Top Depth Ft:	0		
Gm Screen Bottom Depth Ft:	370		
SRC Samp Collection Date:	06/30/2023		
SRC Samp Collection Time:	11:36:00		
SRC Screen Top Depth Ft:			
SRC Screen Bottom Depth Ft:			
SRC Lab Note:	BSK ANALYTICAL LABORATORIES		
SRC Analysis Date:	07/13/2023		
SRC Well Category:			

Gm Cas No:		**SRC Chemical:**	2809
Gm Result:	2	**SRC Result:**	
Gm Result Modifier:	<	**SRC Result Modifie:**	Y
Gm Chemical Units:	NG/L	**Src Chemical Units:**	NG/L
Gm Chemical Vvl:	PFHA	**SRC Report Limit:**	2
Gm Reporting Limit:	2	**SRC Analytic Meth:**	EPA 533
Gm Well Depth Ft:		**SRC Well Depth Ft:**	
Gm Chemical Name:	Perfluorohexanoic acid (PFHxA)		
Gm Samp Collection Date:	12/04/2023		
Gm Screen Top Depth Ft:	0		
Gm Screen Bottom Depth Ft:	370		
SRC Samp Collection Date:	12/04/2023		
SRC Samp Collection Time:	11:40:00		
SRC Screen Top Depth Ft:			
SRC Screen Bottom Depth Ft:			
SRC Lab Note:	BSK ANALYTICAL LABORATORIES		
SRC Analysis Date:	12/09/2023		
SRC Well Category:			

Gm Cas No:		**SRC Chemical:**	2829
Gm Result:	2	**SRC Result:**	
Gm Result Modifier:	<	**SRC Result Modifie:**	Y
Gm Chemical Units:	NG/L	**Src Chemical Units:**	NG/L
Gm Chemical Vvl:	PFHPSA	**SRC Report Limit:**	2
Gm Reporting Limit:	2	**SRC Analytic Meth:**	EPA 533
Gm Well Depth Ft:		**SRC Well Depth Ft:**	
Gm Chemical Name:	Perfluoroheptane sulfonic acid (PFHpS)		
Gm Samp Collection Date:	06/30/2023		
Gm Screen Top Depth Ft:	0		
Gm Screen Bottom Depth Ft:	370		
SRC Samp Collection Date:	06/30/2023		
SRC Samp Collection Time:	11:36:00		
SRC Screen Top Depth Ft:			
SRC Screen Bottom Depth Ft:			
SRC Lab Note:	BSK ANALYTICAL LABORATORIES		
SRC Analysis Date:	07/13/2023		

SRC Well Category:

Gm Cas No: | ***SRC Chemical:*** 2820
Gm Result: 2 | ***SRC Result:***
Gm Result Modifier: < | ***SRC Result Modifie:*** Y
Gm Chemical Units: NG/L | ***Src Chemical Units:*** NG/L
Gm Chemical Vvl: 6:2FTS | ***SRC Report Limit:*** 2
Gm Reporting Limit: 2 | ***SRC Analytic Meth:*** EPA 533
Gm Well Depth Ft: | ***SRC Well Depth Ft:***
Gm Chemical Name: 6:2 Fluorotelomer sulfonic acid (1H,1H,2H,2H-Perfluorooctanesulfonic acid) (6:2 FTS)
Gm Samp Collection Date: 12/04/2023
Gm Screen Top Depth Ft: 0
Gm Screen Bottom Depth Ft: 370
SRC Samp Collection Date: 12/04/2023
SRC Samp Collection Time: 11:40:00
SRC Screen Top Depth Ft:
SRC Screen Bottom Depth Ft:
SRC Lab Note: BSK ANALYTICAL LABORATORIES
SRC Analysis Date: 12/09/2023
SRC Well Category:

Gm Cas No: | ***SRC Chemical:*** 2806
Gm Result: 2 | ***SRC Result:***
Gm Result Modifier: < | ***SRC Result Modifie:*** Y
Gm Chemical Units: NG/L | ***Src Chemical Units:*** NG/L
Gm Chemical Vvl: PFOA | ***SRC Report Limit:*** 2
Gm Reporting Limit: 2 | ***SRC Analytic Meth:*** EPA 533
Gm Well Depth Ft: | ***SRC Well Depth Ft:***
Gm Chemical Name: Perfluorooctanoic acid (PFOA)
Gm Samp Collection Date: 06/30/2023
Gm Screen Top Depth Ft: 0
Gm Screen Bottom Depth Ft: 370
SRC Samp Collection Date: 06/30/2023
SRC Samp Collection Time: 11:36:00
SRC Screen Top Depth Ft:
SRC Screen Bottom Depth Ft:
SRC Lab Note: BSK ANALYTICAL LABORATORIES
SRC Analysis Date: 07/13/2023
SRC Well Category:

Gm Cas No: | ***SRC Chemical:*** 2812
Gm Result: 2 | ***SRC Result:***
Gm Result Modifier: < | ***SRC Result Modifie:*** Y
Gm Chemical Units: NG/L | ***Src Chemical Units:*** NG/L
Gm Chemical Vvl: PFUNDCA | ***SRC Report Limit:*** 2
Gm Reporting Limit: 2 | ***SRC Analytic Meth:*** EPA 533
Gm Well Depth Ft: | ***SRC Well Depth Ft:***
Gm Chemical Name: Perfluoroundecanoic acid (PFUnDA)
Gm Samp Collection Date: 06/30/2023
Gm Screen Top Depth Ft: 0
Gm Screen Bottom Depth Ft: 370
SRC Samp Collection Date: 06/30/2023
SRC Samp Collection Time: 11:36:00
SRC Screen Top Depth Ft:
SRC Screen Bottom Depth Ft:
SRC Lab Note: BSK ANALYTICAL LABORATORIES
SRC Analysis Date: 07/13/2023
SRC Well Category:

Gm Cas No: | ***SRC Chemical:*** 2812
Gm Result: 2 | ***SRC Result:***
Gm Result Modifier: < | ***SRC Result Modifie:*** Y
Gm Chemical Units: NG/L | ***Src Chemical Units:*** NG/L
Gm Chemical Vvl: PFUNDCA | ***SRC Report Limit:*** 2
Gm Reporting Limit: 2 | ***SRC Analytic Meth:*** EPA 533
Gm Well Depth Ft: | ***SRC Well Depth Ft:***
Gm Chemical Name: Perfluoroundecanoic acid (PFUnDA)
Gm Samp Collection Date: 09/15/2023
Gm Screen Top Depth Ft: 0

Gm Screen Bottom Depth Ft:	370		
SRC Samp Collection Date:	09/15/2023		
SRC Samp Collection Time:	12:21:00		
SRC Screen Top Depth Ft:			
SRC Screen Bottom Depth Ft:			
SRC Lab Note:	BSK ANALYTICAL LABORATORIES		
SRC Analysis Date:	09/21/2023		
SRC Well Category:			

Gm Cas No:		**SRC Chemical:**	2806
Gm Result:	1.9	**SRC Result:**	
Gm Result Modifier:	<	**SRC Result Modifie:**	Y
Gm Chemical Units:	NG/L	**Src Chemical Units:**	NG/L
Gm Chemical Vvl:	PFOA	**SRC Report Limit:**	1.9
Gm Reporting Limit:	1.9	**SRC Analytic Meth:**	EPA 533
Gm Well Depth Ft:		**SRC Well Depth Ft:**	
Gm Chemical Name:	Perfluorooctanoic acid (PFOA)		
Gm Samp Collection Date:	03/06/2023		
Gm Screen Top Depth Ft:	0		
Gm Screen Bottom Depth Ft:	370		
SRC Samp Collection Date:	03/06/2023		
SRC Samp Collection Time:	10:48:00		
SRC Screen Top Depth Ft:			
SRC Screen Bottom Depth Ft:			
SRC Lab Note:	TESTAMERICA - WEST SAC (STL SACRAMENTO)		
SRC Analysis Date:	03/24/2023		
SRC Well Category:			

Gm Cas No:		**SRC Chemical:**	2801
Gm Result:	1.9	**SRC Result:**	
Gm Result Modifier:	<	**SRC Result Modifie:**	Y
Gm Chemical Units:	NG/L	**Src Chemical Units:**	NG/L
Gm Chemical Vvl:	PFBSA	**SRC Report Limit:**	1.9
Gm Reporting Limit:	1.9	**SRC Analytic Meth:**	EPA 533
Gm Well Depth Ft:		**SRC Well Depth Ft:**	
Gm Chemical Name:	Perfluorobutane sulfonic acid (PFBS)		
Gm Samp Collection Date:	03/06/2023		
Gm Screen Top Depth Ft:	0		
Gm Screen Bottom Depth Ft:	370		
SRC Samp Collection Date:	03/06/2023		
SRC Samp Collection Time:	10:48:00		
SRC Screen Top Depth Ft:			
SRC Screen Bottom Depth Ft:			
SRC Lab Note:	TESTAMERICA - WEST SAC (STL SACRAMENTO)		
SRC Analysis Date:	03/24/2023		
SRC Well Category:			

Gm Cas No:		**SRC Chemical:**	2829
Gm Result:	2	**SRC Result:**	
Gm Result Modifier:	<	**SRC Result Modifie:**	Y
Gm Chemical Units:	NG/L	**Src Chemical Units:**	NG/L
Gm Chemical Vvl:	PFHPSA	**SRC Report Limit:**	2
Gm Reporting Limit:	2	**SRC Analytic Meth:**	EPA 533
Gm Well Depth Ft:		**SRC Well Depth Ft:**	
Gm Chemical Name:	Perfluoroheptane sulfonic acid (PFHpS)		
Gm Samp Collection Date:	12/04/2023		
Gm Screen Top Depth Ft:	0		
Gm Screen Bottom Depth Ft:	370		
SRC Samp Collection Date:	12/04/2023		
SRC Samp Collection Time:	11:40:00		
SRC Screen Top Depth Ft:			
SRC Screen Bottom Depth Ft:			
SRC Lab Note:	BSK ANALYTICAL LABORATORIES		
SRC Analysis Date:	12/09/2023		
SRC Well Category:			

Gm Cas No:		**SRC Chemical:**	2823
Gm Result:	2	**SRC Result:**	
Gm Result Modifier:	<	**SRC Result Modifie:**	Y

Gm Chemical Units:	NG/L	**Src Chemical Units:**	NG/L
Gm Chemical Vvl:	PFMPA	**SRC Report Limit:**	2
Gm Reporting Limit:	2	**SRC Analytic Meth:**	EPA 533
Gm Well Depth Ft:		**SRC Well Depth Ft:**	
Gm Chemical Name:	Perfluoro-3-methoxypropanoic acid (PFMPA)		
Gm Samp Collection Date:	06/30/2023		
Gm Screen Top Depth Ft:	0		
Gm Screen Bottom Depth Ft:	370		
SRC Samp Collection Date:	06/30/2023		
SRC Samp Collection Time:	11:36:00		
SRC Screen Top Depth Ft:			
SRC Screen Bottom Depth Ft:			
SRC Lab Note:	BSK ANALYTICAL LABORATORIES		
SRC Analysis Date:	07/13/2023		
SRC Well Category:			

Gm Cas No:		**SRC Chemical:**	2808
Gm Result:	2	**SRC Result:**	
Gm Result Modifier:	<	**SRC Result Modifie:**	Y
Gm Chemical Units:	NG/L	**Src Chemical Units:**	NG/L
Gm Chemical Vvl:	PFDOA	**SRC Report Limit:**	2
Gm Reporting Limit:	2	**SRC Analytic Meth:**	EPA 533
Gm Well Depth Ft:		**SRC Well Depth Ft:**	
Gm Chemical Name:	Perfluorododecanoic acid (PFDoDA)		
Gm Samp Collection Date:	09/15/2023		
Gm Screen Top Depth Ft:	0		
Gm Screen Bottom Depth Ft:	370		
SRC Samp Collection Date:	09/15/2023		
SRC Samp Collection Time:	12:21:00		
SRC Screen Top Depth Ft:			
SRC Screen Bottom Depth Ft:			
SRC Lab Note:	BSK ANALYTICAL LABORATORIES		
SRC Analysis Date:	09/21/2023		
SRC Well Category:			

Gm Cas No:		**SRC Chemical:**	2814
Gm Result:	2	**SRC Result:**	
Gm Result Modifier:	<	**SRC Result Modifie:**	Y
Gm Chemical Units:	NG/L	**Src Chemical Units:**	NG/L
Gm Chemical Vvl:	9ClPF3ONS	**SRC Report Limit:**	2
Gm Reporting Limit:	2	**SRC Analytic Meth:**	EPA 533
Gm Well Depth Ft:		**SRC Well Depth Ft:**	
Gm Chemical Name:	9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9-Cl-PF3ONS)		
Gm Samp Collection Date:	12/04/2023		
Gm Screen Top Depth Ft:	0		
Gm Screen Bottom Depth Ft:	370		
SRC Samp Collection Date:	12/04/2023		
SRC Samp Collection Time:	11:40:00		
SRC Screen Top Depth Ft:			
SRC Screen Bottom Depth Ft:			
SRC Lab Note:	BSK ANALYTICAL LABORATORIES		
SRC Analysis Date:	12/09/2023		
SRC Well Category:			

Gm Cas No:		**SRC Chemical:**	2823
Gm Result:	1.9	**SRC Result:**	
Gm Result Modifier:	<	**SRC Result Modifie:**	Y
Gm Chemical Units:	NG/L	**Src Chemical Units:**	NG/L
Gm Chemical Vvl:	PFMPA	**SRC Report Limit:**	1.9
Gm Reporting Limit:	1.9	**SRC Analytic Meth:**	EPA 533
Gm Well Depth Ft:		**SRC Well Depth Ft:**	
Gm Chemical Name:	Perfluoro-3-methoxypropanoic acid (PFMPA)		
Gm Samp Collection Date:	03/06/2023		
Gm Screen Top Depth Ft:	0		
Gm Screen Bottom Depth Ft:	370		
SRC Samp Collection Date:	03/06/2023		
SRC Samp Collection Time:	10:48:00		
SRC Screen Top Depth Ft:			
SRC Screen Bottom Depth Ft:			

SRC Lab Note:	TESTAMERICA - WEST SAC (STL SACRAMENTO)		
SRC Analysis Date:	03/24/2023		
SRC Well Category:			
Gm Cas No:		**SRC Chemical:**	2824
Gm Result:	2	**SRC Result:**	
Gm Result Modifier:	<	**SRC Result Modifie:**	Y
Gm Chemical Units:	NG/L	**Src Chemical Units:**	NG/L
Gm Chemical Vvl:	PFPA	**SRC Report Limit:**	2
Gm Reporting Limit:	2	**SRC Analytic Meth:**	EPA 533
Gm Well Depth Ft:		**SRC Well Depth Ft:**	
Gm Chemical Name:	Perfluoropentanoic acid (PFPeA)		
Gm Samp Collection Date:	12/04/2023		
Gm Screen Top Depth Ft:	0		
Gm Screen Bottom Depth Ft:	370		
SRC Samp Collection Date:	12/04/2023		
SRC Samp Collection Time:	11:40:00		
SRC Screen Top Depth Ft:			
SRC Screen Bottom Depth Ft:			
SRC Lab Note:	BSK ANALYTICAL LABORATORIES		
SRC Analysis Date:	12/09/2023		
SRC Well Category:			

Gm Cas No:		**SRC Chemical:**	2803
Gm Result:	2	**SRC Result:**	
Gm Result Modifier:	<	**SRC Result Modifie:**	Y
Gm Chemical Units:	NG/L	**Src Chemical Units:**	NG/L
Gm Chemical Vvl:	PFHXSA	**SRC Report Limit:**	2
Gm Reporting Limit:	2	**SRC Analytic Meth:**	EPA 533
Gm Well Depth Ft:		**SRC Well Depth Ft:**	
Gm Chemical Name:	Perfluorohexanesulfonic acid (PFHxS)		
Gm Samp Collection Date:	12/04/2023		
Gm Screen Top Depth Ft:	0		
Gm Screen Bottom Depth Ft:	370		
SRC Samp Collection Date:	12/04/2023		
SRC Samp Collection Time:	11:40:00		
SRC Screen Top Depth Ft:			
SRC Screen Bottom Depth Ft:			
SRC Lab Note:	BSK ANALYTICAL LABORATORIES		
SRC Analysis Date:	12/09/2023		
SRC Well Category:			

Gm Cas No:		**SRC Chemical:**	2803
Gm Result:	2	**SRC Result:**	
Gm Result Modifier:	<	**SRC Result Modifie:**	Y
Gm Chemical Units:	NG/L	**Src Chemical Units:**	NG/L
Gm Chemical Vvl:	PFHXSA	**SRC Report Limit:**	2
Gm Reporting Limit:	2	**SRC Analytic Meth:**	EPA 533
Gm Well Depth Ft:		**SRC Well Depth Ft:**	
Gm Chemical Name:	Perfluorohexanesulfonic acid (PFHxS)		
Gm Samp Collection Date:	09/15/2023		
Gm Screen Top Depth Ft:	0		
Gm Screen Bottom Depth Ft:	370		
SRC Samp Collection Date:	09/15/2023		
SRC Samp Collection Time:	12:21:00		
SRC Screen Top Depth Ft:			
SRC Screen Bottom Depth Ft:			
SRC Lab Note:	BSK ANALYTICAL LABORATORIES		
SRC Analysis Date:	09/21/2023		
SRC Well Category:			

Gm Cas No:		**SRC Chemical:**	2824
Gm Result:	2	**SRC Result:**	
Gm Result Modifier:	<	**SRC Result Modifie:**	Y
Gm Chemical Units:	NG/L	**Src Chemical Units:**	NG/L
Gm Chemical Vvl:	PFPA	**SRC Report Limit:**	2
Gm Reporting Limit:	2	**SRC Analytic Meth:**	EPA 533
Gm Well Depth Ft:		**SRC Well Depth Ft:**	
Gm Chemical Name:	Perfluoropentanoic acid (PFPeA)		

Gm Samp Collection Date: 06/30/2023
Gm Screen Top Depth Ft: 0
Gm Screen Bottom Depth Ft: 370
SRC Samp Collection Date: 06/30/2023
SRC Samp Collection Time: 11:36:00
SRC Screen Top Depth Ft:
SRC Screen Bottom Depth Ft:
SRC Lab Note: BSK ANALYTICAL LABORATORIES
SRC Analysis Date: 07/13/2023
SRC Well Category:

Gm Cas No:
SRC Chemical: 2829
Gm Result: 1.9
SRC Result:
Gm Result Modifier: <
SRC Result Modifie: Y
Gm Chemical Units: NG/L
Src Chemical Units: NG/L
Gm Chemical Vvl: PFHPSA
SRC Report Limit: 1.9
Gm Reporting Limit: 1.9
SRC Analytic Meth: EPA 533
Gm Well Depth Ft:
SRC Well Depth Ft:
Gm Chemical Name: Perfluoroheptane sulfonic acid (PFHpS)
Gm Samp Collection Date: 03/06/2023
Gm Screen Top Depth Ft: 0
Gm Screen Bottom Depth Ft: 370
SRC Samp Collection Date: 03/06/2023
SRC Samp Collection Time: 10:48:00
SRC Screen Top Depth Ft:
SRC Screen Bottom Depth Ft:
SRC Lab Note: TESTAMERICA - WEST SAC (STL SACRAMENTO)
SRC Analysis Date: 03/24/2023
SRC Well Category:

Gm Cas No:
SRC Chemical: 2815
Gm Result: 2
SRC Result:
Gm Result Modifier: <
SRC Result Modifie: Y
Gm Chemical Units: NG/L
Src Chemical Units: NG/L
Gm Chemical Vvl: ADONA
SRC Report Limit: 2
Gm Reporting Limit: 2
SRC Analytic Meth: EPA 533
Gm Well Depth Ft:
SRC Well Depth Ft:
Gm Chemical Name: 4,8-Dioxa-3H-perfluorononanoic acid (ADONA)
Gm Samp Collection Date: 09/15/2023
Gm Screen Top Depth Ft: 0
Gm Screen Bottom Depth Ft: 370
SRC Samp Collection Date: 09/15/2023
SRC Samp Collection Time: 12:21:00
SRC Screen Top Depth Ft:
SRC Screen Bottom Depth Ft:
SRC Lab Note: BSK ANALYTICAL LABORATORIES
SRC Analysis Date: 09/21/2023
SRC Well Category:

Gm Cas No:
SRC Chemical: 2816
Gm Result: 2
SRC Result:
Gm Result Modifier: <
SRC Result Modifie: Y
Gm Chemical Units: NG/L
Src Chemical Units: NG/L
Gm Chemical Vvl: HFPA-DA
SRC Report Limit: 2
Gm Reporting Limit: 2
SRC Analytic Meth: EPA 533
Gm Well Depth Ft:
SRC Well Depth Ft:
Gm Chemical Name: 2,3,3,3-tetrafluoro-2-(1,1,2,2,3,3,3-heptafluoropropoxy) propanoic acid (HFPO-DA)
Gm Samp Collection Date: 09/15/2023
Gm Screen Top Depth Ft: 0
Gm Screen Bottom Depth Ft: 370
SRC Samp Collection Date: 09/15/2023
SRC Samp Collection Time: 12:21:00
SRC Screen Top Depth Ft:
SRC Screen Bottom Depth Ft:
SRC Lab Note: BSK ANALYTICAL LABORATORIES
SRC Analysis Date: 09/21/2023
SRC Well Category:

Gm Cas No:
SRC Chemical: 2819

Gm Result:	1.9	**SRC Result:**	
Gm Result Modifier:	<	**SRC Result Modifie:**	Y
Gm Chemical Units:	NG/L	**Src Chemical Units:**	NG/L
Gm Chemical Vvl:	PFBTA	**SRC Report Limit:**	1.9
Gm Reporting Limit:	1.9	**SRC Analytic Meth:**	EPA 533
Gm Well Depth Ft:		**SRC Well Depth Ft:**	
Gm Chemical Name:	Perfluorobutyric acid (PFBA)		
Gm Samp Collection Date:	03/06/2023		
Gm Screen Top Depth Ft:	0		
Gm Screen Bottom Depth Ft:	370		
SRC Samp Collection Date:	03/06/2023		
SRC Samp Collection Time:	10:48:00		
SRC Screen Top Depth Ft:			
SRC Screen Bottom Depth Ft:			
SRC Lab Note:	TESTAMERICA - WEST SAC (STL SACRAMENTO)		
SRC Analysis Date:	03/24/2023		
SRC Well Category:			

Gm Cas No:		**SRC Chemical:**	2821
Gm Result:	2	**SRC Result:**	
Gm Result Modifier:	<	**SRC Result Modifie:**	Y
Gm Chemical Units:	NG/L	**Src Chemical Units:**	NG/L
Gm Chemical Vvl:	4:2FTS	**SRC Report Limit:**	2
Gm Reporting Limit:	2	**SRC Analytic Meth:**	EPA 533
Gm Well Depth Ft:		**SRC Well Depth Ft:**	
Gm Chemical Name:	4:2 Fluorotelomer sulfonic acid (1H, 1H, 2H, 2H-Perfluorohexanesulfonic acid) (4:2 FTS)		
Gm Samp Collection Date:	12/04/2023		
Gm Screen Top Depth Ft:	0		
Gm Screen Bottom Depth Ft:	370		
SRC Samp Collection Date:	12/04/2023		
SRC Samp Collection Time:	11:40:00		
SRC Screen Top Depth Ft:			
SRC Screen Bottom Depth Ft:			
SRC Lab Note:	BSK ANALYTICAL LABORATORIES		
SRC Analysis Date:	12/09/2023		
SRC Well Category:			

Gm Cas No:		**SRC Chemical:**	2808
Gm Result:	2	**SRC Result:**	
Gm Result Modifier:	<	**SRC Result Modifie:**	Y
Gm Chemical Units:	NG/L	**Src Chemical Units:**	NG/L
Gm Chemical Vvl:	PFDOA	**SRC Report Limit:**	2
Gm Reporting Limit:	2	**SRC Analytic Meth:**	EPA 533
Gm Well Depth Ft:		**SRC Well Depth Ft:**	
Gm Chemical Name:	Perfluorododecanoic acid (PFDoDA)		
Gm Samp Collection Date:	06/30/2023		
Gm Screen Top Depth Ft:	0		
Gm Screen Bottom Depth Ft:	370		
SRC Samp Collection Date:	06/30/2023		
SRC Samp Collection Time:	11:36:00		
SRC Screen Top Depth Ft:			
SRC Screen Bottom Depth Ft:			
SRC Lab Note:	BSK ANALYTICAL LABORATORIES		
SRC Analysis Date:	07/13/2023		
SRC Well Category:			

Gm Cas No:		**SRC Chemical:**	2807
Gm Result:	1.9	**SRC Result:**	
Gm Result Modifier:	<	**SRC Result Modifie:**	Y
Gm Chemical Units:	NG/L	**Src Chemical Units:**	NG/L
Gm Chemical Vvl:	PFNDCA	**SRC Report Limit:**	1.9
Gm Reporting Limit:	1.9	**SRC Analytic Meth:**	EPA 533
Gm Well Depth Ft:		**SRC Well Depth Ft:**	
Gm Chemical Name:	Perfluorodecanoic acid (PFDA)		
Gm Samp Collection Date:	03/06/2023		
Gm Screen Top Depth Ft:	0		
Gm Screen Bottom Depth Ft:	370		
SRC Samp Collection Date:	03/06/2023		
SRC Samp Collection Time:	10:48:00		

SRC Screen Top Depth Ft:
SRC Screen Bottom Depth Ft:
SRC Lab Note: TESTAMERICA - WEST SAC (STL SACRAMENTO)
SRC Analysis Date: 03/24/2023
SRC Well Category:

Gm Cas No: **SRC Chemical:** 2829
Gm Result: 2 **SRC Result:**
Gm Result Modifier: < **SRC Result Modifie:** Y
Gm Chemical Units: NG/L **Src Chemical Units:** NG/L
Gm Chemical Vvl: PFHPSA **SRC Report Limit:** 2
Gm Reporting Limit: 2 **SRC Analytic Meth:** EPA 533
Gm Well Depth Ft: **SRC Well Depth Ft:**
Gm Chemical Name: Perfluoroheptane sulfonic acid (PFHpS)
Gm Samp Collection Date: 09/15/2023
Gm Screen Top Depth Ft: 0
Gm Screen Bottom Depth Ft: 370
SRC Samp Collection Date: 09/15/2023
SRC Samp Collection Time: 12:21:00
SRC Screen Top Depth Ft:
SRC Screen Bottom Depth Ft:
SRC Lab Note: BSK ANALYTICAL LABORATORIES
SRC Analysis Date: 09/21/2023
SRC Well Category:

Gm Cas No: **SRC Chemical:** 2816
Gm Result: 2 **SRC Result:**
Gm Result Modifier: < **SRC Result Modifie:** Y
Gm Chemical Units: NG/L **Src Chemical Units:** NG/L
Gm Chemical Vvl: HFPA-DA **SRC Report Limit:** 2
Gm Reporting Limit: 2 **SRC Analytic Meth:** EPA 533
Gm Well Depth Ft: **SRC Well Depth Ft:**
Gm Chemical Name: 2,3,3,3-tetrafluoro-2-(1,1,2,2,3,3,3-heptafluoropropoxy) propanoic acid (HFPO-DA)
Gm Samp Collection Date: 06/30/2023
Gm Screen Top Depth Ft: 0
Gm Screen Bottom Depth Ft: 370
SRC Samp Collection Date: 06/30/2023
SRC Samp Collection Time: 11:36:00
SRC Screen Top Depth Ft:
SRC Screen Bottom Depth Ft:
SRC Lab Note: BSK ANALYTICAL LABORATORIES
SRC Analysis Date: 07/13/2023
SRC Well Category:

Gm Cas No: **SRC Chemical:** 2805
Gm Result: 2 **SRC Result:**
Gm Result Modifier: < **SRC Result Modifie:** Y
Gm Chemical Units: NG/L **Src Chemical Units:** NG/L
Gm Chemical Vvl: PFOS **SRC Report Limit:** 2
Gm Reporting Limit: 2 **SRC Analytic Meth:** EPA 533
Gm Well Depth Ft: **SRC Well Depth Ft:**
Gm Chemical Name: Perfluorooctane sulfonate (PFOS)
Gm Samp Collection Date: 12/04/2023
Gm Screen Top Depth Ft: 0
Gm Screen Bottom Depth Ft: 370
SRC Samp Collection Date: 12/04/2023
SRC Samp Collection Time: 11:40:00
SRC Screen Top Depth Ft:
SRC Screen Bottom Depth Ft:
SRC Lab Note: BSK ANALYTICAL LABORATORIES
SRC Analysis Date: 12/09/2023
SRC Well Category:

Gm Cas No: **SRC Chemical:** 2827
Gm Result: 2 **SRC Result:**
Gm Result Modifier: < **SRC Result Modifie:** Y
Gm Chemical Units: NG/L **Src Chemical Units:** NG/L
Gm Chemical Vvl: NFDHA **SRC Report Limit:** 2
Gm Reporting Limit: 2 **SRC Analytic Meth:** EPA 533

Gm Well Depth Ft: **SRC Well Depth Ft:**
Gm Chemical Name: Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)
Gm Samp Collection Date: 06/30/2023
Gm Screen Top Depth Ft: 0
Gm Screen Bottom Depth Ft: 370
SRC Samp Collection Date: 06/30/2023
SRC Samp Collection Time: 11:36:00
SRC Screen Top Depth Ft:
SRC Screen Bottom Depth Ft:
SRC Lab Note: BSK ANALYTICAL LABORATORIES
SRC Analysis Date: 07/13/2023
SRC Well Category:

Gm Cas No: **SRC Chemical:** 2820
Gm Result: 2 **SRC Result:**
Gm Result Modifier: < **SRC Result Modifie:** Y
Gm Chemical Units: NG/L **Src Chemical Units:** NG/L
Gm Chemical Vvl: 6:2FTS **SRC Report Limit:** 2
Gm Reporting Limit: 2 **SRC Analytic Meth:** EPA 533
Gm Well Depth Ft: **SRC Well Depth Ft:**
Gm Chemical Name: 6:2 Fluorotelomer sulfonic acid (1H,1H,2H,2H-Perfluorooctanesulfonic acid) (6:2 FTS)
Gm Samp Collection Date: 09/15/2023
Gm Screen Top Depth Ft: 0
Gm Screen Bottom Depth Ft: 370
SRC Samp Collection Date: 09/15/2023
SRC Samp Collection Time: 12:21:00
SRC Screen Top Depth Ft:
SRC Screen Bottom Depth Ft:
SRC Lab Note: BSK ANALYTICAL LABORATORIES
SRC Analysis Date: 09/21/2023
SRC Well Category:

Gm Cas No: **SRC Chemical:** 2824
Gm Result: 1.9 **SRC Result:**
Gm Result Modifier: < **SRC Result Modifie:** Y
Gm Chemical Units: NG/L **Src Chemical Units:** NG/L
Gm Chemical Vvl: PFPA **SRC Report Limit:** 1.9
Gm Reporting Limit: 1.9 **SRC Analytic Meth:** EPA 533
Gm Well Depth Ft: **SRC Well Depth Ft:**
Gm Chemical Name: Perfluoropentanoic acid (PFPeA)
Gm Samp Collection Date: 03/06/2023
Gm Screen Top Depth Ft: 0
Gm Screen Bottom Depth Ft: 370
SRC Samp Collection Date: 03/06/2023
SRC Samp Collection Time: 10:48:00
SRC Screen Top Depth Ft:
SRC Screen Bottom Depth Ft:
SRC Lab Note: TESTAMERICA - WEST SAC (STL SACRAMENTO)
SRC Analysis Date: 03/24/2023
SRC Well Category:

Gm Cas No: **SRC Chemical:** 2826
Gm Result: 2 **SRC Result:**
Gm Result Modifier: < **SRC Result Modifie:** Y
Gm Chemical Units: NG/L **Src Chemical Units:** NG/L
Gm Chemical Vvl: PFEESA **SRC Report Limit:** 2
Gm Reporting Limit: 2 **SRC Analytic Meth:** EPA 533
Gm Well Depth Ft: **SRC Well Depth Ft:**
Gm Chemical Name: Perfluoro(2-ethoxyethane) sulfonic acid (PFEESA)
Gm Samp Collection Date: 09/15/2023
Gm Screen Top Depth Ft: 0
Gm Screen Bottom Depth Ft: 370
SRC Samp Collection Date: 09/15/2023
SRC Samp Collection Time: 12:21:00
SRC Screen Top Depth Ft:
SRC Screen Bottom Depth Ft:
SRC Lab Note: BSK ANALYTICAL LABORATORIES
SRC Analysis Date: 09/21/2023
SRC Well Category:

Gm Cas No:		**SRC Chemical:**	2826
Gm Result:	2	**SRC Result:**	
Gm Result Modifier:	<	**SRC Result Modifie:**	Y
Gm Chemical Units:	NG/L	**Src Chemical Units:**	NG/L
Gm Chemical Vvl:	PFEESA	**SRC Report Limit:**	2
Gm Reporting Limit:	2	**SRC Analytic Meth:**	EPA 533
Gm Well Depth Ft:		**SRC Well Depth Ft:**	
Gm Chemical Name:	Perfluoro(2-ethoxyethane) sulfonic acid (PFEESA)		
Gm Samp Collection Date:	12/04/2023		
Gm Screen Top Depth Ft:	0		
Gm Screen Bottom Depth Ft:	370		
SRC Samp Collection Date:	12/04/2023		
SRC Samp Collection Time:	11:40:00		
SRC Screen Top Depth Ft:			
SRC Screen Bottom Depth Ft:			
SRC Lab Note:	BSK ANALYTICAL LABORATORIES		
SRC Analysis Date:	12/09/2023		
SRC Well Category:			

Gm Cas No:		**SRC Chemical:**	2828
Gm Result:	2	**SRC Result:**	
Gm Result Modifier:	<	**SRC Result Modifie:**	Y
Gm Chemical Units:	NG/L	**Src Chemical Units:**	NG/L
Gm Chemical Vvl:	PFPES	**SRC Report Limit:**	2
Gm Reporting Limit:	2	**SRC Analytic Meth:**	EPA 533
Gm Well Depth Ft:		**SRC Well Depth Ft:**	
Gm Chemical Name:	Perfluoropentane sulfonoic acid (PFPeS)		
Gm Samp Collection Date:	09/15/2023		
Gm Screen Top Depth Ft:	0		
Gm Screen Bottom Depth Ft:	370		
SRC Samp Collection Date:	09/15/2023		
SRC Samp Collection Time:	12:21:00		
SRC Screen Top Depth Ft:			
SRC Screen Bottom Depth Ft:			
SRC Lab Note:	BSK ANALYTICAL LABORATORIES		
SRC Analysis Date:	09/21/2023		
SRC Well Category:			

Gm Cas No:		**SRC Chemical:**	2816
Gm Result:	1.9	**SRC Result:**	
Gm Result Modifier:	<	**SRC Result Modifie:**	Y
Gm Chemical Units:	NG/L	**Src Chemical Units:**	NG/L
Gm Chemical Vvl:	HFPA-DA	**SRC Report Limit:**	1.9
Gm Reporting Limit:	1.9	**SRC Analytic Meth:**	EPA 533
Gm Well Depth Ft:		**SRC Well Depth Ft:**	
Gm Chemical Name:	2,3,3,3-tetrafluoro-2-(1,1,2,2,3,3,3-heptafluoropropoxy) propanoic acid (HFPO-DA)		
Gm Samp Collection Date:	03/06/2023		
Gm Screen Top Depth Ft:	0		
Gm Screen Bottom Depth Ft:	370		
SRC Samp Collection Date:	03/06/2023		
SRC Samp Collection Time:	10:48:00		
SRC Screen Top Depth Ft:			
SRC Screen Bottom Depth Ft:			
SRC Lab Note:	TESTAMERICA - WEST SAC (STL SACRAMENTO)		
SRC Analysis Date:	03/24/2023		
SRC Well Category:			

Gm Cas No:		**SRC Chemical:**	2828
Gm Result:	1.9	**SRC Result:**	
Gm Result Modifier:	<	**SRC Result Modifie:**	Y
Gm Chemical Units:	NG/L	**Src Chemical Units:**	NG/L
Gm Chemical Vvl:	PFPES	**SRC Report Limit:**	1.9
Gm Reporting Limit:	1.9	**SRC Analytic Meth:**	EPA 533
Gm Well Depth Ft:		**SRC Well Depth Ft:**	
Gm Chemical Name:	Perfluoropentane sulfonoic acid (PFPeS)		
Gm Samp Collection Date:	03/06/2023		
Gm Screen Top Depth Ft:	0		
Gm Screen Bottom Depth Ft:	370		

SRC Samp Collection Date:	03/06/2023		
SRC Samp Collection Time:	10:48:00		
SRC Screen Top Depth Ft:			
SRC Screen Bottom Depth Ft:			
SRC Lab Note:	TESTAMERICA - WEST SAC (STL SACRAMENTO)		
SRC Analysis Date:	03/24/2023		
SRC Well Category:			

Gm Cas No:		**SRC Chemical:**	2812
Gm Result:	2	**SRC Result:**	
Gm Result Modifier:	<	**SRC Result Modifie:**	Y
Gm Chemical Units:	NG/L	**Src Chemical Units:**	NG/L
Gm Chemical Vvl:	PFUNDCA	**SRC Report Limit:**	2
Gm Reporting Limit:	2	**SRC Analytic Meth:**	EPA 533
Gm Well Depth Ft:		**SRC Well Depth Ft:**	
Gm Chemical Name:	Perfluoroundecanoic acid (PFUnDA)		
Gm Samp Collection Date:	12/04/2023		
Gm Screen Top Depth Ft:	0		
Gm Screen Bottom Depth Ft:	370		
SRC Samp Collection Date:	12/04/2023		
SRC Samp Collection Time:	11:40:00		
SRC Screen Top Depth Ft:			
SRC Screen Bottom Depth Ft:			
SRC Lab Note:	BSK ANALYTICAL LABORATORIES		
SRC Analysis Date:	12/09/2023		
SRC Well Category:			

Gm Cas No:		**SRC Chemical:**	2808
Gm Result:	2	**SRC Result:**	
Gm Result Modifier:	<	**SRC Result Modifie:**	Y
Gm Chemical Units:	NG/L	**Src Chemical Units:**	NG/L
Gm Chemical Vvl:	PFDOA	**SRC Report Limit:**	2
Gm Reporting Limit:	2	**SRC Analytic Meth:**	EPA 533
Gm Well Depth Ft:		**SRC Well Depth Ft:**	
Gm Chemical Name:	Perfluorododecanoic acid (PFDoDA)		
Gm Samp Collection Date:	12/04/2023		
Gm Screen Top Depth Ft:	0		
Gm Screen Bottom Depth Ft:	370		
SRC Samp Collection Date:	12/04/2023		
SRC Samp Collection Time:	11:40:00		
SRC Screen Top Depth Ft:			
SRC Screen Bottom Depth Ft:			
SRC Lab Note:	BSK ANALYTICAL LABORATORIES		
SRC Analysis Date:	12/09/2023		
SRC Well Category:			

Gm Cas No:		**SRC Chemical:**	2819
Gm Result:	2	**SRC Result:**	
Gm Result Modifier:	<	**SRC Result Modifie:**	Y
Gm Chemical Units:	NG/L	**Src Chemical Units:**	NG/L
Gm Chemical Vvl:	PFBTA	**SRC Report Limit:**	2
Gm Reporting Limit:	2	**SRC Analytic Meth:**	EPA 533
Gm Well Depth Ft:		**SRC Well Depth Ft:**	
Gm Chemical Name:	Perfluorobutyric acid (PFBA)		
Gm Samp Collection Date:	12/04/2023		
Gm Screen Top Depth Ft:	0		
Gm Screen Bottom Depth Ft:	370		
SRC Samp Collection Date:	12/04/2023		
SRC Samp Collection Time:	11:40:00		
SRC Screen Top Depth Ft:			
SRC Screen Bottom Depth Ft:			
SRC Lab Note:	BSK ANALYTICAL LABORATORIES		
SRC Analysis Date:	12/09/2023		
SRC Well Category:			

Gm Cas No:		**SRC Chemical:**	2815
Gm Result:	2	**SRC Result:**	
Gm Result Modifier:	<	**SRC Result Modifie:**	Y
Gm Chemical Units:	NG/L	**Src Chemical Units:**	NG/L

Gm Chemical Vvl:	ADONA	**SRC Report Limit:**	2
Gm Reporting Limit:	2	**SRC Analytic Meth:**	EPA 533
Gm Well Depth Ft:		**SRC Well Depth Ft:**	
Gm Chemical Name:	4,8-Dioxa-3H-perfluorononanoic acid (ADONA)		
Gm Samp Collection Date:	12/04/2023		
Gm Screen Top Depth Ft:	0		
Gm Screen Bottom Depth Ft:	370		
SRC Samp Collection Date:	12/04/2023		
SRC Samp Collection Time:	11:40:00		
SRC Screen Top Depth Ft:			
SRC Screen Bottom Depth Ft:			
SRC Lab Note:	BSK ANALYTICAL LABORATORIES		
SRC Analysis Date:	12/09/2023		
SRC Well Category:			

Gm Cas No:		**SRC Chemical:**	2803
Gm Result:	1.9	**SRC Result:**	
Gm Result Modifier:	<	**SRC Result Modifie:**	Y
Gm Chemical Units:	NG/L	**Src Chemical Units:**	NG/L
Gm Chemical Vvl:	PFHXSA	**SRC Report Limit:**	1.9
Gm Reporting Limit:	1.9	**SRC Analytic Meth:**	EPA 533
Gm Well Depth Ft:		**SRC Well Depth Ft:**	
Gm Chemical Name:	Perfluorohexanesulfonic acid (PFHxS)		
Gm Samp Collection Date:	03/06/2023		
Gm Screen Top Depth Ft:	0		
Gm Screen Bottom Depth Ft:	370		
SRC Samp Collection Date:	03/06/2023		
SRC Samp Collection Time:	10:48:00		
SRC Screen Top Depth Ft:			
SRC Screen Bottom Depth Ft:			
SRC Lab Note:	TESTAMERICA - WEST SAC (STL SACRAMENTO)		
SRC Analysis Date:	03/24/2023		
SRC Well Category:			

Gm Cas No:		**SRC Chemical:**	2828
Gm Result:	2	**SRC Result:**	
Gm Result Modifier:	<	**SRC Result Modifie:**	Y
Gm Chemical Units:	NG/L	**Src Chemical Units:**	NG/L
Gm Chemical Vvl:	PFPES	**SRC Report Limit:**	2
Gm Reporting Limit:	2	**SRC Analytic Meth:**	EPA 533
Gm Well Depth Ft:		**SRC Well Depth Ft:**	
Gm Chemical Name:	Perfluoropentane sulfonoic acid (PFPeS)		
Gm Samp Collection Date:	06/30/2023		
Gm Screen Top Depth Ft:	0		
Gm Screen Bottom Depth Ft:	370		
SRC Samp Collection Date:	06/30/2023		
SRC Samp Collection Time:	11:36:00		
SRC Screen Top Depth Ft:			
SRC Screen Bottom Depth Ft:			
SRC Lab Note:	BSK ANALYTICAL LABORATORIES		
SRC Analysis Date:	07/13/2023		
SRC Well Category:			

Gm Cas No:		**SRC Chemical:**	2827
Gm Result:	2	**SRC Result:**	
Gm Result Modifier:	<	**SRC Result Modifie:**	Y
Gm Chemical Units:	NG/L	**Src Chemical Units:**	NG/L
Gm Chemical Vvl:	NFDHA	**SRC Report Limit:**	2
Gm Reporting Limit:	2	**SRC Analytic Meth:**	EPA 533
Gm Well Depth Ft:		**SRC Well Depth Ft:**	
Gm Chemical Name:	Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)		
Gm Samp Collection Date:	12/04/2023		
Gm Screen Top Depth Ft:	0		
Gm Screen Bottom Depth Ft:	370		
SRC Samp Collection Date:	12/04/2023		
SRC Samp Collection Time:	11:40:00		
SRC Screen Top Depth Ft:			
SRC Screen Bottom Depth Ft:			
SRC Lab Note:	BSK ANALYTICAL LABORATORIES		

SRC Analysis Date: 12/09/2023
SRC Well Category:

Gm Cas No: **SRC Chemical:** 2807
Gm Result: 2 **SRC Result:**
Gm Result Modifier: < **SRC Result Modifie:** Y
Gm Chemical Units: NG/L **Src Chemical Units:** NG/L
Gm Chemical Vvl: PFNDCA **SRC Report Limit:** 2
Gm Reporting Limit: 2 **SRC Analytic Meth:** EPA 533
Gm Well Depth Ft: **SRC Well Depth Ft:**
Gm Chemical Name: Perfluorodecanoic acid (PFDA)
Gm Samp Collection Date: 06/30/2023
Gm Screen Top Depth Ft: 0
Gm Screen Bottom Depth Ft: 370
SRC Samp Collection Date: 06/30/2023
SRC Samp Collection Time: 11:36:00
SRC Screen Top Depth Ft:
SRC Screen Bottom Depth Ft:
SRC Lab Note: BSK ANALYTICAL LABORATORIES
SRC Analysis Date: 07/13/2023
SRC Well Category:

Gm Cas No: **SRC Chemical:** 2820
Gm Result: 1.9 **SRC Result:**
Gm Result Modifier: < **SRC Result Modifie:** Y
Gm Chemical Units: NG/L **Src Chemical Units:** NG/L
Gm Chemical Vvl: 6:2FTS **SRC Report Limit:** 1.9
Gm Reporting Limit: 1.9 **SRC Analytic Meth:** EPA 533
Gm Well Depth Ft: **SRC Well Depth Ft:**
Gm Chemical Name: 6:2 Fluorotelomer sulfonic acid (1H,1H,2H,2H-Perfluorooctanesulfonic acid) (6:2 FTS)
Gm Samp Collection Date: 03/06/2023
Gm Screen Top Depth Ft: 0
Gm Screen Bottom Depth Ft: 370
SRC Samp Collection Date: 03/06/2023
SRC Samp Collection Time: 10:48:00
SRC Screen Top Depth Ft:
SRC Screen Bottom Depth Ft:
SRC Lab Note: TESTAMERICA - WEST SAC (STL SACRAMENTO)
SRC Analysis Date: 03/24/2023
SRC Well Category:

Gm Cas No: **SRC Chemical:** 2814
Gm Result: 2 **SRC Result:**
Gm Result Modifier: < **SRC Result Modifie:** Y
Gm Chemical Units: NG/L **Src Chemical Units:** NG/L
Gm Chemical Vvl: 9ClPF3ONS **SRC Report Limit:** 2
Gm Reporting Limit: 2 **SRC Analytic Meth:** EPA 533
Gm Well Depth Ft: **SRC Well Depth Ft:**
Gm Chemical Name: 9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9-Cl-PF3ONS)
Gm Samp Collection Date: 06/30/2023
Gm Screen Top Depth Ft: 0
Gm Screen Bottom Depth Ft: 370
SRC Samp Collection Date: 06/30/2023
SRC Samp Collection Time: 11:36:00
SRC Screen Top Depth Ft:
SRC Screen Bottom Depth Ft:
SRC Lab Note: BSK ANALYTICAL LABORATORIES
SRC Analysis Date: 07/13/2023
SRC Well Category:

Gm Cas No: **SRC Chemical:** 2805
Gm Result: 1.9 **SRC Result:**
Gm Result Modifier: < **SRC Result Modifie:** Y
Gm Chemical Units: NG/L **Src Chemical Units:** NG/L
Gm Chemical Vvl: PFOS **SRC Report Limit:** 1.9
Gm Reporting Limit: 1.9 **SRC Analytic Meth:** EPA 533
Gm Well Depth Ft: **SRC Well Depth Ft:**
Gm Chemical Name: Perfluorooctane sulfonate (PFOS)
Gm Samp Collection Date: 03/06/2023

Gm Screen Top Depth Ft: 0
Gm Screen Bottom Depth Ft: 370
SRC Samp Collection Date: 03/06/2023
SRC Samp Collection Time: 10:48:00
SRC Screen Top Depth Ft:
SRC Screen Bottom Depth Ft:
SRC Lab Note: TESTAMERICA - WEST SAC (STL SACRAMENTO)
SRC Analysis Date: 03/24/2023
SRC Well Category:

Gm Cas No: **SRC Chemical:** 2813
Gm Result: 2 **SRC Result:**
Gm Result Modifier: < **SRC Result Modifie:** Y
Gm Chemical Units: NG/L **Src Chemical Units:** NG/L
Gm Chemical Vvl: 11ClPF3OUDS **SRC Report Limit:** 2
Gm Reporting Limit: 2 **SRC Analytic Meth:** EPA 533
Gm Well Depth Ft: **SRC Well Depth Ft:**
Gm Chemical Name: 11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11-Cl-PF3OUdS)
Gm Samp Collection Date: 09/15/2023
Gm Screen Top Depth Ft: 0
Gm Screen Bottom Depth Ft: 370
SRC Samp Collection Date: 09/15/2023
SRC Samp Collection Time: 12:21:00
SRC Screen Top Depth Ft:
SRC Screen Bottom Depth Ft:
SRC Lab Note: BSK ANALYTICAL LABORATORIES
SRC Analysis Date: 09/21/2023
SRC Well Category:

Gm Cas No: **SRC Chemical:** 2813
Gm Result: 1.9 **SRC Result:**
Gm Result Modifier: < **SRC Result Modifie:** Y
Gm Chemical Units: NG/L **Src Chemical Units:** NG/L
Gm Chemical Vvl: 11ClPF3OUDS **SRC Report Limit:** 1.9
Gm Reporting Limit: 1.9 **SRC Analytic Meth:** EPA 533
Gm Well Depth Ft: **SRC Well Depth Ft:**
Gm Chemical Name: 11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11-Cl-PF3OUdS)
Gm Samp Collection Date: 03/06/2023
Gm Screen Top Depth Ft: 0
Gm Screen Bottom Depth Ft: 370
SRC Samp Collection Date: 03/06/2023
SRC Samp Collection Time: 10:48:00
SRC Screen Top Depth Ft:
SRC Screen Bottom Depth Ft:
SRC Lab Note: TESTAMERICA - WEST SAC (STL SACRAMENTO)
SRC Analysis Date: 03/24/2023
SRC Well Category:

Gm Cas No: **SRC Chemical:** 2827
Gm Result: 1.9 **SRC Result:**
Gm Result Modifier: < **SRC Result Modifie:** Y
Gm Chemical Units: NG/L **Src Chemical Units:** NG/L
Gm Chemical Vvl: NFDHA **SRC Report Limit:** 1.9
Gm Reporting Limit: 1.9 **SRC Analytic Meth:** EPA 533
Gm Well Depth Ft: **SRC Well Depth Ft:**
Gm Chemical Name: Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)
Gm Samp Collection Date: 03/06/2023
Gm Screen Top Depth Ft: 0
Gm Screen Bottom Depth Ft: 370
SRC Samp Collection Date: 03/06/2023
SRC Samp Collection Time: 10:48:00
SRC Screen Top Depth Ft:
SRC Screen Bottom Depth Ft:
SRC Lab Note: TESTAMERICA - WEST SAC (STL SACRAMENTO)
SRC Analysis Date: 03/24/2023
SRC Well Category:

Gm Cas No: **SRC Chemical:** 2807
Gm Result: 2 **SRC Result:**

Gm Result Modifier:	<	**SRC Result Modifie:**	Y
Gm Chemical Units:	NG/L	**Src Chemical Units:**	NG/L
Gm Chemical Vvl:	PFNDCA	**SRC Report Limit:**	2
Gm Reporting Limit:	2	**SRC Analytic Meth:**	EPA 533
Gm Well Depth Ft:		**SRC Well Depth Ft:**	
Gm Chemical Name:	Perfluorodecanoic acid (PFDA)		
Gm Samp Collection Date:	12/04/2023		
Gm Screen Top Depth Ft:	0		
Gm Screen Bottom Depth Ft:	370		
SRC Samp Collection Date:	12/04/2023		
SRC Samp Collection Time:	11:40:00		
SRC Screen Top Depth Ft:			
SRC Screen Bottom Depth Ft:			
SRC Lab Note:	BSK ANALYTICAL LABORATORIES		
SRC Analysis Date:	12/09/2023		
SRC Well Category:			

Gm Cas No:		**SRC Chemical:**	2824
Gm Result:	2	**SRC Result:**	
Gm Result Modifier:	<	**SRC Result Modifie:**	Y
Gm Chemical Units:	NG/L	**Src Chemical Units:**	NG/L
Gm Chemical Vvl:	PFPA	**SRC Report Limit:**	2
Gm Reporting Limit:	2	**SRC Analytic Meth:**	EPA 533
Gm Well Depth Ft:		**SRC Well Depth Ft:**	
Gm Chemical Name:	Perfluoropentanoic acid (PFPeA)		
Gm Samp Collection Date:	09/15/2023		
Gm Screen Top Depth Ft:	0		
Gm Screen Bottom Depth Ft:	370		
SRC Samp Collection Date:	09/15/2023		
SRC Samp Collection Time:	12:21:00		
SRC Screen Top Depth Ft:			
SRC Screen Bottom Depth Ft:			
SRC Lab Note:	BSK ANALYTICAL LABORATORIES		
SRC Analysis Date:	09/21/2023		
SRC Well Category:			

Gm Cas No:		**SRC Chemical:**	2809
Gm Result:	1.9	**SRC Result:**	
Gm Result Modifier:	<	**SRC Result Modifie:**	Y
Gm Chemical Units:	NG/L	**Src Chemical Units:**	NG/L
Gm Chemical Vvl:	PFHA	**SRC Report Limit:**	1.9
Gm Reporting Limit:	1.9	**SRC Analytic Meth:**	EPA 533
Gm Well Depth Ft:		**SRC Well Depth Ft:**	
Gm Chemical Name:	Perfluorohexanoic acid (PFHxA)		
Gm Samp Collection Date:	03/06/2023		
Gm Screen Top Depth Ft:	0		
Gm Screen Bottom Depth Ft:	370		
SRC Samp Collection Date:	03/06/2023		
SRC Samp Collection Time:	10:48:00		
SRC Screen Top Depth Ft:			
SRC Screen Bottom Depth Ft:			
SRC Lab Note:	TESTAMERICA - WEST SAC (STL SACRAMENTO)		
SRC Analysis Date:	03/24/2023		
SRC Well Category:			

Gm Cas No:		**SRC Chemical:**	2802
Gm Result:	2	**SRC Result:**	
Gm Result Modifier:	<	**SRC Result Modifie:**	Y
Gm Chemical Units:	NG/L	**Src Chemical Units:**	NG/L
Gm Chemical Vvl:	PFHPA	**SRC Report Limit:**	2
Gm Reporting Limit:	2	**SRC Analytic Meth:**	EPA 533
Gm Well Depth Ft:		**SRC Well Depth Ft:**	
Gm Chemical Name:	Perfluoroheptanoic acid (PFHpA)		
Gm Samp Collection Date:	06/30/2023		
Gm Screen Top Depth Ft:	0		
Gm Screen Bottom Depth Ft:	370		
SRC Samp Collection Date:	06/30/2023		
SRC Samp Collection Time:	11:36:00		
SRC Screen Top Depth Ft:			

SRC Screen Bottom Depth Ft:
SRC Lab Note: BSK ANALYTICAL LABORATORIES
SRC Analysis Date: 07/13/2023
SRC Well Category:

Gm Cas No:
Gm Result: 1.9
Gm Result Modifier: <
Gm Chemical Units: NG/L
Gm Chemical Vvl: 4:2FTS
Gm Reporting Limit: 1.9
Gm Well Depth Ft:
SRC Chemical: 2821
SRC Result:
SRC Result Modifie: Y
Src Chemical Units: NG/L
SRC Report Limit: 1.9
SRC Analytic Meth: EPA 533
SRC Well Depth Ft:
Gm Chemical Name: 4:2 Fluorotelomer sulfonic acid (1H, 1H, 2H, 2H-Perfluorohexanesulfonic acid) (4:2 FTS)
Gm Samp Collection Date: 03/06/2023
Gm Screen Top Depth Ft: 0
Gm Screen Bottom Depth Ft: 370
SRC Samp Collection Date: 03/06/2023
SRC Samp Collection Time: 10:48:00
SRC Screen Top Depth Ft:
SRC Screen Bottom Depth Ft:
SRC Lab Note: TESTAMERICA - WEST SAC (STL SACRAMENTO)
SRC Analysis Date: 03/24/2023
SRC Well Category:

Gm Cas No:
Gm Result: 2
Gm Result Modifier: <
Gm Chemical Units: NG/L
Gm Chemical Vvl: PFOS
Gm Reporting Limit: 2
Gm Well Depth Ft:
SRC Chemical: 2805
SRC Result:
SRC Result Modifie: Y
Src Chemical Units: NG/L
SRC Report Limit: 2
SRC Analytic Meth: EPA 533
SRC Well Depth Ft:
Gm Chemical Name: Perfluorooctane sulfonate (PFOS)
Gm Samp Collection Date: 09/15/2023
Gm Screen Top Depth Ft: 0
Gm Screen Bottom Depth Ft: 370
SRC Samp Collection Date: 09/15/2023
SRC Samp Collection Time: 12:21:00
SRC Screen Top Depth Ft:
SRC Screen Bottom Depth Ft:
SRC Lab Note: BSK ANALYTICAL LABORATORIES
SRC Analysis Date: 09/21/2023
SRC Well Category:

Gm Cas No:
Gm Result: 2
Gm Result Modifier: <
Gm Chemical Units: NG/L
Gm Chemical Vvl: PFOS
Gm Reporting Limit: 2
Gm Well Depth Ft:
SRC Chemical: 2805
SRC Result:
SRC Result Modifie: Y
Src Chemical Units: NG/L
SRC Report Limit: 2
SRC Analytic Meth: EPA 533
SRC Well Depth Ft:
Gm Chemical Name: Perfluorooctane sulfonate (PFOS)
Gm Samp Collection Date: 06/30/2023
Gm Screen Top Depth Ft: 0
Gm Screen Bottom Depth Ft: 370
SRC Samp Collection Date: 06/30/2023
SRC Samp Collection Time: 11:36:00
SRC Screen Top Depth Ft:
SRC Screen Bottom Depth Ft:
SRC Lab Note: BSK ANALYTICAL LABORATORIES
SRC Analysis Date: 07/13/2023
SRC Well Category:

Gm Cas No:
Gm Result: 2
Gm Result Modifier: <
Gm Chemical Units: NG/L
Gm Chemical Vvl: PFBSA
Gm Reporting Limit: 2
Gm Well Depth Ft:
SRC Chemical: 2801
SRC Result:
SRC Result Modifie: Y
Src Chemical Units: NG/L
SRC Report Limit: 2
SRC Analytic Meth: EPA 533
SRC Well Depth Ft:

Gm Chemical Name: Perfluorobutane sulfonic acid (PFBS)
Gm Samp Collection Date: 12/04/2023
Gm Screen Top Depth Ft: 0
Gm Screen Bottom Depth Ft: 370
SRC Samp Collection Date: 12/04/2023
SRC Samp Collection Time: 11:40:00
SRC Screen Top Depth Ft:
SRC Screen Bottom Depth Ft:
SRC Lab Note: BSK ANALYTICAL LABORATORIES
SRC Analysis Date: 12/09/2023
SRC Well Category:

Gm Cas No:
Gm Result: 2
Gm Result Modifier: <
Gm Chemical Units: NG/L
Gm Chemical Vvl: PFBSA
Gm Reporting Limit: 2
Gm Well Depth Ft:
SRC Chemical: 2801
SRC Result:
SRC Result Modifie: Y
Src Chemical Units: NG/L
SRC Report Limit: 2
SRC Analytic Meth: EPA 533
SRC Well Depth Ft:

Gm Chemical Name: Perfluorobutane sulfonic acid (PFBS)
Gm Samp Collection Date: 09/15/2023
Gm Screen Top Depth Ft: 0
Gm Screen Bottom Depth Ft: 370
SRC Samp Collection Date: 09/15/2023
SRC Samp Collection Time: 12:21:00
SRC Screen Top Depth Ft:
SRC Screen Bottom Depth Ft:
SRC Lab Note: BSK ANALYTICAL LABORATORIES
SRC Analysis Date: 09/21/2023
SRC Well Category:

Gm Cas No:
Gm Result: 2
Gm Result Modifier: <
Gm Chemical Units: NG/L
Gm Chemical Vvl: 8:2FTS
Gm Reporting Limit: 2
Gm Well Depth Ft:
SRC Chemical: 2822
SRC Result:
SRC Result Modifie: Y
Src Chemical Units: NG/L
SRC Report Limit: 2
SRC Analytic Meth: EPA 533
SRC Well Depth Ft:

Gm Chemical Name: 8:2 Fluorotelomer sulfonic acid (1H, 1H, 2H, 2H-Perfluorodecanesulfonic acid) (8:2 FTS)
Gm Samp Collection Date: 06/30/2023
Gm Screen Top Depth Ft: 0
Gm Screen Bottom Depth Ft: 370
SRC Samp Collection Date: 06/30/2023
SRC Samp Collection Time: 11:36:00
SRC Screen Top Depth Ft:
SRC Screen Bottom Depth Ft:
SRC Lab Note: BSK ANALYTICAL LABORATORIES
SRC Analysis Date: 07/13/2023
SRC Well Category:

Gm Cas No:
Gm Result: 2
Gm Result Modifier: <
Gm Chemical Units: NG/L
Gm Chemical Vvl: ADONA
Gm Reporting Limit: 2
Gm Well Depth Ft:
SRC Chemical: 2815
SRC Result:
SRC Result Modifie: Y
Src Chemical Units: NG/L
SRC Report Limit: 2
SRC Analytic Meth: EPA 533
SRC Well Depth Ft:

Gm Chemical Name: 4,8-Dioxa-3H-perfluorononanoic acid (ADONA)
Gm Samp Collection Date: 06/30/2023
Gm Screen Top Depth Ft: 0
Gm Screen Bottom Depth Ft: 370
SRC Samp Collection Date: 06/30/2023
SRC Samp Collection Time: 11:36:00
SRC Screen Top Depth Ft:
SRC Screen Bottom Depth Ft:
SRC Lab Note: BSK ANALYTICAL LABORATORIES
SRC Analysis Date: 07/13/2023
SRC Well Category:

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Gm Cas No:		**SRC Chemical:**	2816
Gm Result:	2	**SRC Result:**	
Gm Result Modifier:	<	**SRC Result Modifie:**	Y
Gm Chemical Units:	NG/L	**Src Chemical Units:**	NG/L
Gm Chemical Vvl:	HFPA-DA	**SRC Report Limit:**	2
Gm Reporting Limit:	2	**SRC Analytic Meth:**	EPA 533
Gm Well Depth Ft:		**SRC Well Depth Ft:**	
Gm Chemical Name:	2,3,3,3-tetrafluoro-2-(1,1,2,2,3,3,3-heptafluoropropoxy) propanoic acid (HFPO-DA)		
Gm Samp Collection Date:	12/04/2023		
Gm Screen Top Depth Ft:	0		
Gm Screen Bottom Depth Ft:	370		
SRC Samp Collection Date:	12/04/2023		
SRC Samp Collection Time:	11:40:00		
SRC Screen Top Depth Ft:			
SRC Screen Bottom Depth Ft:			
SRC Lab Note:	BSK ANALYTICAL LABORATORIES		
SRC Analysis Date:	12/09/2023		
SRC Well Category:			

Gm Cas No:		**SRC Chemical:**	2813
Gm Result:	2	**SRC Result:**	
Gm Result Modifier:	<	**SRC Result Modifie:**	Y
Gm Chemical Units:	NG/L	**Src Chemical Units:**	NG/L
Gm Chemical Vvl:	11ClPF3OUDS	**SRC Report Limit:**	2
Gm Reporting Limit:	2	**SRC Analytic Meth:**	EPA 533
Gm Well Depth Ft:		**SRC Well Depth Ft:**	
Gm Chemical Name:	11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11-Cl-PF3OUdS)		
Gm Samp Collection Date:	06/30/2023		
Gm Screen Top Depth Ft:	0		
Gm Screen Bottom Depth Ft:	370		
SRC Samp Collection Date:	06/30/2023		
SRC Samp Collection Time:	11:36:00		
SRC Screen Top Depth Ft:			
SRC Screen Bottom Depth Ft:			
SRC Lab Note:	BSK ANALYTICAL LABORATORIES		
SRC Analysis Date:	07/13/2023		
SRC Well Category:			

Gm Cas No:		**SRC Chemical:**	2825
Gm Result:	2	**SRC Result:**	
Gm Result Modifier:	<	**SRC Result Modifie:**	Y
Gm Chemical Units:	NG/L	**Src Chemical Units:**	NG/L
Gm Chemical Vvl:	PFMBA	**SRC Report Limit:**	2
Gm Reporting Limit:	2	**SRC Analytic Meth:**	EPA 533
Gm Well Depth Ft:		**SRC Well Depth Ft:**	
Gm Chemical Name:	Perfluoro-4-methoxybutanoic acid (PFMBA)		
Gm Samp Collection Date:	09/15/2023		
Gm Screen Top Depth Ft:	0		
Gm Screen Bottom Depth Ft:	370		
SRC Samp Collection Date:	09/15/2023		
SRC Samp Collection Time:	12:21:00		
SRC Screen Top Depth Ft:			
SRC Screen Bottom Depth Ft:			
SRC Lab Note:	BSK ANALYTICAL LABORATORIES		
SRC Analysis Date:	09/21/2023		
SRC Well Category:			

Gm Cas No:		**SRC Chemical:**	2823
Gm Result:	2	**SRC Result:**	
Gm Result Modifier:	<	**SRC Result Modifie:**	Y
Gm Chemical Units:	NG/L	**Src Chemical Units:**	NG/L
Gm Chemical Vvl:	PFMPA	**SRC Report Limit:**	2
Gm Reporting Limit:	2	**SRC Analytic Meth:**	EPA 533
Gm Well Depth Ft:		**SRC Well Depth Ft:**	
Gm Chemical Name:	Perfluoro-3-methoxypropanoic acid (PFMPA)		
Gm Samp Collection Date:	12/04/2023		
Gm Screen Top Depth Ft:	0		
Gm Screen Bottom Depth Ft:	370		
SRC Samp Collection Date:	12/04/2023		

SRC Samp Collection Time:	11:40:00		
SRC Screen Top Depth Ft:			
SRC Screen Bottom Depth Ft:			
SRC Lab Note:	BSK ANALYTICAL LABORATORIES		
SRC Analysis Date:	12/09/2023		
SRC Well Category:			

Gm Cas No:		**SRC Chemical:**	2804
Gm Result:	2	**SRC Result:**	
Gm Result Modifier:	<	**SRC Result Modifie:**	Y
Gm Chemical Units:	NG/L	**Src Chemical Units:**	NG/L
Gm Chemical Vvl:	PFNA	**SRC Report Limit:**	2
Gm Reporting Limit:	2	**SRC Analytic Meth:**	EPA 533
Gm Well Depth Ft:		**SRC Well Depth Ft:**	
Gm Chemical Name:	Perfluorononanoic acid (PFNA)		
Gm Samp Collection Date:	12/04/2023		
Gm Screen Top Depth Ft:	0		
Gm Screen Bottom Depth Ft:	370		
SRC Samp Collection Date:	12/04/2023		
SRC Samp Collection Time:	11:40:00		
SRC Screen Top Depth Ft:			
SRC Screen Bottom Depth Ft:			
SRC Lab Note:	BSK ANALYTICAL LABORATORIES		
SRC Analysis Date:	12/09/2023		
SRC Well Category:			

Gm Cas No:		**SRC Chemical:**	2825
Gm Result:	2	**SRC Result:**	
Gm Result Modifier:	<	**SRC Result Modifie:**	Y
Gm Chemical Units:	NG/L	**Src Chemical Units:**	NG/L
Gm Chemical Vvl:	PFMBA	**SRC Report Limit:**	2
Gm Reporting Limit:	2	**SRC Analytic Meth:**	EPA 533
Gm Well Depth Ft:		**SRC Well Depth Ft:**	
Gm Chemical Name:	Perfluoro-4-methoxybutanoic acid (PFMBA)		
Gm Samp Collection Date:	06/30/2023		
Gm Screen Top Depth Ft:	0		
Gm Screen Bottom Depth Ft:	370		
SRC Samp Collection Date:	06/30/2023		
SRC Samp Collection Time:	11:36:00		
SRC Screen Top Depth Ft:			
SRC Screen Bottom Depth Ft:			
SRC Lab Note:	BSK ANALYTICAL LABORATORIES		
SRC Analysis Date:	07/13/2023		
SRC Well Category:			

Gm Cas No:		**SRC Chemical:**	2828
Gm Result:	2	**SRC Result:**	
Gm Result Modifier:	<	**SRC Result Modifie:**	Y
Gm Chemical Units:	NG/L	**Src Chemical Units:**	NG/L
Gm Chemical Vvl:	PFPES	**SRC Report Limit:**	2
Gm Reporting Limit:	2	**SRC Analytic Meth:**	EPA 533
Gm Well Depth Ft:		**SRC Well Depth Ft:**	
Gm Chemical Name:	Perfluoropentane sulfonoic acid (PFPeS)		
Gm Samp Collection Date:	12/04/2023		
Gm Screen Top Depth Ft:	0		
Gm Screen Bottom Depth Ft:	370		
SRC Samp Collection Date:	12/04/2023		
SRC Samp Collection Time:	11:40:00		
SRC Screen Top Depth Ft:			
SRC Screen Bottom Depth Ft:			
SRC Lab Note:	BSK ANALYTICAL LABORATORIES		
SRC Analysis Date:	12/09/2023		
SRC Well Category:			

Gm Cas No:		**SRC Chemical:**	2804
Gm Result:	2	**SRC Result:**	
Gm Result Modifier:	<	**SRC Result Modifie:**	Y
Gm Chemical Units:	NG/L	**Src Chemical Units:**	NG/L
Gm Chemical Vvl:	PFNA	**SRC Report Limit:**	2

Gm Reporting Limit:	2	**SRC Analytic Meth:**	EPA 533
Gm Well Depth Ft:		**SRC Well Depth Ft:**	
Gm Chemical Name:	Perfluorononanoic acid (PFNA)		
Gm Samp Collection Date:	09/15/2023		
Gm Screen Top Depth Ft:	0		
Gm Screen Bottom Depth Ft:	370		
SRC Samp Collection Date:	09/15/2023		
SRC Samp Collection Time:	12:21:00		
SRC Screen Top Depth Ft:			
SRC Screen Bottom Depth Ft:			
SRC Lab Note:	BSK ANALYTICAL LABORATORIES		
SRC Analysis Date:	09/21/2023		
SRC Well Category:			

Gm Cas No:		**SRC Chemical:**	2827
Gm Result:	2	**SRC Result:**	
Gm Result Modifier:	<	**SRC Result Modifie:**	Y
Gm Chemical Units:	NG/L	**Src Chemical Units:**	NG/L
Gm Chemical Vvl:	NFDHA	**SRC Report Limit:**	2
Gm Reporting Limit:	2	**SRC Analytic Meth:**	EPA 533
Gm Well Depth Ft:		**SRC Well Depth Ft:**	
Gm Chemical Name:	Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)		
Gm Samp Collection Date:	09/15/2023		
Gm Screen Top Depth Ft:	0		
Gm Screen Bottom Depth Ft:	370		
SRC Samp Collection Date:	09/15/2023		
SRC Samp Collection Time:	12:21:00		
SRC Screen Top Depth Ft:			
SRC Screen Bottom Depth Ft:			
SRC Lab Note:	BSK ANALYTICAL LABORATORIES		
SRC Analysis Date:	09/21/2023		
SRC Well Category:			

Gm Cas No:		**SRC Chemical:**	2823
Gm Result:	2	**SRC Result:**	
Gm Result Modifier:	<	**SRC Result Modifie:**	Y
Gm Chemical Units:	NG/L	**Src Chemical Units:**	NG/L
Gm Chemical Vvl:	PFMPA	**SRC Report Limit:**	2
Gm Reporting Limit:	2	**SRC Analytic Meth:**	EPA 533
Gm Well Depth Ft:		**SRC Well Depth Ft:**	
Gm Chemical Name:	Perfluoro-3-methoxypropanoic acid (PFMPA)		
Gm Samp Collection Date:	09/15/2023		
Gm Screen Top Depth Ft:	0		
Gm Screen Bottom Depth Ft:	370		
SRC Samp Collection Date:	09/15/2023		
SRC Samp Collection Time:	12:21:00		
SRC Screen Top Depth Ft:			
SRC Screen Bottom Depth Ft:			
SRC Lab Note:	BSK ANALYTICAL LABORATORIES		
SRC Analysis Date:	09/21/2023		
SRC Well Category:			

Gm Cas No:		**SRC Chemical:**	2821
Gm Result:	2	**SRC Result:**	
Gm Result Modifier:	<	**SRC Result Modifie:**	Y
Gm Chemical Units:	NG/L	**Src Chemical Units:**	NG/L
Gm Chemical Vvl:	4:2FTS	**SRC Report Limit:**	2
Gm Reporting Limit:	2	**SRC Analytic Meth:**	EPA 533
Gm Well Depth Ft:		**SRC Well Depth Ft:**	
Gm Chemical Name:	4:2 Fluorotelomer sulfonic acid (1H, 1H, 2H, 2H-Perfluorohexanesulfonic acid) (4:2 FTS)		
Gm Samp Collection Date:	06/30/2023		
Gm Screen Top Depth Ft:	0		
Gm Screen Bottom Depth Ft:	370		
SRC Samp Collection Date:	06/30/2023		
SRC Samp Collection Time:	11:36:00		
SRC Screen Top Depth Ft:			
SRC Screen Bottom Depth Ft:			
SRC Lab Note:	BSK ANALYTICAL LABORATORIES		
SRC Analysis Date:	07/13/2023		

SRC Well Category:

Gm Cas No: ***SRC Chemical:*** 2814
Gm Result: 1.9 ***SRC Result:***
Gm Result Modifier: < ***SRC Result Modifie:*** Y
Gm Chemical Units: NG/L ***Src Chemical Units:*** NG/L
Gm Chemical Vvl: 9ClPF3ONS ***SRC Report Limit:*** 1.9
Gm Reporting Limit: 1.9 ***SRC Analytic Meth:*** EPA 533
Gm Well Depth Ft: ***SRC Well Depth Ft:***
Gm Chemical Name: 9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9-Cl-PF3ONS)
Gm Samp Collection Date: 03/06/2023
Gm Screen Top Depth Ft: 0
Gm Screen Bottom Depth Ft: 370
SRC Samp Collection Date: 03/06/2023
SRC Samp Collection Time: 10:48:00
SRC Screen Top Depth Ft:
SRC Screen Bottom Depth Ft:
SRC Lab Note: TESTAMERICA - WEST SAC (STL SACRAMENTO)
SRC Analysis Date: 03/24/2023
SRC Well Category:

Gm Cas No: ***SRC Chemical:*** 2806
Gm Result: 2 ***SRC Result:***
Gm Result Modifier: < ***SRC Result Modifie:*** Y
Gm Chemical Units: NG/L ***Src Chemical Units:*** NG/L
Gm Chemical Vvl: PFOA ***SRC Report Limit:*** 2
Gm Reporting Limit: 2 ***SRC Analytic Meth:*** EPA 533
Gm Well Depth Ft: ***SRC Well Depth Ft:***
Gm Chemical Name: Perfluorooctanoic acid (PFOA)
Gm Samp Collection Date: 09/15/2023
Gm Screen Top Depth Ft: 0
Gm Screen Bottom Depth Ft: 370
SRC Samp Collection Date: 09/15/2023
SRC Samp Collection Time: 12:21:00
SRC Screen Top Depth Ft:
SRC Screen Bottom Depth Ft:
SRC Lab Note: BSK ANALYTICAL LABORATORIES
SRC Analysis Date: 09/21/2023
SRC Well Category:

Gm Cas No: ***SRC Chemical:*** 2801
Gm Result: 2 ***SRC Result:***
Gm Result Modifier: < ***SRC Result Modifie:*** Y
Gm Chemical Units: NG/L ***Src Chemical Units:*** NG/L
Gm Chemical Vvl: PFBSA ***SRC Report Limit:*** 2
Gm Reporting Limit: 2 ***SRC Analytic Meth:*** EPA 533
Gm Well Depth Ft: ***SRC Well Depth Ft:***
Gm Chemical Name: Perfluorobutane sulfonic acid (PFBS)
Gm Samp Collection Date: 06/30/2023
Gm Screen Top Depth Ft: 0
Gm Screen Bottom Depth Ft: 370
SRC Samp Collection Date: 06/30/2023
SRC Samp Collection Time: 11:36:00
SRC Screen Top Depth Ft:
SRC Screen Bottom Depth Ft:
SRC Lab Note: BSK ANALYTICAL LABORATORIES
SRC Analysis Date: 07/13/2023
SRC Well Category:

Gm Cas No: ***SRC Chemical:*** 2822
Gm Result: 2 ***SRC Result:***
Gm Result Modifier: < ***SRC Result Modifie:*** Y
Gm Chemical Units: NG/L ***Src Chemical Units:*** NG/L
Gm Chemical Vvl: 8:2FTS ***SRC Report Limit:*** 2
Gm Reporting Limit: 2 ***SRC Analytic Meth:*** EPA 533
Gm Well Depth Ft: ***SRC Well Depth Ft:***
Gm Chemical Name: 8:2 Fluorotelomer sulfonic acid (1H, 1H, 2H, 2H-Perfluorodecanesulfonic acid) (8:2 FTS)
Gm Samp Collection Date: 12/04/2023
Gm Screen Top Depth Ft: 0

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Gm Screen Bottom Depth Ft: 370
SRC Samp Collection Date: 12/04/2023
SRC Samp Collection Time: 11:40:00
SRC Screen Top Depth Ft:
SRC Screen Bottom Depth Ft:
SRC Lab Note: BSK ANALYTICAL LABORATORIES
SRC Analysis Date: 12/09/2023
SRC Well Category:

Gm Cas No:
Gm Result: 1.9
Gm Result Modifier: <
Gm Chemical Units: NG/L
Gm Chemical Vvl: ADONA
Gm Reporting Limit: 1.9
Gm Well Depth Ft:
SRC Chemical: 2815
SRC Result:
SRC Result Modifie: Y
Src Chemical Units: NG/L
SRC Report Limit: 1.9
SRC Analytic Meth: EPA 533
SRC Well Depth Ft:
Gm Chemical Name: 4,8-Dioxa-3H-perfluorononanoic acid (ADONA)
Gm Samp Collection Date: 03/06/2023
Gm Screen Top Depth Ft: 0
Gm Screen Bottom Depth Ft: 370
SRC Samp Collection Date: 03/06/2023
SRC Samp Collection Time: 10:48:00
SRC Screen Top Depth Ft:
SRC Screen Bottom Depth Ft:
SRC Lab Note: TESTAMERICA - WEST SAC (STL SACRAMENTO)
SRC Analysis Date: 03/24/2023
SRC Well Category:

Gm Cas No:
Gm Result: 1.9
Gm Result Modifier: <
Gm Chemical Units: NG/L
Gm Chemical Vvl: PFUNDCA
Gm Reporting Limit: 1.9
Gm Well Depth Ft:
SRC Chemical: 2812
SRC Result:
SRC Result Modifie: Y
Src Chemical Units: NG/L
SRC Report Limit: 1.9
SRC Analytic Meth: EPA 533
SRC Well Depth Ft:
Gm Chemical Name: Perfluoroundecanoic acid (PFUnDA)
Gm Samp Collection Date: 03/06/2023
Gm Screen Top Depth Ft: 0
Gm Screen Bottom Depth Ft: 370
SRC Samp Collection Date: 03/06/2023
SRC Samp Collection Time: 10:48:00
SRC Screen Top Depth Ft:
SRC Screen Bottom Depth Ft:
SRC Lab Note: TESTAMERICA - WEST SAC (STL SACRAMENTO)
SRC Analysis Date: 03/24/2023
SRC Well Category:

Gm Cas No:
Gm Result: 2
Gm Result Modifier: <
Gm Chemical Units: NG/L
Gm Chemical Vvl: 11ClPF3OUDS
Gm Reporting Limit: 2
Gm Well Depth Ft:
SRC Chemical: 2813
SRC Result:
SRC Result Modifie: Y
Src Chemical Units: NG/L
SRC Report Limit: 2
SRC Analytic Meth: EPA 533
SRC Well Depth Ft:
Gm Chemical Name: 11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11-Cl-PF3OUdS)
Gm Samp Collection Date: 12/04/2023
Gm Screen Top Depth Ft: 0
Gm Screen Bottom Depth Ft: 370
SRC Samp Collection Date: 12/04/2023
SRC Samp Collection Time: 11:40:00
SRC Screen Top Depth Ft:
SRC Screen Bottom Depth Ft:
SRC Lab Note: BSK ANALYTICAL LABORATORIES
SRC Analysis Date: 12/09/2023
SRC Well Category:

7	2 of3	NW	0.33 / 1,722.07	266.05 / 1	WELL 21 - RAW	PFAS INVEST

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
					CA	

Geotracker Global ID:
County:
Latitude: 36.944027
Longitude: -120.047411
Note: Information related to facilities can be searched on Geo Tracker Website: https://geotracker.waterboards.ca.gov/search
Data Source: PWS

Public Water Supply Wells

Order Year: 2022
PS Code: CA2010002_017_017
Regulating Agency District: DISTRICT 11 - MERCED
Water System Name: CITY OF MADERA

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
7	3 of3	NW	0.33 / 1,722.07	266.05 / 1	WELL 21 - RAW MADERA CA	PFAS SAMPLING

Global ID: W0602010002
Location ID: CA2010002_017_017
Status:
Site Use: Drinking Water Wells
Site Type: DDW Well
Public Water System Name: CITY OF MADERA
Facility Type:
Latitude: 36.944027
Longitude: -120.047411
Field Pt Class: PUBW

PFAS Chemicals

Sample ID:
Matrix: Liquid
Chemical: PFDoDA
Analytical Method Cd: EPA 533
Qualifier: <
Value: 2
Chemical Name: Perfluorododecanoic acid
Regional Board:
Treated Drinking Water Dt:
Treated Drinking Water Qualifi:
Treated Drinking Water Reporti:
Treatd Drinking Water Sample:
Treated Drinking Water Units:
Treated Drinking Water Value:
Lab Notes:
Reporting Limit: 2
Detection Limit:
QRAA:
Units: NG/L
Date: 6/30/2023

Sample ID:
Matrix: Liquid
Chemical: PFDoDA
Analytical Method Cd: EPA 533
Qualifier: <
Value: 1.9
Chemical Name: Perfluorododecanoic acid
Regional Board:
Treated Drinking Water Dt:
Treated Drinking Water Qualifi:
Treated Drinking Water Reporti:
Treatd Drinking Water Sample:
Treated Drinking Water Units:
Treated Drinking Water Value:
Lab Notes:
Reporting Limit: 1.9
Detection Limit:
QRAA:
Units: NG/L
Date: 3/6/2023

Sample ID:
Matrix: Liquid
Chemical: ADONA
Analytical Method Cd: EPA 533
Qualifier: <
Value: 2
Chemical Name: 4,8-Dioxa-3H-perfluorononanoic acid
Lab Notes:
Reporting Limit: 2
Detection Limit:
QRAA:
Units: NG/L
Date: 12/4/2023

Regional Board:
Treated Drinking Water Dt:
Treated Drinking Water Qualifi:
Treated Drinking Water Reporti:
Treatd Drinking Water Sample:
Treated Drinking Water Units:
Treated Drinking Water Value:

Sample ID: ***Lab Notes:***
Matrix: Liquid ***Reporting Limit:***
Chemical: PFOS ***Detection Limit:***
Analytical Method Cd: ***QRAA:*** 0
Qualifier: < ***Units:*** NG/L
Value: 2 ***Date:*** 6/30/2023
Chemical Name: Perfluorooctane sulfonic acid (PFOS)
Regional Board:
Treated Drinking Water Dt:
Treated Drinking Water Qualifi:
Treated Drinking Water Reporti:
Treatd Drinking Water Sample:
Treated Drinking Water Units:
Treated Drinking Water Value:

Sample ID: ***Lab Notes:***
Matrix: Liquid ***Reporting Limit:*** 2
Chemical: NFDHA ***Detection Limit:***
Analytical Method Cd: EPA 533 ***QRAA:***
Qualifier: < ***Units:*** NG/L
Value: 2 ***Date:*** 6/30/2023
Chemical Name: Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)
Regional Board:
Treated Drinking Water Dt:
Treated Drinking Water Qualifi:
Treated Drinking Water Reporti:
Treatd Drinking Water Sample:
Treated Drinking Water Units:
Treated Drinking Water Value:

Sample ID: ***Lab Notes:***
Matrix: Liquid ***Reporting Limit:*** 2
Chemical: PFPeS ***Detection Limit:***
Analytical Method Cd: EPA 533 ***QRAA:***
Qualifier: < ***Units:*** NG/L
Value: 2 ***Date:*** 6/30/2023
Chemical Name: Perfluoropentane sulfonoic acid
Regional Board:
Treated Drinking Water Dt:
Treated Drinking Water Qualifi:
Treated Drinking Water Reporti:
Treatd Drinking Water Sample:
Treated Drinking Water Units:
Treated Drinking Water Value:

Sample ID: ***Lab Notes:***
Matrix: Liquid ***Reporting Limit:***
Chemical: PFHxS ***Detection Limit:***
Analytical Method Cd: ***QRAA:*** 0
Qualifier: < ***Units:*** NG/L
Value: 2 ***Date:*** 6/30/2023
Chemical Name: Perfluorohexanesulfonic acid
Regional Board:
Treated Drinking Water Dt:
Treated Drinking Water Qualifi:
Treated Drinking Water Reporti:
Treatd Drinking Water Sample:
Treated Drinking Water Units:
Treated Drinking Water Value:

Sample ID: ***Lab Notes:***

Matrix: Liquid
Chemical: PFHpA
Analytical Method Cd: EPA 533
Qualifier: <
Value: 2
Chemical Name: Perfluoroheptanoic acid
Regional Board:
Treated Drinking Water Dt:
Treated Drinking Water Qualifi:
Treated Drinking Water Reporti:
Treatd Drinking Water Sample:
Treated Drinking Water Units:
Treated Drinking Water Value:
Reporting Limit: 2
Detection Limit:
QRAA:
Units: NG/L
Date: 6/30/2023

Sample ID:
Matrix: Liquid
Chemical: HFPO-DA
Analytical Method Cd: EPA 533
Qualifier: <
Value: 1.9
Chemical Name: 2,3,3,3-tetrafluoro-2-(1,1,2,2,3,3,3-heptafluoropropoxy) propanoic acid
Regional Board:
Treated Drinking Water Dt:
Treated Drinking Water Qualifi:
Treated Drinking Water Reporti:
Treatd Drinking Water Sample:
Treated Drinking Water Units:
Treated Drinking Water Value:
Lab Notes:
Reporting Limit: 1.9
Detection Limit:
QRAA:
Units: NG/L
Date: 3/6/2023

Sample ID:
Matrix: Liquid
Chemical: 8:2 FTS
Analytical Method Cd: EPA 533
Qualifier: <
Value: 1.9
Chemical Name: 8:2 Fluorotelomer sulfonic acid (1H, 1H, 2H, 2H-Perfluorodecanesulfonic acid)
Regional Board:
Treated Drinking Water Dt:
Treated Drinking Water Qualifi:
Treated Drinking Water Reporti:
Treatd Drinking Water Sample:
Treated Drinking Water Units:
Treated Drinking Water Value:
Lab Notes:
Reporting Limit: 1.9
Detection Limit:
QRAA:
Units: NG/L
Date: 3/6/2023

Sample ID:
Matrix: Liquid
Chemical: 6:2 FTS
Analytical Method Cd: EPA 533
Qualifier: <
Value: 2
Chemical Name: 6:2 Fluorotelomer sulfonic acid (1H,1H,2H,2H-Perfluorooctanesulfonic acid)
Regional Board:
Treated Drinking Water Dt:
Treated Drinking Water Qualifi:
Treated Drinking Water Reporti:
Treatd Drinking Water Sample:
Treated Drinking Water Units:
Treated Drinking Water Value:
Lab Notes:
Reporting Limit: 2
Detection Limit:
QRAA:
Units: NG/L
Date: 6/30/2023

Sample ID:
Matrix: Liquid
Chemical: PFMBA
Analytical Method Cd: EPA 533
Qualifier: <
Value: 2
Chemical Name: Perfluoro-4-methoxybutanoic acid (PFMBA)
Regional Board:
Treated Drinking Water Dt:
Treated Drinking Water Qualifi:
Lab Notes:
Reporting Limit: 2
Detection Limit:
QRAA:
Units: NG/L
Date: 6/30/2023

Treated Drinking Water Reporti:
Treatd Drinking Water Sample:
Treated Drinking Water Units:
Treated Drinking Water Value:

Sample ID: ***Lab Notes:***
Matrix: Liquid ***Reporting Limit:*** 2
Chemical: 11-Cl-PF3OUdS ***Detection Limit:***
Analytical Method Cd: EPA 533 ***QRAA:***
Qualifier: < ***Units:*** NG/L
Value: 2 ***Date:*** 12/4/2023
Chemical Name: 11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid
Regional Board:
Treated Drinking Water Dt:
Treated Drinking Water Qualifi:
Treated Drinking Water Reporti:
Treatd Drinking Water Sample:
Treated Drinking Water Units:
Treated Drinking Water Value:

Sample ID: ***Lab Notes:***
Matrix: Liquid ***Reporting Limit:*** 2
Chemical: 6:2 FTS ***Detection Limit:***
Analytical Method Cd: EPA 533 ***QRAA:***
Qualifier: < ***Units:*** NG/L
Value: 2 ***Date:*** 9/15/2023
Chemical Name: 6:2 Fluorotelomer sulfonic acid (1H,1H,2H,2H-Perfluorooctanesulfonic acid)
Regional Board:
Treated Drinking Water Dt:
Treated Drinking Water Qualifi:
Treated Drinking Water Reporti:
Treatd Drinking Water Sample:
Treated Drinking Water Units:
Treated Drinking Water Value:

Sample ID: ***Lab Notes:***
Matrix: Liquid ***Reporting Limit:*** 2
Chemical: PFHpS ***Detection Limit:***
Analytical Method Cd: EPA 533 ***QRAA:***
Qualifier: < ***Units:*** NG/L
Value: 2 ***Date:*** 12/4/2023
Chemical Name: Perfluoroheptanesulfonic acid
Regional Board:
Treated Drinking Water Dt:
Treated Drinking Water Qualifi:
Treated Drinking Water Reporti:
Treatd Drinking Water Sample:
Treated Drinking Water Units:
Treated Drinking Water Value:

Sample ID: ***Lab Notes:***
Matrix: Liquid ***Reporting Limit:*** 2
Chemical: PFMPA ***Detection Limit:***
Analytical Method Cd: EPA 533 ***QRAA:***
Qualifier: < ***Units:*** NG/L
Value: 2 ***Date:*** 12/4/2023
Chemical Name: Perfluoro-3-methoxypropanoic acid (PFMPA)
Regional Board:
Treated Drinking Water Dt:
Treated Drinking Water Qualifi:
Treated Drinking Water Reporti:
Treatd Drinking Water Sample:
Treated Drinking Water Units:
Treated Drinking Water Value:

Sample ID: ***Lab Notes:***
Matrix: Liquid ***Reporting Limit:*** 1.9
Chemical: PFNA ***Detection Limit:***
Analytical Method Cd: EPA 533 ***QRAA:***

Qualifier:	<	**Units:**	NG/L
Value:	1.9	**Date:**	3/6/2023
Chemical Name:	Perfluorononanoic acid		
Regional Board:			
Treated Drinking Water Dt:			
Treated Drinking Water Qualifi:			
Treated Drinking Water Reporti:			
Treatd Drinking Water Sample:			
Treated Drinking Water Units:			
Treated Drinking Water Value:			

Sample ID:		**Lab Notes:**	
Matrix:	Liquid	**Reporting Limit:**	1.9
Chemical:	PFEESA	**Detection Limit:**	
Analytical Method Cd:	EPA 533	**QRAA:**	
Qualifier:	<	**Units:**	NG/L
Value:	1.9	**Date:**	3/6/2023
Chemical Name:	Perfluoro(2-ethoxyethane) sulfonic acid (PFEESA)		
Regional Board:			
Treated Drinking Water Dt:			
Treated Drinking Water Qualifi:			
Treated Drinking Water Reporti:			
Treatd Drinking Water Sample:			
Treated Drinking Water Units:			
Treated Drinking Water Value:			

Sample ID:		**Lab Notes:**	
Matrix:	Liquid	**Reporting Limit:**	
Chemical:	PFOS	**Detection Limit:**	
Analytical Method Cd:		**QRAA:**	0
Qualifier:	<	**Units:**	NG/L
Value:	1.9	**Date:**	3/6/2023
Chemical Name:	Perfluorooctane sulfonic acid (PFOS)		
Regional Board:			
Treated Drinking Water Dt:			
Treated Drinking Water Qualifi:			
Treated Drinking Water Reporti:			
Treatd Drinking Water Sample:			
Treated Drinking Water Units:			
Treated Drinking Water Value:			

Sample ID:		**Lab Notes:**	
Matrix:	Liquid	**Reporting Limit:**	1.9
Chemical:	PFPeS	**Detection Limit:**	
Analytical Method Cd:	EPA 533	**QRAA:**	
Qualifier:	<	**Units:**	NG/L
Value:	1.9	**Date:**	3/6/2023
Chemical Name:	Perfluoropentane sulfonoic acid		
Regional Board:			
Treated Drinking Water Dt:			
Treated Drinking Water Qualifi:			
Treated Drinking Water Reporti:			
Treatd Drinking Water Sample:			
Treated Drinking Water Units:			
Treated Drinking Water Value:			

Sample ID:		**Lab Notes:**	
Matrix:	Liquid	**Reporting Limit:**	2
Chemical:	PFUnDA	**Detection Limit:**	
Analytical Method Cd:	EPA 533	**QRAA:**	
Qualifier:	<	**Units:**	NG/L
Value:	2	**Date:**	9/15/2023
Chemical Name:	Perfluoroundecanoic acid		
Regional Board:			
Treated Drinking Water Dt:			
Treated Drinking Water Qualifi:			
Treated Drinking Water Reporti:			
Treatd Drinking Water Sample:			
Treated Drinking Water Units:			

Treated Drinking Water Value:

Sample ID: ***Lab Notes:***
Matrix: Liquid ***Reporting Limit:*** 2
Chemical: PFEESA ***Detection Limit:***
Analytical Method Cd: EPA 533 ***QRAA:***
Qualifier: < ***Units:*** NG/L
Value: 2 ***Date:*** 12/4/2023
Chemical Name: Perfluoro(2-ethoxyethane) sulfonic acid (PFEESA)
Regional Board:
Treated Drinking Water Dt:
Treated Drinking Water Qualifi:
Treated Drinking Water Reporti:
Treatd Drinking Water Sample:
Treated Drinking Water Units:
Treated Drinking Water Value:

Sample ID: ***Lab Notes:***
Matrix: Liquid ***Reporting Limit:*** 2
Chemical: PFDoDA ***Detection Limit:***
Analytical Method Cd: EPA 533 ***QRAA:***
Qualifier: < ***Units:*** NG/L
Value: 2 ***Date:*** 9/15/2023
Chemical Name: Perfluorododecanoic acid
Regional Board:
Treated Drinking Water Dt:
Treated Drinking Water Qualifi:
Treated Drinking Water Reporti:
Treatd Drinking Water Sample:
Treated Drinking Water Units:
Treated Drinking Water Value:

Sample ID: ***Lab Notes:***
Matrix: Liquid ***Reporting Limit:*** 1.9
Chemical: 6:2 FTS ***Detection Limit:***
Analytical Method Cd: EPA 533 ***QRAA:***
Qualifier: < ***Units:*** NG/L
Value: 1.9 ***Date:*** 3/6/2023
Chemical Name: 6:2 Fluorotelomer sulfonic acid (1H,1H,2H,2H-Perfluorooctanesulfonic acid)
Regional Board:
Treated Drinking Water Dt:
Treated Drinking Water Qualifi:
Treated Drinking Water Reporti:
Treatd Drinking Water Sample:
Treated Drinking Water Units:
Treated Drinking Water Value:

Sample ID: ***Lab Notes:***
Matrix: Liquid ***Reporting Limit:*** 2
Chemical: PFBA ***Detection Limit:***
Analytical Method Cd: EPA 533 ***QRAA:***
Qualifier: < ***Units:*** NG/L
Value: 2 ***Date:*** 9/15/2023
Chemical Name: Perfluorobutanoic acid
Regional Board:
Treated Drinking Water Dt:
Treated Drinking Water Qualifi:
Treated Drinking Water Reporti:
Treatd Drinking Water Sample:
Treated Drinking Water Units:
Treated Drinking Water Value:

Sample ID: ***Lab Notes:***
Matrix: Liquid ***Reporting Limit:*** 2
Chemical: PFBA ***Detection Limit:***
Analytical Method Cd: EPA 533 ***QRAA:***
Qualifier: < ***Units:*** NG/L
Value: 2 ***Date:*** 6/30/2023
Chemical Name: Perfluorobutanoic acid

Regional Board:
Treated Drinking Water Dt:
Treated Drinking Water Qualifi:
Treated Drinking Water Reporti:
Treatd Drinking Water Sample:
Treated Drinking Water Units:
Treated Drinking Water Value:

Sample ID: ***Lab Notes:***
Matrix: Liquid ***Reporting Limit:***
Chemical: PFOA ***Detection Limit:***
Analytical Method Cd: ***QRAA:*** 0
Qualifier: < ***Units:*** NG/L
Value: 2 ***Date:*** 12/4/2023
Chemical Name: Perfluorooctanoic acid
Regional Board:
Treated Drinking Water Dt:
Treated Drinking Water Qualifi:
Treated Drinking Water Reporti:
Treatd Drinking Water Sample:
Treated Drinking Water Units:
Treated Drinking Water Value:

Sample ID: ***Lab Notes:***
Matrix: Liquid ***Reporting Limit:*** 2
Chemical: PFPeA ***Detection Limit:***
Analytical Method Cd: EPA 533 ***QRAA:***
Qualifier: < ***Units:*** NG/L
Value: 2 ***Date:*** 9/15/2023
Chemical Name: Perfluoropentanoic acid
Regional Board:
Treated Drinking Water Dt:
Treated Drinking Water Qualifi:
Treated Drinking Water Reporti:
Treatd Drinking Water Sample:
Treated Drinking Water Units:
Treated Drinking Water Value:

Sample ID: ***Lab Notes:***
Matrix: Liquid ***Reporting Limit:*** 2
Chemical: PFDA ***Detection Limit:***
Analytical Method Cd: EPA 533 ***QRAA:***
Qualifier: < ***Units:*** NG/L
Value: 2 ***Date:*** 12/4/2023
Chemical Name: Perfluorodecanoic acid
Regional Board:
Treated Drinking Water Dt:
Treated Drinking Water Qualifi:
Treated Drinking Water Reporti:
Treatd Drinking Water Sample:
Treated Drinking Water Units:
Treated Drinking Water Value:

Sample ID: ***Lab Notes:***
Matrix: Liquid ***Reporting Limit:***
Chemical: PFHxS ***Detection Limit:***
Analytical Method Cd: ***QRAA:*** 0
Qualifier: < ***Units:*** NG/L
Value: 2 ***Date:*** 12/4/2023
Chemical Name: Perfluorohexanesulfonic acid
Regional Board:
Treated Drinking Water Dt:
Treated Drinking Water Qualifi:
Treated Drinking Water Reporti:
Treatd Drinking Water Sample:
Treated Drinking Water Units:
Treated Drinking Water Value:

Sample ID: ***Lab Notes:***

Matrix:	Liquid	**Reporting Limit:**	3.9
Chemical:	PFHpA	**Detection Limit:**	
Analytical Method Cd:	EPA 533	**QRAA:**	
Qualifier:	<	**Units:**	NG/L
Value:	3.9	**Date:**	3/6/2023
Chemical Name:	Perfluoroheptanoic acid		
Regional Board:			
Treated Drinking Water Dt:			
Treated Drinking Water Qualifi:			
Treated Drinking Water Reporti:			
Treatd Drinking Water Sample:			
Treated Drinking Water Units:			
Treated Drinking Water Value:			

Sample ID:		**Lab Notes:**	
Matrix:	Liquid	**Reporting Limit:**	2
Chemical:	PFHpA	**Detection Limit:**	
Analytical Method Cd:	EPA 533	**QRAA:**	
Qualifier:	<	**Units:**	NG/L
Value:	2	**Date:**	9/15/2023
Chemical Name:	Perfluoroheptanoic acid		
Regional Board:			
Treated Drinking Water Dt:			
Treated Drinking Water Qualifi:			
Treated Drinking Water Reporti:			
Treatd Drinking Water Sample:			
Treated Drinking Water Units:			
Treated Drinking Water Value:			

Sample ID:		**Lab Notes:**	
Matrix:	Liquid	**Reporting Limit:**	2
Chemical:	PFBS	**Detection Limit:**	
Analytical Method Cd:	EPA 533	**QRAA:**	2
Qualifier:	<	**Units:**	NG/L
Value:	2	**Date:**	9/15/2023
Chemical Name:	Perfluorobutanesulfonic acid		
Regional Board:			
Treated Drinking Water Dt:			
Treated Drinking Water Qualifi:			
Treated Drinking Water Reporti:			
Treatd Drinking Water Sample:			
Treated Drinking Water Units:			
Treated Drinking Water Value:			

Sample ID:		**Lab Notes:**	
Matrix:	Liquid	**Reporting Limit:**	2
Chemical:	PFNA	**Detection Limit:**	
Analytical Method Cd:	EPA 533	**QRAA:**	
Qualifier:	<	**Units:**	NG/L
Value:	2	**Date:**	9/15/2023
Chemical Name:	Perfluorononanoic acid		
Regional Board:			
Treated Drinking Water Dt:			
Treated Drinking Water Qualifi:			
Treated Drinking Water Reporti:			
Treatd Drinking Water Sample:			
Treated Drinking Water Units:			
Treated Drinking Water Value:			

Sample ID:		**Lab Notes:**	
Matrix:	Liquid	**Reporting Limit:**	2
Chemical:	PFHpS	**Detection Limit:**	
Analytical Method Cd:	EPA 533	**QRAA:**	
Qualifier:	<	**Units:**	NG/L
Value:	2	**Date:**	9/15/2023
Chemical Name:	Perfluoroheptanesulfonic acid		
Regional Board:			
Treated Drinking Water Dt:			
Treated Drinking Water Qualifi:			

Treated Drinking Water Reporti:
Treatd Drinking Water Sample:
Treated Drinking Water Units:
Treated Drinking Water Value:

Sample ID: ***Lab Notes:***
Matrix: Liquid ***Reporting Limit:***
Chemical: PFOA ***Detection Limit:***
Analytical Method Cd: ***QRAA:*** 0
Qualifier: < ***Units:*** NG/L
Value: 1.9 ***Date:*** 3/6/2023
Chemical Name: Perfluorooctanoic acid
Regional Board:
Treated Drinking Water Dt:
Treated Drinking Water Qualifi:
Treated Drinking Water Reporti:
Treatd Drinking Water Sample:
Treated Drinking Water Units:
Treated Drinking Water Value:

Sample ID: ***Lab Notes:***
Matrix: Liquid ***Reporting Limit:*** 1.9
Chemical: PFMPA ***Detection Limit:***
Analytical Method Cd: EPA 533 ***QRAA:***
Qualifier: < ***Units:*** NG/L
Value: 1.9 ***Date:*** 3/6/2023
Chemical Name: Perfluoro-3-methoxypropanoic acid (PFMPA)
Regional Board:
Treated Drinking Water Dt:
Treated Drinking Water Qualifi:
Treated Drinking Water Reporti:
Treatd Drinking Water Sample:
Treated Drinking Water Units:
Treated Drinking Water Value:

Sample ID: ***Lab Notes:***
Matrix: Liquid ***Reporting Limit:*** 2
Chemical: PFBS ***Detection Limit:***
Analytical Method Cd: EPA 533 ***QRAA:*** 2
Qualifier: < ***Units:*** NG/L
Value: 2 ***Date:*** 12/4/2023
Chemical Name: Perfluorobutanesulfonic acid
Regional Board:
Treated Drinking Water Dt:
Treated Drinking Water Qualifi:
Treated Drinking Water Reporti:
Treatd Drinking Water Sample:
Treated Drinking Water Units:
Treated Drinking Water Value:

Sample ID: ***Lab Notes:***
Matrix: Liquid ***Reporting Limit:*** 2
Chemical: PFPeA ***Detection Limit:***
Analytical Method Cd: EPA 533 ***QRAA:***
Qualifier: < ***Units:*** NG/L
Value: 2 ***Date:*** 12/4/2023
Chemical Name: Perfluoropentanoic acid
Regional Board:
Treated Drinking Water Dt:
Treated Drinking Water Qualifi:
Treated Drinking Water Reporti:
Treatd Drinking Water Sample:
Treated Drinking Water Units:
Treated Drinking Water Value:

Sample ID: ***Lab Notes:***
Matrix: Liquid ***Reporting Limit:*** 2
Chemical: HFPO-DA ***Detection Limit:***
Analytical Method Cd: EPA 533 ***QRAA:***

Qualifier: <
Value: 2
Units: NG/L
Date: 6/30/2023
Chemical Name: 2,3,3,3-tetrafluoro-2-(1,1,2,2,3,3,3-heptafluoropropoxy) propanoic acid
Regional Board:
Treated Drinking Water Dt:
Treated Drinking Water Qualifi:
Treated Drinking Water Reporti:
Treatd Drinking Water Sample:
Treated Drinking Water Units:
Treated Drinking Water Value:

Sample ID:
Matrix: Liquid
Chemical: PFDoDA
Analytical Method Cd: EPA 533
Qualifier: <
Value: 2
Chemical Name: Perfluorododecanoic acid
Regional Board:
Treated Drinking Water Dt:
Treated Drinking Water Qualifi:
Treated Drinking Water Reporti:
Treatd Drinking Water Sample:
Treated Drinking Water Units:
Treated Drinking Water Value:
Lab Notes:
Reporting Limit: 2
Detection Limit:
QRAA:
Units: NG/L
Date: 12/4/2023

Sample ID:
Matrix: Liquid
Chemical: PFHpA
Analytical Method Cd: EPA 533
Qualifier: <
Value: 2
Chemical Name: Perfluoroheptanoic acid
Regional Board:
Treated Drinking Water Dt:
Treated Drinking Water Qualifi:
Treated Drinking Water Reporti:
Treatd Drinking Water Sample:
Treated Drinking Water Units:
Treated Drinking Water Value:
Lab Notes:
Reporting Limit: 2
Detection Limit:
QRAA:
Units: NG/L
Date: 12/4/2023

Sample ID:
Matrix: Liquid
Chemical: PFMBA
Analytical Method Cd: EPA 533
Qualifier: <
Value: 1.9
Chemical Name: Perfluoro-4-methoxybutanoic acid (PFMBA)
Regional Board:
Treated Drinking Water Dt:
Treated Drinking Water Qualifi:
Treated Drinking Water Reporti:
Treatd Drinking Water Sample:
Treated Drinking Water Units:
Treated Drinking Water Value:
Lab Notes:
Reporting Limit: 1.9
Detection Limit:
QRAA:
Units: NG/L
Date: 3/6/2023

Sample ID:
Matrix: Liquid
Chemical: PFNA
Analytical Method Cd: EPA 533
Qualifier: <
Value: 2
Chemical Name: Perfluorononanoic acid
Regional Board:
Treated Drinking Water Dt:
Treated Drinking Water Qualifi:
Treated Drinking Water Reporti:
Treatd Drinking Water Sample:
Treated Drinking Water Units:
Lab Notes:
Reporting Limit: 2
Detection Limit:
QRAA:
Units: NG/L
Date: 12/4/2023

Treated Drinking Water Value:

Sample ID: **Lab Notes:**
Matrix: Liquid **Reporting Limit:** 2
Chemical: 11-Cl-PF3OUdS **Detection Limit:**
Analytical Method Cd: EPA 533 **QRAA:**
Qualifier: < **Units:** NG/L
Value: 2 **Date:** 6/30/2023
Chemical Name: 11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid
Regional Board:
Treated Drinking Water Dt:
Treated Drinking Water Qualifi:
Treated Drinking Water Reporti:
Treatd Drinking Water Sample:
Treated Drinking Water Units:
Treated Drinking Water Value:

Sample ID: **Lab Notes:**
Matrix: Liquid **Reporting Limit:** 2
Chemical: NFDHA **Detection Limit:**
Analytical Method Cd: EPA 533 **QRAA:**
Qualifier: < **Units:** NG/L
Value: 2 **Date:** 12/4/2023
Chemical Name: Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)
Regional Board:
Treated Drinking Water Dt:
Treated Drinking Water Qualifi:
Treated Drinking Water Reporti:
Treatd Drinking Water Sample:
Treated Drinking Water Units:
Treated Drinking Water Value:

Sample ID: **Lab Notes:**
Matrix: Liquid **Reporting Limit:** 2
Chemical: 4:2 FTS **Detection Limit:**
Analytical Method Cd: EPA 533 **QRAA:**
Qualifier: < **Units:** NG/L
Value: 2 **Date:** 9/15/2023
Chemical Name: 4:2 Fluorotelomer sulfonic acid (1H, 1H, 2H, 2H-Perfluorohexanesulfonic acid)
Regional Board:
Treated Drinking Water Dt:
Treated Drinking Water Qualifi:
Treated Drinking Water Reporti:
Treatd Drinking Water Sample:
Treated Drinking Water Units:
Treated Drinking Water Value:

Sample ID: **Lab Notes:**
Matrix: Liquid **Reporting Limit:** 2
Chemical: PFPeS **Detection Limit:**
Analytical Method Cd: EPA 533 **QRAA:**
Qualifier: < **Units:** NG/L
Value: 2 **Date:** 9/15/2023
Chemical Name: Perfluoropentane sulfonoic acid
Regional Board:
Treated Drinking Water Dt:
Treated Drinking Water Qualifi:
Treated Drinking Water Reporti:
Treatd Drinking Water Sample:
Treated Drinking Water Units:
Treated Drinking Water Value:

Sample ID: **Lab Notes:**
Matrix: Liquid **Reporting Limit:** 2
Chemical: PFHxA **Detection Limit:**
Analytical Method Cd: EPA 533 **QRAA:**
Qualifier: < **Units:** NG/L
Value: 2 **Date:** 12/4/2023
Chemical Name: Perfluorohexanoic acid

Regional Board:
Treated Drinking Water Dt:
Treated Drinking Water Qualifi:
Treated Drinking Water Reporti:
Treatd Drinking Water Sample:
Treated Drinking Water Units:
Treated Drinking Water Value:

Sample ID: ***Lab Notes:***
Matrix: Liquid ***Reporting Limit:*** 2
Chemical: 8:2 FTS ***Detection Limit:***
Analytical Method Cd: EPA 533 ***QRAA:***
Qualifier: < ***Units:*** NG/L
Value: 2 ***Date:*** 12/4/2023
Chemical Name: 8:2 Fluorotelomer sulfonic acid (1H, 1H, 2H, 2H-Perfluorodecanesulfonic acid)
Regional Board:
Treated Drinking Water Dt:
Treated Drinking Water Qualifi:
Treated Drinking Water Reporti:
Treatd Drinking Water Sample:
Treated Drinking Water Units:
Treated Drinking Water Value:

Sample ID: ***Lab Notes:***
Matrix: Liquid ***Reporting Limit:*** 2
Chemical: PFEESA ***Detection Limit:***
Analytical Method Cd: EPA 533 ***QRAA:***
Qualifier: < ***Units:*** NG/L
Value: 2 ***Date:*** 9/15/2023
Chemical Name: Perfluoro(2-ethoxyethane) sulfonic acid (PFEESA)
Regional Board:
Treated Drinking Water Dt:
Treated Drinking Water Qualifi:
Treated Drinking Water Reporti:
Treatd Drinking Water Sample:
Treated Drinking Water Units:
Treated Drinking Water Value:

Sample ID: ***Lab Notes:***
Matrix: Liquid ***Reporting Limit:***
Chemical: PFOS ***Detection Limit:***
Analytical Method Cd: ***QRAA:*** 0
Qualifier: < ***Units:*** NG/L
Value: 2 ***Date:*** 12/4/2023
Chemical Name: Perfluorooctane sulfonic acid (PFOS)
Regional Board:
Treated Drinking Water Dt:
Treated Drinking Water Qualifi:
Treated Drinking Water Reporti:
Treatd Drinking Water Sample:
Treated Drinking Water Units:
Treated Drinking Water Value:

Sample ID: ***Lab Notes:***
Matrix: Liquid ***Reporting Limit:*** 2
Chemical: PFMPA ***Detection Limit:***
Analytical Method Cd: EPA 533 ***QRAA:***
Qualifier: < ***Units:*** NG/L
Value: 2 ***Date:*** 9/15/2023
Chemical Name: Perfluoro-3-methoxypropanoic acid (PFMPA)
Regional Board:
Treated Drinking Water Dt:
Treated Drinking Water Qualifi:
Treated Drinking Water Reporti:
Treatd Drinking Water Sample:
Treated Drinking Water Units:
Treated Drinking Water Value:

Sample ID: ***Lab Notes:***

Matrix:	Liquid	**Reporting Limit:**	2
Chemical:	PFMBA	**Detection Limit:**	
Analytical Method Cd:	EPA 533	**QRAA:**	
Qualifier:	<	**Units:**	NG/L
Value:	2	**Date:**	9/15/2023
Chemical Name:	Perfluoro-4-methoxybutanoic acid (PFMBA)		
Regional Board:			
Treated Drinking Water Dt:			
Treated Drinking Water Qualifi:			
Treated Drinking Water Reporti:			
Treatd Drinking Water Sample:			
Treated Drinking Water Units:			
Treated Drinking Water Value:			

Sample ID:		**Lab Notes:**	
Matrix:	Liquid	**Reporting Limit:**	
Chemical:	PFOS	**Detection Limit:**	
Analytical Method Cd:		**QRAA:**	0
Qualifier:	<	**Units:**	NG/L
Value:	2	**Date:**	9/15/2023
Chemical Name:	Perfluorooctane sulfonic acid (PFOS)		
Regional Board:			
Treated Drinking Water Dt:			
Treated Drinking Water Qualifi:			
Treated Drinking Water Reporti:			
Treatd Drinking Water Sample:			
Treated Drinking Water Units:			
Treated Drinking Water Value:			

Sample ID:		**Lab Notes:**	
Matrix:	Liquid	**Reporting Limit:**	
Chemical:	PFHxS	**Detection Limit:**	
Analytical Method Cd:		**QRAA:**	0
Qualifier:	<	**Units:**	NG/L
Value:	1.9	**Date:**	3/6/2023
Chemical Name:	Perfluorohexanesulfonic acid		
Regional Board:			
Treated Drinking Water Dt:			
Treated Drinking Water Qualifi:			
Treated Drinking Water Reporti:			
Treatd Drinking Water Sample:			
Treated Drinking Water Units:			
Treated Drinking Water Value:			

Sample ID:		**Lab Notes:**	
Matrix:	Liquid	**Reporting Limit:**	
Chemical:	PFHxS	**Detection Limit:**	
Analytical Method Cd:		**QRAA:**	0
Qualifier:	<	**Units:**	NG/L
Value:	2	**Date:**	9/15/2023
Chemical Name:	Perfluorohexanesulfonic acid		
Regional Board:			
Treated Drinking Water Dt:			
Treated Drinking Water Qualifi:			
Treated Drinking Water Reporti:			
Treatd Drinking Water Sample:			
Treated Drinking Water Units:			
Treated Drinking Water Value:			

Sample ID:		**Lab Notes:**	
Matrix:	Liquid	**Reporting Limit:**	1.9
Chemical:	PFPeA	**Detection Limit:**	
Analytical Method Cd:	EPA 533	**QRAA:**	
Qualifier:	<	**Units:**	NG/L
Value:	1.9	**Date:**	3/6/2023
Chemical Name:	Perfluoropentanoic acid		
Regional Board:			
Treated Drinking Water Dt:			
Treated Drinking Water Qualifi:			

Treated Drinking Water Reporti:
Treatd Drinking Water Sample:
Treated Drinking Water Units:
Treated Drinking Water Value:

Sample ID: ***Lab Notes:***
Matrix: Liquid ***Reporting Limit:*** 2
Chemical: ADONA ***Detection Limit:***
Analytical Method Cd: EPA 533 ***QRAA:***
Qualifier: < ***Units:*** NG/L
Value: 2 ***Date:*** 9/15/2023
Chemical Name: 4,8-Dioxa-3H-perfluorononanoic acid
Regional Board:
Treated Drinking Water Dt:
Treated Drinking Water Qualifi:
Treated Drinking Water Reporti:
Treatd Drinking Water Sample:
Treated Drinking Water Units:
Treated Drinking Water Value:

Sample ID: ***Lab Notes:***
Matrix: Liquid ***Reporting Limit:*** 2
Chemical: 4:2 FTS ***Detection Limit:***
Analytical Method Cd: EPA 533 ***QRAA:***
Qualifier: < ***Units:*** NG/L
Value: 2 ***Date:*** 12/4/2023
Chemical Name: 4:2 Fluorotelomer sulfonic acid (1H, 1H, 2H, 2H-Perfluorohexanesulfonic acid)
Regional Board:
Treated Drinking Water Dt:
Treated Drinking Water Qualifi:
Treated Drinking Water Reporti:
Treatd Drinking Water Sample:
Treated Drinking Water Units:
Treated Drinking Water Value:

Sample ID: ***Lab Notes:***
Matrix: Liquid ***Reporting Limit:*** 2
Chemical: PFHpS ***Detection Limit:***
Analytical Method Cd: EPA 533 ***QRAA:***
Qualifier: < ***Units:*** NG/L
Value: 2 ***Date:*** 6/30/2023
Chemical Name: Perfluoroheptanesulfonic acid
Regional Board:
Treated Drinking Water Dt:
Treated Drinking Water Qualifi:
Treated Drinking Water Reporti:
Treatd Drinking Water Sample:
Treated Drinking Water Units:
Treated Drinking Water Value:

Sample ID: ***Lab Notes:***
Matrix: Liquid ***Reporting Limit:*** 1.9
Chemical: PFHpS ***Detection Limit:***
Analytical Method Cd: EPA 533 ***QRAA:***
Qualifier: < ***Units:*** NG/L
Value: 1.9 ***Date:*** 3/6/2023
Chemical Name: Perfluoroheptanesulfonic acid
Regional Board:
Treated Drinking Water Dt:
Treated Drinking Water Qualifi:
Treated Drinking Water Reporti:
Treatd Drinking Water Sample:
Treated Drinking Water Units:
Treated Drinking Water Value:

Sample ID: ***Lab Notes:***
Matrix: Liquid ***Reporting Limit:*** 2
Chemical: PFHxA ***Detection Limit:***
Analytical Method Cd: EPA 533 ***QRAA:***

Qualifier: <
Value: 2
Units: NG/L
Date: 9/15/2023
Chemical Name: Perfluorohexanoic acid
Regional Board:
Treated Drinking Water Dt:
Treated Drinking Water Qualifi:
Treated Drinking Water Reporti:
Treatd Drinking Water Sample:
Treated Drinking Water Units:
Treated Drinking Water Value:

Sample ID:
Matrix: Liquid
Chemical: PFNA
Analytical Method Cd: EPA 533
Qualifier: <
Value: 2
Chemical Name: Perfluorononanoic acid
Regional Board:
Treated Drinking Water Dt:
Treated Drinking Water Qualifi:
Treated Drinking Water Reporti:
Treatd Drinking Water Sample:
Treated Drinking Water Units:
Treated Drinking Water Value:
Lab Notes:
Reporting Limit: 2
Detection Limit:
QRAA:
Units: NG/L
Date: 6/30/2023

Sample ID:
Matrix: Liquid
Chemical: PFMBA
Analytical Method Cd: EPA 533
Qualifier: <
Value: 2
Chemical Name: Perfluoro-4-methoxybutanoic acid (PFMBA)
Regional Board:
Treated Drinking Water Dt:
Treated Drinking Water Qualifi:
Treated Drinking Water Reporti:
Treatd Drinking Water Sample:
Treated Drinking Water Units:
Treated Drinking Water Value:
Lab Notes:
Reporting Limit: 2
Detection Limit:
QRAA:
Units: NG/L
Date: 12/4/2023

Sample ID:
Matrix: Liquid
Chemical: PFBA
Analytical Method Cd: EPA 533
Qualifier: <
Value: 1.9
Chemical Name: Perfluorobutanoic acid
Regional Board:
Treated Drinking Water Dt:
Treated Drinking Water Qualifi:
Treated Drinking Water Reporti:
Treatd Drinking Water Sample:
Treated Drinking Water Units:
Treated Drinking Water Value:
Lab Notes:
Reporting Limit: 1.9
Detection Limit:
QRAA:
Units: NG/L
Date: 3/6/2023

Sample ID:
Matrix: Liquid
Chemical: PFEESA
Analytical Method Cd: EPA 533
Qualifier: <
Value: 2
Chemical Name: Perfluoro(2-ethoxyethane) sulfonic acid (PFEESA)
Regional Board:
Treated Drinking Water Dt:
Treated Drinking Water Qualifi:
Treated Drinking Water Reporti:
Treatd Drinking Water Sample:
Treated Drinking Water Units:
Lab Notes:
Reporting Limit: 2
Detection Limit:
QRAA:
Units: NG/L
Date: 6/30/2023

Treated Drinking Water Value:

Sample ID: ***Lab Notes:***
Matrix: Liquid ***Reporting Limit:*** 2
Chemical: 9-Cl-PF3ONS ***Detection Limit:***
Analytical Method Cd: EPA 533 ***QRAA:***
Qualifier: < ***Units:*** NG/L
Value: 2 ***Date:*** 9/15/2023
Chemical Name: 9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid
Regional Board:
Treated Drinking Water Dt:
Treated Drinking Water Qualifi:
Treated Drinking Water Reporti:
Treatd Drinking Water Sample:
Treated Drinking Water Units:
Treated Drinking Water Value:

Sample ID: ***Lab Notes:***
Matrix: Liquid ***Reporting Limit:*** 2
Chemical: PFBS ***Detection Limit:***
Analytical Method Cd: EPA 533 ***QRAA:*** 2
Qualifier: < ***Units:*** NG/L
Value: 2 ***Date:*** 6/30/2023
Chemical Name: Perfluorobutanesulfonic acid
Regional Board:
Treated Drinking Water Dt:
Treated Drinking Water Qualifi:
Treated Drinking Water Reporti:
Treatd Drinking Water Sample:
Treated Drinking Water Units:
Treated Drinking Water Value:

Sample ID: ***Lab Notes:***
Matrix: Liquid ***Reporting Limit:***
Chemical: PFOA ***Detection Limit:***
Analytical Method Cd: ***QRAA:*** 0
Qualifier: < ***Units:*** NG/L
Value: 2 ***Date:*** 6/30/2023
Chemical Name: Perfluorooctanoic acid
Regional Board:
Treated Drinking Water Dt:
Treated Drinking Water Qualifi:
Treated Drinking Water Reporti:
Treatd Drinking Water Sample:
Treated Drinking Water Units:
Treated Drinking Water Value:

---

8 ***1 of2*** ***SW*** ***0.34 / 1,812.22*** ***262.54 / -3*** ***CA*** ***PFAS GW***

Well ID: CA2010004_003_003 ***SRS Latitude:*** 36.934317
Gm Dataset Name: DDW ***SRS Longitude:*** -120.048068
Gm Data Source: DDW ***Latitude:*** 36.934317
Gm Well Category: Municipal ***Longitude:*** -120.048068
SRS Datum:
Gm Altwell Id1: 2010004-003
Gm Altwell Id2:
Gm Altwell Id3:

Well Details

Gm Cas No: ***SRC Chemical:*** 2815
Gm Result: 2 ***SRC Result:***
Gm Result Modifier: < ***SRC Result Modifie:*** Y
Gm Chemical Units: NG/L ***Src Chemical Units:*** NG/L
Gm Chemical Vvl: ADONA ***SRC Report Limit:*** 2

Gm Reporting Limit:	2	**SRC Analytic Meth:**	EPA 533
Gm Well Depth Ft:		**SRC Well Depth Ft:**	
Gm Chemical Name:	4,8-Dioxa-3H-perfluorononanoic acid (ADONA)		
Gm Samp Collection Date:	02/06/2025		
Gm Screen Top Depth Ft:	240		
Gm Screen Bottom Depth Ft:	456		
SRC Samp Collection Date:	02/06/2025		
SRC Samp Collection Time:	11:13:00		
SRC Screen Top Depth Ft:			
SRC Screen Bottom Depth Ft:			
SRC Lab Note:	E.S. BABCOCK & SONS		
SRC Analysis Date:	03/06/2025		
SRC Well Category:			

Gm Cas No:		**SRC Chemical:**	2825
Gm Result:	2	**SRC Result:**	
Gm Result Modifier:	<	**SRC Result Modifie:**	Y
Gm Chemical Units:	NG/L	**Src Chemical Units:**	NG/L
Gm Chemical Vvl:	PFMBA	**SRC Report Limit:**	2
Gm Reporting Limit:	2	**SRC Analytic Meth:**	EPA 533
Gm Well Depth Ft:		**SRC Well Depth Ft:**	
Gm Chemical Name:	Perfluoro-4-methoxybutanoic acid (PFMBA)		
Gm Samp Collection Date:	02/06/2025		
Gm Screen Top Depth Ft:	240		
Gm Screen Bottom Depth Ft:	456		
SRC Samp Collection Date:	02/06/2025		
SRC Samp Collection Time:	11:13:00		
SRC Screen Top Depth Ft:			
SRC Screen Bottom Depth Ft:			
SRC Lab Note:	E.S. BABCOCK & SONS		
SRC Analysis Date:	03/06/2025		
SRC Well Category:			

Gm Cas No:		**SRC Chemical:**	2821
Gm Result:	2	**SRC Result:**	
Gm Result Modifier:	<	**SRC Result Modifie:**	Y
Gm Chemical Units:	NG/L	**Src Chemical Units:**	NG/L
Gm Chemical Vvl:	4:2FTS	**SRC Report Limit:**	2
Gm Reporting Limit:	2	**SRC Analytic Meth:**	EPA 533
Gm Well Depth Ft:		**SRC Well Depth Ft:**	
Gm Chemical Name:	4:2 Fluorotelomer sulfonic acid (1H, 1H, 2H, 2H-Perfluorohexanesulfonic acid) (4:2 FTS)		
Gm Samp Collection Date:	02/06/2025		
Gm Screen Top Depth Ft:	240		
Gm Screen Bottom Depth Ft:	456		
SRC Samp Collection Date:	02/06/2025		
SRC Samp Collection Time:	11:13:00		
SRC Screen Top Depth Ft:			
SRC Screen Bottom Depth Ft:			
SRC Lab Note:	E.S. BABCOCK & SONS		
SRC Analysis Date:	03/06/2025		
SRC Well Category:			

Gm Cas No:		**SRC Chemical:**	2809
Gm Result:	2	**SRC Result:**	
Gm Result Modifier:	<	**SRC Result Modifie:**	Y
Gm Chemical Units:	NG/L	**Src Chemical Units:**	NG/L
Gm Chemical Vvl:	PFHA	**SRC Report Limit:**	2
Gm Reporting Limit:	2	**SRC Analytic Meth:**	EPA 533
Gm Well Depth Ft:		**SRC Well Depth Ft:**	
Gm Chemical Name:	Perfluorohexanoic acid (PFHxA)		
Gm Samp Collection Date:	02/06/2025		
Gm Screen Top Depth Ft:	240		
Gm Screen Bottom Depth Ft:	456		
SRC Samp Collection Date:	02/06/2025		
SRC Samp Collection Time:	11:13:00		
SRC Screen Top Depth Ft:			
SRC Screen Bottom Depth Ft:			
SRC Lab Note:	E.S. BABCOCK & SONS		
SRC Analysis Date:	03/06/2025		

SRC Well Category:

Gm Cas No: | **SRC Chemical:** 2822
Gm Result: 5 | **SRC Result:**
Gm Result Modifier: < | **SRC Result Modifie:** Y
Gm Chemical Units: NG/L | **Src Chemical Units:** NG/L
Gm Chemical Vvl: 8:2FTS | **SRC Report Limit:** 5
Gm Reporting Limit: 5 | **SRC Analytic Meth:** EPA 533
Gm Well Depth Ft: | **SRC Well Depth Ft:**
Gm Chemical Name: 8:2 Fluorotelomer sulfonic acid (1H, 1H, 2H, 2H-Perfluorodecanesulfonic acid) (8:2 FTS)
Gm Samp Collection Date: 02/06/2025
Gm Screen Top Depth Ft: 240
Gm Screen Bottom Depth Ft: 456
SRC Samp Collection Date: 02/06/2025
SRC Samp Collection Time: 11:13:00
SRC Screen Top Depth Ft:
SRC Screen Bottom Depth Ft:
SRC Lab Note: E.S. BABCOCK & SONS
SRC Analysis Date: 03/06/2025
SRC Well Category:

Gm Cas No: | **SRC Chemical:** 2823
Gm Result: 2 | **SRC Result:**
Gm Result Modifier: < | **SRC Result Modifie:** Y
Gm Chemical Units: NG/L | **Src Chemical Units:** NG/L
Gm Chemical Vvl: PFMPA | **SRC Report Limit:** 2
Gm Reporting Limit: 2 | **SRC Analytic Meth:** EPA 533
Gm Well Depth Ft: | **SRC Well Depth Ft:**
Gm Chemical Name: Perfluoro-3-methoxypropanoic acid (PFMPA)
Gm Samp Collection Date: 02/06/2025
Gm Screen Top Depth Ft: 240
Gm Screen Bottom Depth Ft: 456
SRC Samp Collection Date: 02/06/2025
SRC Samp Collection Time: 11:13:00
SRC Screen Top Depth Ft:
SRC Screen Bottom Depth Ft:
SRC Lab Note: E.S. BABCOCK & SONS
SRC Analysis Date: 03/06/2025
SRC Well Category:

Gm Cas No: | **SRC Chemical:** 2807
Gm Result: 2 | **SRC Result:**
Gm Result Modifier: < | **SRC Result Modifie:** Y
Gm Chemical Units: NG/L | **Src Chemical Units:** NG/L
Gm Chemical Vvl: PFNDCA | **SRC Report Limit:** 2
Gm Reporting Limit: 2 | **SRC Analytic Meth:** EPA 533
Gm Well Depth Ft: | **SRC Well Depth Ft:**
Gm Chemical Name: Perfluorodecanoic acid (PFDA)
Gm Samp Collection Date: 02/06/2025
Gm Screen Top Depth Ft: 240
Gm Screen Bottom Depth Ft: 456
SRC Samp Collection Date: 02/06/2025
SRC Samp Collection Time: 11:13:00
SRC Screen Top Depth Ft:
SRC Screen Bottom Depth Ft:
SRC Lab Note: E.S. BABCOCK & SONS
SRC Analysis Date: 03/06/2025
SRC Well Category:

Gm Cas No: | **SRC Chemical:** 2828
Gm Result: 2 | **SRC Result:**
Gm Result Modifier: < | **SRC Result Modifie:** Y
Gm Chemical Units: NG/L | **Src Chemical Units:** NG/L
Gm Chemical Vvl: PFPES | **SRC Report Limit:** 2
Gm Reporting Limit: 2 | **SRC Analytic Meth:** EPA 533
Gm Well Depth Ft: | **SRC Well Depth Ft:**
Gm Chemical Name: Perfluoropentane sulfonoic acid (PFPeS)
Gm Samp Collection Date: 02/06/2025
Gm Screen Top Depth Ft: 240

Gm Screen Bottom Depth Ft: 456
SRC Samp Collection Date: 02/06/2025
SRC Samp Collection Time: 11:13:00
SRC Screen Top Depth Ft:
SRC Screen Bottom Depth Ft:
SRC Lab Note: E.S. BABCOCK & SONS
SRC Analysis Date: 03/06/2025
SRC Well Category:

Gm Cas No:
Gm Result: 2
Gm Result Modifier: <
Gm Chemical Units: NG/L
Gm Chemical Vvl: PFBSA
Gm Reporting Limit: 2
Gm Well Depth Ft:
Gm Chemical Name: Perfluorobutane sulfonic acid (PFBS)
Gm Samp Collection Date: 02/06/2025
Gm Screen Top Depth Ft: 240
Gm Screen Bottom Depth Ft: 456
SRC Samp Collection Date: 02/06/2025
SRC Samp Collection Time: 11:13:00
SRC Screen Top Depth Ft:
SRC Screen Bottom Depth Ft:
SRC Lab Note: E.S. BABCOCK & SONS
SRC Analysis Date: 03/06/2025
SRC Well Category:
SRC Chemical: 2801
SRC Result:
SRC Result Modifie: Y
Src Chemical Units: NG/L
SRC Report Limit: 2
SRC Analytic Meth: EPA 533
SRC Well Depth Ft:

Gm Cas No:
Gm Result: 2
Gm Result Modifier: <
Gm Chemical Units: NG/L
Gm Chemical Vvl: PFBTA
Gm Reporting Limit: 2
Gm Well Depth Ft:
Gm Chemical Name: Perfluorobutyric acid (PFBA)
Gm Samp Collection Date: 02/06/2025
Gm Screen Top Depth Ft: 240
Gm Screen Bottom Depth Ft: 456
SRC Samp Collection Date: 02/06/2025
SRC Samp Collection Time: 11:13:00
SRC Screen Top Depth Ft:
SRC Screen Bottom Depth Ft:
SRC Lab Note: E.S. BABCOCK & SONS
SRC Analysis Date: 03/06/2025
SRC Well Category:
SRC Chemical: 2819
SRC Result:
SRC Result Modifie: Y
Src Chemical Units: NG/L
SRC Report Limit: 2
SRC Analytic Meth: EPA 533
SRC Well Depth Ft:

Gm Cas No:
Gm Result: 2
Gm Result Modifier: <
Gm Chemical Units: NG/L
Gm Chemical Vvl: PFUNDCA
Gm Reporting Limit: 2
Gm Well Depth Ft:
Gm Chemical Name: Perfluoroundecanoic acid (PFUnDA)
Gm Samp Collection Date: 02/06/2025
Gm Screen Top Depth Ft: 240
Gm Screen Bottom Depth Ft: 456
SRC Samp Collection Date: 02/06/2025
SRC Samp Collection Time: 11:13:00
SRC Screen Top Depth Ft:
SRC Screen Bottom Depth Ft:
SRC Lab Note: E.S. BABCOCK & SONS
SRC Analysis Date: 03/06/2025
SRC Well Category:
SRC Chemical: 2812
SRC Result:
SRC Result Modifie: Y
Src Chemical Units: NG/L
SRC Report Limit: 2
SRC Analytic Meth: EPA 533
SRC Well Depth Ft:

Gm Cas No:
Gm Result: 2
Gm Result Modifier: <
SRC Chemical: 2808
SRC Result:
SRC Result Modifie: Y

Gm Chemical Units:	NG/L	**Src Chemical Units:**	NG/L
Gm Chemical Vvl:	PFDOA	**SRC Report Limit:**	2
Gm Reporting Limit:	2	**SRC Analytic Meth:**	EPA 533
Gm Well Depth Ft:		**SRC Well Depth Ft:**	
Gm Chemical Name:	Perfluorododecanoic acid (PFDoDA)		
Gm Samp Collection Date:	02/06/2025		
Gm Screen Top Depth Ft:	240		
Gm Screen Bottom Depth Ft:	456		
SRC Samp Collection Date:	02/06/2025		
SRC Samp Collection Time:	11:13:00		
SRC Screen Top Depth Ft:			
SRC Screen Bottom Depth Ft:			
SRC Lab Note:	E.S. BABCOCK & SONS		
SRC Analysis Date:	03/06/2025		
SRC Well Category:			

Gm Cas No:		**SRC Chemical:**	2806
Gm Result:	2.8	**SRC Result:**	2.8
Gm Result Modifier:	=	**SRC Result Modifie:**	N
Gm Chemical Units:	NG/L	**Src Chemical Units:**	NG/L
Gm Chemical Vvl:	PFOA	**SRC Report Limit:**	2
Gm Reporting Limit:	2	**SRC Analytic Meth:**	EPA 533
Gm Well Depth Ft:		**SRC Well Depth Ft:**	
Gm Chemical Name:	Perfluorooctanoic acid (PFOA)		
Gm Samp Collection Date:	02/06/2025		
Gm Screen Top Depth Ft:	240		
Gm Screen Bottom Depth Ft:	456		
SRC Samp Collection Date:	02/06/2025		
SRC Samp Collection Time:	11:13:00		
SRC Screen Top Depth Ft:			
SRC Screen Bottom Depth Ft:			
SRC Lab Note:	E.S. BABCOCK & SONS		
SRC Analysis Date:	03/06/2025		
SRC Well Category:			

Gm Cas No:		**SRC Chemical:**	2803
Gm Result:	2	**SRC Result:**	
Gm Result Modifier:	<	**SRC Result Modifie:**	Y
Gm Chemical Units:	NG/L	**Src Chemical Units:**	NG/L
Gm Chemical Vvl:	PFHXSA	**SRC Report Limit:**	2
Gm Reporting Limit:	2	**SRC Analytic Meth:**	EPA 533
Gm Well Depth Ft:		**SRC Well Depth Ft:**	
Gm Chemical Name:	Perfluorohexanesulfonic acid (PFHxS)		
Gm Samp Collection Date:	02/06/2025		
Gm Screen Top Depth Ft:	240		
Gm Screen Bottom Depth Ft:	456		
SRC Samp Collection Date:	02/06/2025		
SRC Samp Collection Time:	11:13:00		
SRC Screen Top Depth Ft:			
SRC Screen Bottom Depth Ft:			
SRC Lab Note:	E.S. BABCOCK & SONS		
SRC Analysis Date:	03/06/2025		
SRC Well Category:			

Gm Cas No:		**SRC Chemical:**	2813
Gm Result:	2	**SRC Result:**	
Gm Result Modifier:	<	**SRC Result Modifie:**	Y
Gm Chemical Units:	NG/L	**Src Chemical Units:**	NG/L
Gm Chemical Vvl:	11ClPF3OUDS	**SRC Report Limit:**	2
Gm Reporting Limit:	2	**SRC Analytic Meth:**	EPA 533
Gm Well Depth Ft:		**SRC Well Depth Ft:**	
Gm Chemical Name:	11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11-Cl-PF3OUdS)		
Gm Samp Collection Date:	02/06/2025		
Gm Screen Top Depth Ft:	240		
Gm Screen Bottom Depth Ft:	456		
SRC Samp Collection Date:	02/06/2025		
SRC Samp Collection Time:	11:13:00		
SRC Screen Top Depth Ft:			
SRC Screen Bottom Depth Ft:			

SRC Lab Note:	E.S. BABCOCK & SONS		
SRC Analysis Date:	03/06/2025		
SRC Well Category:			
Gm Cas No:		**SRC Chemical:**	2802
Gm Result:	2	**SRC Result:**	
Gm Result Modifier:	<	**SRC Result Modifie:**	Y
Gm Chemical Units:	NG/L	**Src Chemical Units:**	NG/L
Gm Chemical Vvl:	PFHPA	**SRC Report Limit:**	2
Gm Reporting Limit:	2	**SRC Analytic Meth:**	EPA 533
Gm Well Depth Ft:		**SRC Well Depth Ft:**	
Gm Chemical Name:	Perfluoroheptanoic acid (PFHpA)		
Gm Samp Collection Date:	02/06/2025		
Gm Screen Top Depth Ft:	240		
Gm Screen Bottom Depth Ft:	456		
SRC Samp Collection Date:	02/06/2025		
SRC Samp Collection Time:	11:13:00		
SRC Screen Top Depth Ft:			
SRC Screen Bottom Depth Ft:			
SRC Lab Note:	E.S. BABCOCK & SONS		
SRC Analysis Date:	03/06/2025		
SRC Well Category:			

Gm Cas No:		**SRC Chemical:**	2805
Gm Result:	2	**SRC Result:**	
Gm Result Modifier:	<	**SRC Result Modifie:**	Y
Gm Chemical Units:	NG/L	**Src Chemical Units:**	NG/L
Gm Chemical Vvl:	PFOS	**SRC Report Limit:**	2
Gm Reporting Limit:	2	**SRC Analytic Meth:**	EPA 533
Gm Well Depth Ft:		**SRC Well Depth Ft:**	
Gm Chemical Name:	Perfluorooctane sulfonate (PFOS)		
Gm Samp Collection Date:	02/06/2025		
Gm Screen Top Depth Ft:	240		
Gm Screen Bottom Depth Ft:	456		
SRC Samp Collection Date:	02/06/2025		
SRC Samp Collection Time:	11:13:00		
SRC Screen Top Depth Ft:			
SRC Screen Bottom Depth Ft:			
SRC Lab Note:	E.S. BABCOCK & SONS		
SRC Analysis Date:	03/06/2025		
SRC Well Category:			

Gm Cas No:		**SRC Chemical:**	2829
Gm Result:	2	**SRC Result:**	
Gm Result Modifier:	<	**SRC Result Modifie:**	Y
Gm Chemical Units:	NG/L	**Src Chemical Units:**	NG/L
Gm Chemical Vvl:	PFHPSA	**SRC Report Limit:**	2
Gm Reporting Limit:	2	**SRC Analytic Meth:**	EPA 533
Gm Well Depth Ft:		**SRC Well Depth Ft:**	
Gm Chemical Name:	Perfluoroheptane sulfonic acid (PFHpS)		
Gm Samp Collection Date:	02/06/2025		
Gm Screen Top Depth Ft:	240		
Gm Screen Bottom Depth Ft:	456		
SRC Samp Collection Date:	02/06/2025		
SRC Samp Collection Time:	11:13:00		
SRC Screen Top Depth Ft:			
SRC Screen Bottom Depth Ft:			
SRC Lab Note:	E.S. BABCOCK & SONS		
SRC Analysis Date:	03/06/2025		
SRC Well Category:			

Gm Cas No:		**SRC Chemical:**	2826
Gm Result:	2	**SRC Result:**	
Gm Result Modifier:	<	**SRC Result Modifie:**	Y
Gm Chemical Units:	NG/L	**Src Chemical Units:**	NG/L
Gm Chemical Vvl:	PFEESA	**SRC Report Limit:**	2
Gm Reporting Limit:	2	**SRC Analytic Meth:**	EPA 533
Gm Well Depth Ft:		**SRC Well Depth Ft:**	
Gm Chemical Name:	Perfluoro(2-ethoxyethane) sulfonic acid (PFEESA)		

Gm Samp Collection Date: 02/06/2025
Gm Screen Top Depth Ft: 240
Gm Screen Bottom Depth Ft: 456
SRC Samp Collection Date: 02/06/2025
SRC Samp Collection Time: 11:13:00
SRC Screen Top Depth Ft:
SRC Screen Bottom Depth Ft:
SRC Lab Note: E.S. BABCOCK & SONS
SRC Analysis Date: 03/06/2025
SRC Well Category:

Gm Cas No:
SRC Chemical: 2827
Gm Result: 2
SRC Result:
Gm Result Modifier: <
SRC Result Modifie: Y
Gm Chemical Units: NG/L
Src Chemical Units: NG/L
Gm Chemical Vvl: NFDHA
SRC Report Limit: 2
Gm Reporting Limit: 2
SRC Analytic Meth: EPA 533
Gm Well Depth Ft:
SRC Well Depth Ft:
Gm Chemical Name: Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)
Gm Samp Collection Date: 02/06/2025
Gm Screen Top Depth Ft: 240
Gm Screen Bottom Depth Ft: 456
SRC Samp Collection Date: 02/06/2025
SRC Samp Collection Time: 11:13:00
SRC Screen Top Depth Ft:
SRC Screen Bottom Depth Ft:
SRC Lab Note: E.S. BABCOCK & SONS
SRC Analysis Date: 03/06/2025
SRC Well Category:

Gm Cas No:
SRC Chemical: 2820
Gm Result: 5
SRC Result:
Gm Result Modifier: <
SRC Result Modifie: Y
Gm Chemical Units: NG/L
Src Chemical Units: NG/L
Gm Chemical Vvl: 6:2FTS
SRC Report Limit: 5
Gm Reporting Limit: 5
SRC Analytic Meth: EPA 533
Gm Well Depth Ft:
SRC Well Depth Ft:
Gm Chemical Name: 6:2 Fluorotelomer sulfonic acid (1H,1H,2H,2H-Perfluorooctanesulfonic acid) (6:2 FTS)
Gm Samp Collection Date: 02/06/2025
Gm Screen Top Depth Ft: 240
Gm Screen Bottom Depth Ft: 456
SRC Samp Collection Date: 02/06/2025
SRC Samp Collection Time: 11:13:00
SRC Screen Top Depth Ft:
SRC Screen Bottom Depth Ft:
SRC Lab Note: E.S. BABCOCK & SONS
SRC Analysis Date: 03/06/2025
SRC Well Category:

Gm Cas No:
SRC Chemical: 2816
Gm Result: 2
SRC Result:
Gm Result Modifier: <
SRC Result Modifie: Y
Gm Chemical Units: NG/L
Src Chemical Units: NG/L
Gm Chemical Vvl: HFPA-DA
SRC Report Limit: 2
Gm Reporting Limit: 2
SRC Analytic Meth: EPA 533
Gm Well Depth Ft:
SRC Well Depth Ft:
Gm Chemical Name: 2,3,3,3-tetrafluoro-2-(1,1,2,2,3,3,3-heptafluoropropoxy) propanoic acid (HFPO-DA)
Gm Samp Collection Date: 02/06/2025
Gm Screen Top Depth Ft: 240
Gm Screen Bottom Depth Ft: 456
SRC Samp Collection Date: 02/06/2025
SRC Samp Collection Time: 11:13:00
SRC Screen Top Depth Ft:
SRC Screen Bottom Depth Ft:
SRC Lab Note: E.S. BABCOCK & SONS
SRC Analysis Date: 03/06/2025
SRC Well Category:

Gm Cas No:
SRC Chemical: 2814

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Gm Result:	2	**SRC Result:**	
Gm Result Modifier:	<	**SRC Result Modifie:**	Y
Gm Chemical Units:	NG/L	**Src Chemical Units:**	NG/L
Gm Chemical Vvl:	9ClPF3ONS	**SRC Report Limit:**	2
Gm Reporting Limit:	2	**SRC Analytic Meth:**	EPA 533
Gm Well Depth Ft:		**SRC Well Depth Ft:**	
Gm Chemical Name:	9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9-Cl-PF3ONS)		
Gm Samp Collection Date:	02/06/2025		
Gm Screen Top Depth Ft:	240		
Gm Screen Bottom Depth Ft:	456		
SRC Samp Collection Date:	02/06/2025		
SRC Samp Collection Time:	11:13:00		
SRC Screen Top Depth Ft:			
SRC Screen Bottom Depth Ft:			
SRC Lab Note:	E.S. BABCOCK & SONS		
SRC Analysis Date:	03/06/2025		
SRC Well Category:			

Gm Cas No:		**SRC Chemical:**	2824
Gm Result:	2	**SRC Result:**	
Gm Result Modifier:	<	**SRC Result Modifie:**	Y
Gm Chemical Units:	NG/L	**Src Chemical Units:**	NG/L
Gm Chemical Vvl:	PFPA	**SRC Report Limit:**	2
Gm Reporting Limit:	2	**SRC Analytic Meth:**	EPA 533
Gm Well Depth Ft:		**SRC Well Depth Ft:**	
Gm Chemical Name:	Perfluoropentanoic acid (PFPeA)		
Gm Samp Collection Date:	02/06/2025		
Gm Screen Top Depth Ft:	240		
Gm Screen Bottom Depth Ft:	456		
SRC Samp Collection Date:	02/06/2025		
SRC Samp Collection Time:	11:13:00		
SRC Screen Top Depth Ft:			
SRC Screen Bottom Depth Ft:			
SRC Lab Note:	E.S. BABCOCK & SONS		
SRC Analysis Date:	03/06/2025		
SRC Well Category:			

Gm Cas No:		**SRC Chemical:**	2804
Gm Result:	2	**SRC Result:**	
Gm Result Modifier:	<	**SRC Result Modifie:**	Y
Gm Chemical Units:	NG/L	**Src Chemical Units:**	NG/L
Gm Chemical Vvl:	PFNA	**SRC Report Limit:**	2
Gm Reporting Limit:	2	**SRC Analytic Meth:**	EPA 533
Gm Well Depth Ft:		**SRC Well Depth Ft:**	
Gm Chemical Name:	Perfluorononanoic acid (PFNA)		
Gm Samp Collection Date:	02/06/2025		
Gm Screen Top Depth Ft:	240		
Gm Screen Bottom Depth Ft:	456		
SRC Samp Collection Date:	02/06/2025		
SRC Samp Collection Time:	11:13:00		
SRC Screen Top Depth Ft:			
SRC Screen Bottom Depth Ft:			
SRC Lab Note:	E.S. BABCOCK & SONS		
SRC Analysis Date:	03/06/2025		
SRC Well Category:			

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
8	2 of2	SW	0.34 / 1,812.22	262.54 / -3	WELL 03 MADERA CA	PFAS SAMPLING

Global ID:	W0602010004	**Facility Type:**	
Location ID:	CA2010004_003_003	**Latitude:**	36.934317
Status:		**Longitude:**	-120.048068
Site Use:	Drinking Water Wells	**Field Pt Class:**	PUBW
Site Type:	DDW Well		
Public Water System Name:	MADERA CMD NO 19 PARKWOOD		

PFAS Chemicals

Sample ID: ***Lab Notes:***
Matrix: Liquid ***Reporting Limit:***
Chemical: PFOS ***Detection Limit:***
Analytical Method Cd: ***QRAA:*** 0
Qualifier: < ***Units:*** NG/L
Value: 2 ***Date:*** 2/6/2025
Chemical Name: Perfluorooctane sulfonic acid (PFOS)
Regional Board:
Treated Drinking Water Dt:
Treated Drinking Water Qualifi:
Treated Drinking Water Reporti:
Treatd Drinking Water Sample:
Treated Drinking Water Units:
Treated Drinking Water Value:

Sample ID: ***Lab Notes:***
Matrix: Liquid ***Reporting Limit:*** 2
Chemical: PFBS ***Detection Limit:***
Analytical Method Cd: EPA 533 ***QRAA:*** 2
Qualifier: < ***Units:*** NG/L
Value: 2 ***Date:*** 2/6/2025
Chemical Name: Perfluorobutanesulfonic acid
Regional Board:
Treated Drinking Water Dt:
Treated Drinking Water Qualifi:
Treated Drinking Water Reporti:
Treatd Drinking Water Sample:
Treated Drinking Water Units:
Treated Drinking Water Value:

Sample ID: ***Lab Notes:***
Matrix: Liquid ***Reporting Limit:*** 2
Chemical: PFMBA ***Detection Limit:***
Analytical Method Cd: EPA 533 ***QRAA:***
Qualifier: < ***Units:*** NG/L
Value: 2 ***Date:*** 2/6/2025
Chemical Name: Perfluoro-4-methoxybutanoic acid (PFMBA)
Regional Board:
Treated Drinking Water Dt:
Treated Drinking Water Qualifi:
Treated Drinking Water Reporti:
Treatd Drinking Water Sample:
Treated Drinking Water Units:
Treated Drinking Water Value:

Sample ID: ***Lab Notes:***
Matrix: Liquid ***Reporting Limit:*** 2
Chemical: PFDA ***Detection Limit:***
Analytical Method Cd: EPA 533 ***QRAA:***
Qualifier: < ***Units:*** NG/L
Value: 2 ***Date:*** 2/6/2025
Chemical Name: Perfluorodecanoic acid
Regional Board:
Treated Drinking Water Dt:
Treated Drinking Water Qualifi:
Treated Drinking Water Reporti:
Treatd Drinking Water Sample:
Treated Drinking Water Units:
Treated Drinking Water Value:

Sample ID: ***Lab Notes:***
Matrix: Liquid ***Reporting Limit:*** 5
Chemical: 6:2 FTS ***Detection Limit:***
Analytical Method Cd: EPA 533 ***QRAA:***
Qualifier: < ***Units:*** NG/L
Value: 5 ***Date:*** 2/6/2025
Chemical Name: 6:2 Fluorotelomer sulfonic acid (1H,1H,2H,2H-Perfluorooctanesulfonic acid)

Regional Board:
Treated Drinking Water Dt:
Treated Drinking Water Qualifi:
Treated Drinking Water Reporti:
Treatd Drinking Water Sample:
Treated Drinking Water Units:
Treated Drinking Water Value:

Sample ID: ***Lab Notes:***
Matrix: Liquid ***Reporting Limit:*** 2
Chemical: PFHpA ***Detection Limit:***
Analytical Method Cd: EPA 533 ***QRAA:***
Qualifier: < ***Units:*** NG/L
Value: 2 ***Date:*** 2/6/2025
Chemical Name: Perfluoroheptanoic acid
Regional Board:
Treated Drinking Water Dt:
Treated Drinking Water Qualifi:
Treated Drinking Water Reporti:
Treatd Drinking Water Sample:
Treated Drinking Water Units:
Treated Drinking Water Value:

Sample ID: ***Lab Notes:***
Matrix: Liquid ***Reporting Limit:*** 2
Chemical: PFBA ***Detection Limit:***
Analytical Method Cd: EPA 533 ***QRAA:***
Qualifier: < ***Units:*** NG/L
Value: 2 ***Date:*** 2/6/2025
Chemical Name: Perfluorobutanoic acid
Regional Board:
Treated Drinking Water Dt:
Treated Drinking Water Qualifi:
Treated Drinking Water Reporti:
Treatd Drinking Water Sample:
Treated Drinking Water Units:
Treated Drinking Water Value:

Sample ID: ***Lab Notes:***
Matrix: Liquid ***Reporting Limit:*** 2
Chemical: PFHxA ***Detection Limit:***
Analytical Method Cd: EPA 533 ***QRAA:***
Qualifier: < ***Units:*** NG/L
Value: 2 ***Date:*** 2/6/2025
Chemical Name: Perfluorohexanoic acid
Regional Board:
Treated Drinking Water Dt:
Treated Drinking Water Qualifi:
Treated Drinking Water Reporti:
Treatd Drinking Water Sample:
Treated Drinking Water Units:
Treated Drinking Water Value:

Sample ID: ***Lab Notes:***
Matrix: Liquid ***Reporting Limit:*** 2
Chemical: PFPeA ***Detection Limit:***
Analytical Method Cd: EPA 533 ***QRAA:***
Qualifier: < ***Units:*** NG/L
Value: 2 ***Date:*** 2/6/2025
Chemical Name: Perfluoropentanoic acid
Regional Board:
Treated Drinking Water Dt:
Treated Drinking Water Qualifi:
Treated Drinking Water Reporti:
Treatd Drinking Water Sample:
Treated Drinking Water Units:
Treated Drinking Water Value:

Sample ID: ***Lab Notes:***

Matrix:	Liquid	**Reporting Limit:**	5
Chemical:	8:2 FTS	**Detection Limit:**	
Analytical Method Cd:	EPA 533	**QRAA:**	
Qualifier:	<	**Units:**	NG/L
Value:	5	**Date:**	2/6/2025
Chemical Name:	8:2 Fluorotelomer sulfonic acid (1H, 1H, 2H, 2H-Perfluorodecanesulfonic acid)		
Regional Board:			
Treated Drinking Water Dt:			
Treated Drinking Water Qualifi:			
Treated Drinking Water Reporti:			
Treatd Drinking Water Sample:			
Treated Drinking Water Units:			
Treated Drinking Water Value:			

Sample ID:		**Lab Notes:**	
Matrix:	Liquid	**Reporting Limit:**	2
Chemical:	PFUnDA	**Detection Limit:**	
Analytical Method Cd:	EPA 533	**QRAA:**	
Qualifier:	<	**Units:**	NG/L
Value:	2	**Date:**	2/6/2025
Chemical Name:	Perfluoroundecanoic acid		
Regional Board:			
Treated Drinking Water Dt:			
Treated Drinking Water Qualifi:			
Treated Drinking Water Reporti:			
Treatd Drinking Water Sample:			
Treated Drinking Water Units:			
Treated Drinking Water Value:			

Sample ID:		**Lab Notes:**	
Matrix:	Liquid	**Reporting Limit:**	2
Chemical:	HFPO-DA	**Detection Limit:**	
Analytical Method Cd:	EPA 533	**QRAA:**	
Qualifier:	<	**Units:**	NG/L
Value:	2	**Date:**	2/6/2025
Chemical Name:	2,3,3,3-tetrafluoro-2-(1,1,2,2,3,3,3-heptafluoropropoxy) propanoic acid		
Regional Board:			
Treated Drinking Water Dt:			
Treated Drinking Water Qualifi:			
Treated Drinking Water Reporti:			
Treatd Drinking Water Sample:			
Treated Drinking Water Units:			
Treated Drinking Water Value:			

Sample ID:		**Lab Notes:**	
Matrix:	Liquid	**Reporting Limit:**	
Chemical:	PFOA	**Detection Limit:**	
Analytical Method Cd:		**QRAA:**	0.7
Qualifier:	=	**Units:**	NG/L
Value:	2.8	**Date:**	2/6/2025
Chemical Name:	Perfluorooctanoic acid		
Regional Board:			
Treated Drinking Water Dt:			
Treated Drinking Water Qualifi:			
Treated Drinking Water Reporti:			
Treatd Drinking Water Sample:			
Treated Drinking Water Units:			
Treated Drinking Water Value:			

Sample ID:		**Lab Notes:**	
Matrix:	Liquid	**Reporting Limit:**	2
Chemical:	PFEESA	**Detection Limit:**	
Analytical Method Cd:	EPA 533	**QRAA:**	
Qualifier:	<	**Units:**	NG/L
Value:	2	**Date:**	2/6/2025
Chemical Name:	Perfluoro(2-ethoxyethane) sulfonic acid (PFEESA)		
Regional Board:			
Treated Drinking Water Dt:			
Treated Drinking Water Qualifi:			

Treated Drinking Water Reporti:
Treatd Drinking Water Sample:
Treated Drinking Water Units:
Treated Drinking Water Value:

Sample ID: ***Lab Notes:***
Matrix: Liquid ***Reporting Limit:*** 2
Chemical: 9-Cl-PF3ONS ***Detection Limit:***
Analytical Method Cd: EPA 533 ***QRAA:***
Qualifier: < ***Units:*** NG/L
Value: 2 ***Date:*** 2/6/2025
Chemical Name: 9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid
Regional Board:
Treated Drinking Water Dt:
Treated Drinking Water Qualifi:
Treated Drinking Water Reporti:
Treatd Drinking Water Sample:
Treated Drinking Water Units:
Treated Drinking Water Value:

Sample ID: ***Lab Notes:***
Matrix: Liquid ***Reporting Limit:*** 2
Chemical: PFPeS ***Detection Limit:***
Analytical Method Cd: EPA 533 ***QRAA:***
Qualifier: < ***Units:*** NG/L
Value: 2 ***Date:*** 2/6/2025
Chemical Name: Perfluoropentane sulfonoic acid
Regional Board:
Treated Drinking Water Dt:
Treated Drinking Water Qualifi:
Treated Drinking Water Reporti:
Treatd Drinking Water Sample:
Treated Drinking Water Units:
Treated Drinking Water Value:

Sample ID: ***Lab Notes:***
Matrix: Liquid ***Reporting Limit:*** 2
Chemical: PFNA ***Detection Limit:***
Analytical Method Cd: EPA 533 ***QRAA:***
Qualifier: < ***Units:*** NG/L
Value: 2 ***Date:*** 2/6/2025
Chemical Name: Perfluorononanoic acid
Regional Board:
Treated Drinking Water Dt:
Treated Drinking Water Qualifi:
Treated Drinking Water Reporti:
Treatd Drinking Water Sample:
Treated Drinking Water Units:
Treated Drinking Water Value:

Sample ID: ***Lab Notes:***
Matrix: Liquid ***Reporting Limit:*** 2
Chemical: ADONA ***Detection Limit:***
Analytical Method Cd: EPA 533 ***QRAA:***
Qualifier: < ***Units:*** NG/L
Value: 2 ***Date:*** 2/6/2025
Chemical Name: 4,8-Dioxa-3H-perfluorononanoic acid
Regional Board:
Treated Drinking Water Dt:
Treated Drinking Water Qualifi:
Treated Drinking Water Reporti:
Treatd Drinking Water Sample:
Treated Drinking Water Units:
Treated Drinking Water Value:

Sample ID: ***Lab Notes:***
Matrix: Liquid ***Reporting Limit:*** 2
Chemical: NFDHA ***Detection Limit:***
Analytical Method Cd: EPA 533 ***QRAA:***

Qualifier: <
Value: 2
Units: NG/L
Date: 2/6/2025
Chemical Name: Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)
Regional Board:
Treated Drinking Water Dt:
Treated Drinking Water Qualifi:
Treated Drinking Water Reporti:
Treatd Drinking Water Sample:
Treated Drinking Water Units:
Treated Drinking Water Value:

Sample ID:
Matrix: Liquid
Chemical: PFHpS
Analytical Method Cd: EPA 533
Qualifier: <
Value: 2
Lab Notes:
Reporting Limit: 2
Detection Limit:
QRAA:
Units: NG/L
Date: 2/6/2025
Chemical Name: Perfluoroheptanesulfonic acid
Regional Board:
Treated Drinking Water Dt:
Treated Drinking Water Qualifi:
Treated Drinking Water Reporti:
Treatd Drinking Water Sample:
Treated Drinking Water Units:
Treated Drinking Water Value:

Sample ID:
Matrix: Liquid
Chemical: PFHxS
Analytical Method Cd:
Qualifier: <
Value: 2
Lab Notes:
Reporting Limit:
Detection Limit:
QRAA: 0
Units: NG/L
Date: 2/6/2025
Chemical Name: Perfluorohexanesulfonic acid
Regional Board:
Treated Drinking Water Dt:
Treated Drinking Water Qualifi:
Treated Drinking Water Reporti:
Treatd Drinking Water Sample:
Treated Drinking Water Units:
Treated Drinking Water Value:

Sample ID:
Matrix: Liquid
Chemical: 4:2 FTS
Analytical Method Cd: EPA 533
Qualifier: <
Value: 2
Lab Notes:
Reporting Limit: 2
Detection Limit:
QRAA:
Units: NG/L
Date: 2/6/2025
Chemical Name: 4:2 Fluorotelomer sulfonic acid (1H, 1H, 2H, 2H-Perfluorohexanesulfonic acid)
Regional Board:
Treated Drinking Water Dt:
Treated Drinking Water Qualifi:
Treated Drinking Water Reporti:
Treatd Drinking Water Sample:
Treated Drinking Water Units:
Treated Drinking Water Value:

Sample ID:
Matrix: Liquid
Chemical: 11-Cl-PF3OUdS
Analytical Method Cd: EPA 533
Qualifier: <
Value: 2
Lab Notes:
Reporting Limit: 2
Detection Limit:
QRAA:
Units: NG/L
Date: 2/6/2025
Chemical Name: 11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid
Regional Board:
Treated Drinking Water Dt:
Treated Drinking Water Qualifi:
Treated Drinking Water Reporti:
Treatd Drinking Water Sample:
Treated Drinking Water Units:

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
Treated Drinking Water Value:						
9	1 of3	NNE	0.37 / 1,928.70	267.99 / 2	CA	PFAS GW

Well ID: CA2010002_033_033
Gm Dataset Name: DDW
Gm Data Source: DDW
Gm Well Category: Municipal
SRS Datum:
Gm Altwell Id1: 2010002-033
Gm Altwell Id2:
Gm Altwell Id3:

SRS Latitude: 36.945242
SRS Longitude: -120.042307
Latitude: 36.945242
Longitude: -120.042307

Well Details

Gm Cas No:
Gm Result: 2
Gm Result Modifier: <
Gm Chemical Units: NG/L
Gm Chemical Vvl: 6:2FTS
Gm Reporting Limit: 2
Gm Well Depth Ft:
Gm Chemical Name: 6:2 Fluorotelomer sulfonic acid (1H,1H,2H,2H-Perfluorooctanesulfonic acid) (6:2 FTS)
Gm Samp Collection Date: 09/15/2023
Gm Screen Top Depth Ft: 433
Gm Screen Bottom Depth Ft: 568
SRC Samp Collection Date: 09/15/2023
SRC Samp Collection Time: 11:43:00
SRC Screen Top Depth Ft:
SRC Screen Bottom Depth Ft:
SRC Lab Note: BSK ANALYTICAL LABORATORIES
SRC Analysis Date: 09/30/2023
SRC Well Category:

SRC Chemical: 2820
SRC Result:
SRC Result Modifie: Y
Src Chemical Units: NG/L
SRC Report Limit: 2
SRC Analytic Meth: EPA 533
SRC Well Depth Ft:

Gm Cas No:
Gm Result: 2
Gm Result Modifier: <
Gm Chemical Units: NG/L
Gm Chemical Vvl: PFPA
Gm Reporting Limit: 2
Gm Well Depth Ft:
Gm Chemical Name: Perfluoropentanoic acid (PFPeA)
Gm Samp Collection Date: 06/30/2023
Gm Screen Top Depth Ft: 433
Gm Screen Bottom Depth Ft: 568
SRC Samp Collection Date: 06/30/2023
SRC Samp Collection Time: 11:26:00
SRC Screen Top Depth Ft:
SRC Screen Bottom Depth Ft:
SRC Lab Note: BSK ANALYTICAL LABORATORIES
SRC Analysis Date: 07/13/2023
SRC Well Category:

SRC Chemical: 2824
SRC Result:
SRC Result Modifie: Y
Src Chemical Units: NG/L
SRC Report Limit: 2
SRC Analytic Meth: EPA 533
SRC Well Depth Ft:

Gm Cas No:
Gm Result: 1.9
Gm Result Modifier: <
Gm Chemical Units: NG/L
Gm Chemical Vvl: 11ClPF3OUDS
Gm Reporting Limit: 1.9
Gm Well Depth Ft:
Gm Chemical Name: 11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11-Cl-PF3OUdS)
Gm Samp Collection Date: 03/06/2023
Gm Screen Top Depth Ft: 433
Gm Screen Bottom Depth Ft: 568
SRC Samp Collection Date: 03/06/2023

SRC Chemical: 2813
SRC Result:
SRC Result Modifie: Y
Src Chemical Units: NG/L
SRC Report Limit: 1.9
SRC Analytic Meth: EPA 533
SRC Well Depth Ft:

SRC Samp Collection Time:	10:34:00		
SRC Screen Top Depth Ft:			
SRC Screen Bottom Depth Ft:			
SRC Lab Note:	TESTAMERICA - WEST SAC (STL SACRAMENTO)		
SRC Analysis Date:	03/24/2023		
SRC Well Category:			

Gm Cas No:		**SRC Chemical:**	2801
Gm Result:	1.9	**SRC Result:**	
Gm Result Modifier:	<	**SRC Result Modifie:**	Y
Gm Chemical Units:	NG/L	**Src Chemical Units:**	NG/L
Gm Chemical Vvl:	PFBSA	**SRC Report Limit:**	1.9
Gm Reporting Limit:	1.9	**SRC Analytic Meth:**	EPA 533
Gm Well Depth Ft:		**SRC Well Depth Ft:**	
Gm Chemical Name:	Perfluorobutane sulfonic acid (PFBS)		
Gm Samp Collection Date:	03/06/2023		
Gm Screen Top Depth Ft:	433		
Gm Screen Bottom Depth Ft:	568		
SRC Samp Collection Date:	03/06/2023		
SRC Samp Collection Time:	10:34:00		
SRC Screen Top Depth Ft:			
SRC Screen Bottom Depth Ft:			
SRC Lab Note:	TESTAMERICA - WEST SAC (STL SACRAMENTO)		
SRC Analysis Date:	03/24/2023		
SRC Well Category:			

Gm Cas No:		**SRC Chemical:**	2815
Gm Result:	2	**SRC Result:**	
Gm Result Modifier:	<	**SRC Result Modifie:**	Y
Gm Chemical Units:	NG/L	**Src Chemical Units:**	NG/L
Gm Chemical Vvl:	ADONA	**SRC Report Limit:**	2
Gm Reporting Limit:	2	**SRC Analytic Meth:**	EPA 533
Gm Well Depth Ft:		**SRC Well Depth Ft:**	
Gm Chemical Name:	4,8-Dioxa-3H-perfluorononanoic acid (ADONA)		
Gm Samp Collection Date:	06/30/2023		
Gm Screen Top Depth Ft:	433		
Gm Screen Bottom Depth Ft:	568		
SRC Samp Collection Date:	06/30/2023		
SRC Samp Collection Time:	11:26:00		
SRC Screen Top Depth Ft:			
SRC Screen Bottom Depth Ft:			
SRC Lab Note:	BSK ANALYTICAL LABORATORIES		
SRC Analysis Date:	07/13/2023		
SRC Well Category:			

Gm Cas No:		**SRC Chemical:**	2807
Gm Result:	2	**SRC Result:**	
Gm Result Modifier:	<	**SRC Result Modifie:**	Y
Gm Chemical Units:	NG/L	**Src Chemical Units:**	NG/L
Gm Chemical Vvl:	PFNDCA	**SRC Report Limit:**	2
Gm Reporting Limit:	2	**SRC Analytic Meth:**	EPA 533
Gm Well Depth Ft:		**SRC Well Depth Ft:**	
Gm Chemical Name:	Perfluorodecanoic acid (PFDA)		
Gm Samp Collection Date:	06/30/2023		
Gm Screen Top Depth Ft:	433		
Gm Screen Bottom Depth Ft:	568		
SRC Samp Collection Date:	06/30/2023		
SRC Samp Collection Time:	11:26:00		
SRC Screen Top Depth Ft:			
SRC Screen Bottom Depth Ft:			
SRC Lab Note:	BSK ANALYTICAL LABORATORIES		
SRC Analysis Date:	07/13/2023		
SRC Well Category:			

Gm Cas No:		**SRC Chemical:**	2802
Gm Result:	3.8	**SRC Result:**	
Gm Result Modifier:	<	**SRC Result Modifie:**	Y
Gm Chemical Units:	NG/L	**Src Chemical Units:**	NG/L
Gm Chemical Vvl:	PFHPA	**SRC Report Limit:**	3.8

Gm Reporting Limit:	3.8	**SRC Analytic Meth:**	EPA 533
Gm Well Depth Ft:		**SRC Well Depth Ft:**	
Gm Chemical Name:	Perfluoroheptanoic acid (PFHpA)		
Gm Samp Collection Date:	03/06/2023		
Gm Screen Top Depth Ft:	433		
Gm Screen Bottom Depth Ft:	568		
SRC Samp Collection Date:	03/06/2023		
SRC Samp Collection Time:	10:34:00		
SRC Screen Top Depth Ft:			
SRC Screen Bottom Depth Ft:			
SRC Lab Note:	TESTAMERICA - WEST SAC (STL SACRAMENTO)		
SRC Analysis Date:	03/24/2023		
SRC Well Category:			

Gm Cas No:		**SRC Chemical:**	2820
Gm Result:	2	**SRC Result:**	
Gm Result Modifier:	<	**SRC Result Modifie:**	Y
Gm Chemical Units:	NG/L	**Src Chemical Units:**	NG/L
Gm Chemical Vvl:	6:2FTS	**SRC Report Limit:**	2
Gm Reporting Limit:	2	**SRC Analytic Meth:**	EPA 533
Gm Well Depth Ft:		**SRC Well Depth Ft:**	
Gm Chemical Name:	6:2 Fluorotelomer sulfonic acid (1H,1H,2H,2H-Perfluorooctanesulfonic acid) (6:2 FTS)		
Gm Samp Collection Date:	12/04/2023		
Gm Screen Top Depth Ft:	433		
Gm Screen Bottom Depth Ft:	568		
SRC Samp Collection Date:	12/04/2023		
SRC Samp Collection Time:	11:14:00		
SRC Screen Top Depth Ft:			
SRC Screen Bottom Depth Ft:			
SRC Lab Note:	BSK ANALYTICAL LABORATORIES		
SRC Analysis Date:	12/09/2023		
SRC Well Category:			

Gm Cas No:		**SRC Chemical:**	2802
Gm Result:	2	**SRC Result:**	
Gm Result Modifier:	<	**SRC Result Modifie:**	Y
Gm Chemical Units:	NG/L	**Src Chemical Units:**	NG/L
Gm Chemical Vvl:	PFHPA	**SRC Report Limit:**	2
Gm Reporting Limit:	2	**SRC Analytic Meth:**	EPA 533
Gm Well Depth Ft:		**SRC Well Depth Ft:**	
Gm Chemical Name:	Perfluoroheptanoic acid (PFHpA)		
Gm Samp Collection Date:	12/04/2023		
Gm Screen Top Depth Ft:	433		
Gm Screen Bottom Depth Ft:	568		
SRC Samp Collection Date:	12/04/2023		
SRC Samp Collection Time:	11:14:00		
SRC Screen Top Depth Ft:			
SRC Screen Bottom Depth Ft:			
SRC Lab Note:	BSK ANALYTICAL LABORATORIES		
SRC Analysis Date:	12/09/2023		
SRC Well Category:			

Gm Cas No:		**SRC Chemical:**	2826
Gm Result:	2	**SRC Result:**	
Gm Result Modifier:	<	**SRC Result Modifie:**	Y
Gm Chemical Units:	NG/L	**Src Chemical Units:**	NG/L
Gm Chemical Vvl:	PFEESA	**SRC Report Limit:**	2
Gm Reporting Limit:	2	**SRC Analytic Meth:**	EPA 533
Gm Well Depth Ft:		**SRC Well Depth Ft:**	
Gm Chemical Name:	Perfluoro(2-ethoxyethane) sulfonic acid (PFEESA)		
Gm Samp Collection Date:	12/04/2023		
Gm Screen Top Depth Ft:	433		
Gm Screen Bottom Depth Ft:	568		
SRC Samp Collection Date:	12/04/2023		
SRC Samp Collection Time:	11:14:00		
SRC Screen Top Depth Ft:			
SRC Screen Bottom Depth Ft:			
SRC Lab Note:	BSK ANALYTICAL LABORATORIES		
SRC Analysis Date:	12/09/2023		

SRC Well Category:

Gm Cas No: | **SRC Chemical:** 2801
Gm Result: 2 | **SRC Result:**
Gm Result Modifier: < | **SRC Result Modifie:** Y
Gm Chemical Units: NG/L | **Src Chemical Units:** NG/L
Gm Chemical Vvl: PFBSA | **SRC Report Limit:** 2
Gm Reporting Limit: 2 | **SRC Analytic Meth:** EPA 533
Gm Well Depth Ft: | **SRC Well Depth Ft:**
Gm Chemical Name: Perfluorobutane sulfonic acid (PFBS)
Gm Samp Collection Date: 09/15/2023
Gm Screen Top Depth Ft: 433
Gm Screen Bottom Depth Ft: 568
SRC Samp Collection Date: 09/15/2023
SRC Samp Collection Time: 11:43:00
SRC Screen Top Depth Ft:
SRC Screen Bottom Depth Ft:
SRC Lab Note: BSK ANALYTICAL LABORATORIES
SRC Analysis Date: 09/30/2023
SRC Well Category:

Gm Cas No: | **SRC Chemical:** 2829
Gm Result: 2 | **SRC Result:**
Gm Result Modifier: < | **SRC Result Modifie:** Y
Gm Chemical Units: NG/L | **Src Chemical Units:** NG/L
Gm Chemical Vvl: PFHPSA | **SRC Report Limit:** 2
Gm Reporting Limit: 2 | **SRC Analytic Meth:** EPA 533
Gm Well Depth Ft: | **SRC Well Depth Ft:**
Gm Chemical Name: Perfluoroheptane sulfonic acid (PFHpS)
Gm Samp Collection Date: 12/04/2023
Gm Screen Top Depth Ft: 433
Gm Screen Bottom Depth Ft: 568
SRC Samp Collection Date: 12/04/2023
SRC Samp Collection Time: 11:14:00
SRC Screen Top Depth Ft:
SRC Screen Bottom Depth Ft:
SRC Lab Note: BSK ANALYTICAL LABORATORIES
SRC Analysis Date: 12/09/2023
SRC Well Category:

Gm Cas No: | **SRC Chemical:** 2809
Gm Result: 2 | **SRC Result:**
Gm Result Modifier: < | **SRC Result Modifie:** Y
Gm Chemical Units: NG/L | **Src Chemical Units:** NG/L
Gm Chemical Vvl: PFHA | **SRC Report Limit:** 2
Gm Reporting Limit: 2 | **SRC Analytic Meth:** EPA 533
Gm Well Depth Ft: | **SRC Well Depth Ft:**
Gm Chemical Name: Perfluorohexanoic acid (PFHxA)
Gm Samp Collection Date: 12/04/2023
Gm Screen Top Depth Ft: 433
Gm Screen Bottom Depth Ft: 568
SRC Samp Collection Date: 12/04/2023
SRC Samp Collection Time: 11:14:00
SRC Screen Top Depth Ft:
SRC Screen Bottom Depth Ft:
SRC Lab Note: BSK ANALYTICAL LABORATORIES
SRC Analysis Date: 12/09/2023
SRC Well Category:

Gm Cas No: | **SRC Chemical:** 2803
Gm Result: 1.9 | **SRC Result:**
Gm Result Modifier: < | **SRC Result Modifie:** Y
Gm Chemical Units: NG/L | **Src Chemical Units:** NG/L
Gm Chemical Vvl: PFHXSA | **SRC Report Limit:** 1.9
Gm Reporting Limit: 1.9 | **SRC Analytic Meth:** EPA 533
Gm Well Depth Ft: | **SRC Well Depth Ft:**
Gm Chemical Name: Perfluorohexanesulfonic acid (PFHxS)
Gm Samp Collection Date: 03/06/2023
Gm Screen Top Depth Ft: 433

Gm Screen Bottom Depth Ft:	568		
SRC Samp Collection Date:	03/06/2023		
SRC Samp Collection Time:	10:34:00		
SRC Screen Top Depth Ft:			
SRC Screen Bottom Depth Ft:			
SRC Lab Note:	TESTAMERICA - WEST SAC (STL SACRAMENTO)		
SRC Analysis Date:	03/24/2023		
SRC Well Category:			

Gm Cas No:		**SRC Chemical:**	2809
Gm Result:	1.9	**SRC Result:**	
Gm Result Modifier:	<	**SRC Result Modifie:**	Y
Gm Chemical Units:	NG/L	**Src Chemical Units:**	NG/L
Gm Chemical Vvl:	PFHA	**SRC Report Limit:**	1.9
Gm Reporting Limit:	1.9	**SRC Analytic Meth:**	EPA 533
Gm Well Depth Ft:		**SRC Well Depth Ft:**	
Gm Chemical Name:	Perfluorohexanoic acid (PFHxA)		
Gm Samp Collection Date:	03/06/2023		
Gm Screen Top Depth Ft:	433		
Gm Screen Bottom Depth Ft:	568		
SRC Samp Collection Date:	03/06/2023		
SRC Samp Collection Time:	10:34:00		
SRC Screen Top Depth Ft:			
SRC Screen Bottom Depth Ft:			
SRC Lab Note:	TESTAMERICA - WEST SAC (STL SACRAMENTO)		
SRC Analysis Date:	03/24/2023		
SRC Well Category:			

Gm Cas No:		**SRC Chemical:**	2824
Gm Result:	2	**SRC Result:**	
Gm Result Modifier:	<	**SRC Result Modifie:**	Y
Gm Chemical Units:	NG/L	**Src Chemical Units:**	NG/L
Gm Chemical Vvl:	PFPA	**SRC Report Limit:**	2
Gm Reporting Limit:	2	**SRC Analytic Meth:**	EPA 533
Gm Well Depth Ft:		**SRC Well Depth Ft:**	
Gm Chemical Name:	Perfluoropentanoic acid (PFPeA)		
Gm Samp Collection Date:	12/04/2023		
Gm Screen Top Depth Ft:	433		
Gm Screen Bottom Depth Ft:	568		
SRC Samp Collection Date:	12/04/2023		
SRC Samp Collection Time:	11:14:00		
SRC Screen Top Depth Ft:			
SRC Screen Bottom Depth Ft:			
SRC Lab Note:	BSK ANALYTICAL LABORATORIES		
SRC Analysis Date:	12/09/2023		
SRC Well Category:			

Gm Cas No:		**SRC Chemical:**	2808
Gm Result:	1.9	**SRC Result:**	
Gm Result Modifier:	<	**SRC Result Modifie:**	Y
Gm Chemical Units:	NG/L	**Src Chemical Units:**	NG/L
Gm Chemical Vvl:	PFDOA	**SRC Report Limit:**	1.9
Gm Reporting Limit:	1.9	**SRC Analytic Meth:**	EPA 533
Gm Well Depth Ft:		**SRC Well Depth Ft:**	
Gm Chemical Name:	Perfluorododecanoic acid (PFDoDA)		
Gm Samp Collection Date:	03/06/2023		
Gm Screen Top Depth Ft:	433		
Gm Screen Bottom Depth Ft:	568		
SRC Samp Collection Date:	03/06/2023		
SRC Samp Collection Time:	10:34:00		
SRC Screen Top Depth Ft:			
SRC Screen Bottom Depth Ft:			
SRC Lab Note:	TESTAMERICA - WEST SAC (STL SACRAMENTO)		
SRC Analysis Date:	03/24/2023		
SRC Well Category:			

Gm Cas No:		**SRC Chemical:**	2825
Gm Result:	2	**SRC Result:**	
Gm Result Modifier:	<	**SRC Result Modifie:**	Y

Gm Chemical Units:	NG/L	**Src Chemical Units:**	NG/L
Gm Chemical Vvl:	PFMBA	**SRC Report Limit:**	2
Gm Reporting Limit:	2	**SRC Analytic Meth:**	EPA 533
Gm Well Depth Ft:		**SRC Well Depth Ft:**	
Gm Chemical Name:	Perfluoro-4-methoxybutanoic acid (PFMBA)		
Gm Samp Collection Date:	09/15/2023		
Gm Screen Top Depth Ft:	433		
Gm Screen Bottom Depth Ft:	568		
SRC Samp Collection Date:	09/15/2023		
SRC Samp Collection Time:	11:43:00		
SRC Screen Top Depth Ft:			
SRC Screen Bottom Depth Ft:			
SRC Lab Note:	BSK ANALYTICAL LABORATORIES		
SRC Analysis Date:	09/30/2023		
SRC Well Category:			

Gm Cas No:		**SRC Chemical:**	2816
Gm Result:	2	**SRC Result:**	
Gm Result Modifier:	<	**SRC Result Modifie:**	Y
Gm Chemical Units:	NG/L	**Src Chemical Units:**	NG/L
Gm Chemical Vvl:	HFPA-DA	**SRC Report Limit:**	2
Gm Reporting Limit:	2	**SRC Analytic Meth:**	EPA 533
Gm Well Depth Ft:		**SRC Well Depth Ft:**	
Gm Chemical Name:	2,3,3,3-tetrafluoro-2-(1,1,2,2,3,3,3-heptafluoropropoxy) propanoic acid (HFPO-DA)		
Gm Samp Collection Date:	06/30/2023		
Gm Screen Top Depth Ft:	433		
Gm Screen Bottom Depth Ft:	568		
SRC Samp Collection Date:	06/30/2023		
SRC Samp Collection Time:	11:26:00		
SRC Screen Top Depth Ft:			
SRC Screen Bottom Depth Ft:			
SRC Lab Note:	BSK ANALYTICAL LABORATORIES		
SRC Analysis Date:	07/13/2023		
SRC Well Category:			

Gm Cas No:		**SRC Chemical:**	2821
Gm Result:	1.9	**SRC Result:**	
Gm Result Modifier:	<	**SRC Result Modifie:**	Y
Gm Chemical Units:	NG/L	**Src Chemical Units:**	NG/L
Gm Chemical Vvl:	4:2FTS	**SRC Report Limit:**	1.9
Gm Reporting Limit:	1.9	**SRC Analytic Meth:**	EPA 533
Gm Well Depth Ft:		**SRC Well Depth Ft:**	
Gm Chemical Name:	4:2 Fluorotelomer sulfonic acid (1H, 1H, 2H, 2H-Perfluorohexanesulfonic acid) (4:2 FTS)		
Gm Samp Collection Date:	03/06/2023		
Gm Screen Top Depth Ft:	433		
Gm Screen Bottom Depth Ft:	568		
SRC Samp Collection Date:	03/06/2023		
SRC Samp Collection Time:	10:34:00		
SRC Screen Top Depth Ft:			
SRC Screen Bottom Depth Ft:			
SRC Lab Note:	TESTAMERICA - WEST SAC (STL SACRAMENTO)		
SRC Analysis Date:	03/24/2023		
SRC Well Category:			

Gm Cas No:		**SRC Chemical:**	2807
Gm Result:	2	**SRC Result:**	
Gm Result Modifier:	<	**SRC Result Modifie:**	Y
Gm Chemical Units:	NG/L	**Src Chemical Units:**	NG/L
Gm Chemical Vvl:	PFNDCA	**SRC Report Limit:**	2
Gm Reporting Limit:	2	**SRC Analytic Meth:**	EPA 533
Gm Well Depth Ft:		**SRC Well Depth Ft:**	
Gm Chemical Name:	Perfluorodecanoic acid (PFDA)		
Gm Samp Collection Date:	09/15/2023		
Gm Screen Top Depth Ft:	433		
Gm Screen Bottom Depth Ft:	568		
SRC Samp Collection Date:	09/15/2023		
SRC Samp Collection Time:	11:43:00		
SRC Screen Top Depth Ft:			
SRC Screen Bottom Depth Ft:			

SRC Lab Note:	BSK ANALYTICAL LABORATORIES		
SRC Analysis Date:	09/30/2023		
SRC Well Category:			
Gm Cas No:		**SRC Chemical:**	2802
Gm Result:	2	**SRC Result:**	
Gm Result Modifier:	<	**SRC Result Modifie:**	Y
Gm Chemical Units:	NG/L	**Src Chemical Units:**	NG/L
Gm Chemical Vvl:	PFHPA	**SRC Report Limit:**	2
Gm Reporting Limit:	2	**SRC Analytic Meth:**	EPA 533
Gm Well Depth Ft:		**SRC Well Depth Ft:**	
Gm Chemical Name:	Perfluoroheptanoic acid (PFHpA)		
Gm Samp Collection Date:	06/30/2023		
Gm Screen Top Depth Ft:	433		
Gm Screen Bottom Depth Ft:	568		
SRC Samp Collection Date:	06/30/2023		
SRC Samp Collection Time:	11:26:00		
SRC Screen Top Depth Ft:			
SRC Screen Bottom Depth Ft:			
SRC Lab Note:	BSK ANALYTICAL LABORATORIES		
SRC Analysis Date:	07/13/2023		
SRC Well Category:			
Gm Cas No:		**SRC Chemical:**	2828
Gm Result:	2	**SRC Result:**	
Gm Result Modifier:	<	**SRC Result Modifie:**	Y
Gm Chemical Units:	NG/L	**Src Chemical Units:**	NG/L
Gm Chemical Vvl:	PFPES	**SRC Report Limit:**	2
Gm Reporting Limit:	2	**SRC Analytic Meth:**	EPA 533
Gm Well Depth Ft:		**SRC Well Depth Ft:**	
Gm Chemical Name:	Perfluoropentane sulfonoic acid (PFPeS)		
Gm Samp Collection Date:	12/04/2023		
Gm Screen Top Depth Ft:	433		
Gm Screen Bottom Depth Ft:	568		
SRC Samp Collection Date:	12/04/2023		
SRC Samp Collection Time:	11:14:00		
SRC Screen Top Depth Ft:			
SRC Screen Bottom Depth Ft:			
SRC Lab Note:	BSK ANALYTICAL LABORATORIES		
SRC Analysis Date:	12/09/2023		
SRC Well Category:			
Gm Cas No:		**SRC Chemical:**	2816
Gm Result:	2	**SRC Result:**	
Gm Result Modifier:	<	**SRC Result Modifie:**	Y
Gm Chemical Units:	NG/L	**Src Chemical Units:**	NG/L
Gm Chemical Vvl:	HFPA-DA	**SRC Report Limit:**	2
Gm Reporting Limit:	2	**SRC Analytic Meth:**	EPA 533
Gm Well Depth Ft:		**SRC Well Depth Ft:**	
Gm Chemical Name:	2,3,3,3-tetrafluoro-2-(1,1,2,2,3,3,3-heptafluoropropoxy) propanoic acid (HFPO-DA)		
Gm Samp Collection Date:	09/15/2023		
Gm Screen Top Depth Ft:	433		
Gm Screen Bottom Depth Ft:	568		
SRC Samp Collection Date:	09/15/2023		
SRC Samp Collection Time:	11:43:00		
SRC Screen Top Depth Ft:			
SRC Screen Bottom Depth Ft:			
SRC Lab Note:	BSK ANALYTICAL LABORATORIES		
SRC Analysis Date:	09/30/2023		
SRC Well Category:			
Gm Cas No:		**SRC Chemical:**	2808
Gm Result:	2	**SRC Result:**	
Gm Result Modifier:	<	**SRC Result Modifie:**	Y
Gm Chemical Units:	NG/L	**Src Chemical Units:**	NG/L
Gm Chemical Vvl:	PFDOA	**SRC Report Limit:**	2
Gm Reporting Limit:	2	**SRC Analytic Meth:**	EPA 533
Gm Well Depth Ft:		**SRC Well Depth Ft:**	
Gm Chemical Name:	Perfluorododecanoic acid (PFDoDA)		

Gm Samp Collection Date: 12/04/2023
Gm Screen Top Depth Ft: 433
Gm Screen Bottom Depth Ft: 568
SRC Samp Collection Date: 12/04/2023
SRC Samp Collection Time: 11:14:00
SRC Screen Top Depth Ft:
SRC Screen Bottom Depth Ft:
SRC Lab Note: BSK ANALYTICAL LABORATORIES
SRC Analysis Date: 12/09/2023
SRC Well Category:

Gm Cas No:
Gm Result: 2
Gm Result Modifier: <
Gm Chemical Units: NG/L
Gm Chemical Vvl: PFHA
Gm Reporting Limit: 2
Gm Well Depth Ft:
SRC Chemical: 2809
SRC Result:
SRC Result Modifie: Y
Src Chemical Units: NG/L
SRC Report Limit: 2
SRC Analytic Meth: EPA 533
SRC Well Depth Ft:
Gm Chemical Name: Perfluorohexanoic acid (PFHxA)
Gm Samp Collection Date: 06/30/2023
Gm Screen Top Depth Ft: 433
Gm Screen Bottom Depth Ft: 568
SRC Samp Collection Date: 06/30/2023
SRC Samp Collection Time: 11:26:00
SRC Screen Top Depth Ft:
SRC Screen Bottom Depth Ft:
SRC Lab Note: BSK ANALYTICAL LABORATORIES
SRC Analysis Date: 07/13/2023
SRC Well Category:

Gm Cas No:
Gm Result: 1.9
Gm Result Modifier: <
Gm Chemical Units: NG/L
Gm Chemical Vvl: PFMPA
Gm Reporting Limit: 1.9
Gm Well Depth Ft:
SRC Chemical: 2823
SRC Result:
SRC Result Modifie: Y
Src Chemical Units: NG/L
SRC Report Limit: 1.9
SRC Analytic Meth: EPA 533
SRC Well Depth Ft:
Gm Chemical Name: Perfluoro-3-methoxypropanoic acid (PFMPA)
Gm Samp Collection Date: 03/06/2023
Gm Screen Top Depth Ft: 433
Gm Screen Bottom Depth Ft: 568
SRC Samp Collection Date: 03/06/2023
SRC Samp Collection Time: 10:34:00
SRC Screen Top Depth Ft:
SRC Screen Bottom Depth Ft:
SRC Lab Note: TESTAMERICA - WEST SAC (STL SACRAMENTO)
SRC Analysis Date: 03/24/2023
SRC Well Category:

Gm Cas No:
Gm Result: 2
Gm Result Modifier: <
Gm Chemical Units: NG/L
Gm Chemical Vvl: PFHA
Gm Reporting Limit: 2
Gm Well Depth Ft:
SRC Chemical: 2809
SRC Result:
SRC Result Modifie: Y
Src Chemical Units: NG/L
SRC Report Limit: 2
SRC Analytic Meth: EPA 533
SRC Well Depth Ft:
Gm Chemical Name: Perfluorohexanoic acid (PFHxA)
Gm Samp Collection Date: 09/15/2023
Gm Screen Top Depth Ft: 433
Gm Screen Bottom Depth Ft: 568
SRC Samp Collection Date: 09/15/2023
SRC Samp Collection Time: 11:43:00
SRC Screen Top Depth Ft:
SRC Screen Bottom Depth Ft:
SRC Lab Note: BSK ANALYTICAL LABORATORIES
SRC Analysis Date: 09/30/2023
SRC Well Category:

Gm Cas No:
SRC Chemical: 2812

Gm Result:	2	**SRC Result:**	
Gm Result Modifier:	<	**SRC Result Modifie:**	Y
Gm Chemical Units:	NG/L	**Src Chemical Units:**	NG/L
Gm Chemical Vvl:	PFUNDCA	**SRC Report Limit:**	2
Gm Reporting Limit:	2	**SRC Analytic Meth:**	EPA 533
Gm Well Depth Ft:		**SRC Well Depth Ft:**	
Gm Chemical Name:	Perfluoroundecanoic acid (PFUnDA)		
Gm Samp Collection Date:	09/15/2023		
Gm Screen Top Depth Ft:	433		
Gm Screen Bottom Depth Ft:	568		
SRC Samp Collection Date:	09/15/2023		
SRC Samp Collection Time:	11:43:00		
SRC Screen Top Depth Ft:			
SRC Screen Bottom Depth Ft:			
SRC Lab Note:	BSK ANALYTICAL LABORATORIES		
SRC Analysis Date:	09/30/2023		
SRC Well Category:			

Gm Cas No:		**SRC Chemical:**	2823
Gm Result:	2	**SRC Result:**	
Gm Result Modifier:	<	**SRC Result Modifie:**	Y
Gm Chemical Units:	NG/L	**Src Chemical Units:**	NG/L
Gm Chemical Vvl:	PFMPA	**SRC Report Limit:**	2
Gm Reporting Limit:	2	**SRC Analytic Meth:**	EPA 533
Gm Well Depth Ft:		**SRC Well Depth Ft:**	
Gm Chemical Name:	Perfluoro-3-methoxypropanoic acid (PFMPA)		
Gm Samp Collection Date:	12/04/2023		
Gm Screen Top Depth Ft:	433		
Gm Screen Bottom Depth Ft:	568		
SRC Samp Collection Date:	12/04/2023		
SRC Samp Collection Time:	11:14:00		
SRC Screen Top Depth Ft:			
SRC Screen Bottom Depth Ft:			
SRC Lab Note:	BSK ANALYTICAL LABORATORIES		
SRC Analysis Date:	12/09/2023		
SRC Well Category:			

Gm Cas No:		**SRC Chemical:**	2825
Gm Result:	2	**SRC Result:**	
Gm Result Modifier:	<	**SRC Result Modifie:**	Y
Gm Chemical Units:	NG/L	**Src Chemical Units:**	NG/L
Gm Chemical Vvl:	PFMBA	**SRC Report Limit:**	2
Gm Reporting Limit:	2	**SRC Analytic Meth:**	EPA 533
Gm Well Depth Ft:		**SRC Well Depth Ft:**	
Gm Chemical Name:	Perfluoro-4-methoxybutanoic acid (PFMBA)		
Gm Samp Collection Date:	12/04/2023		
Gm Screen Top Depth Ft:	433		
Gm Screen Bottom Depth Ft:	568		
SRC Samp Collection Date:	12/04/2023		
SRC Samp Collection Time:	11:14:00		
SRC Screen Top Depth Ft:			
SRC Screen Bottom Depth Ft:			
SRC Lab Note:	BSK ANALYTICAL LABORATORIES		
SRC Analysis Date:	12/09/2023		
SRC Well Category:			

Gm Cas No:		**SRC Chemical:**	2812
Gm Result:	2	**SRC Result:**	
Gm Result Modifier:	<	**SRC Result Modifie:**	Y
Gm Chemical Units:	NG/L	**Src Chemical Units:**	NG/L
Gm Chemical Vvl:	PFUNDCA	**SRC Report Limit:**	2
Gm Reporting Limit:	2	**SRC Analytic Meth:**	EPA 533
Gm Well Depth Ft:		**SRC Well Depth Ft:**	
Gm Chemical Name:	Perfluoroundecanoic acid (PFUnDA)		
Gm Samp Collection Date:	06/30/2023		
Gm Screen Top Depth Ft:	433		
Gm Screen Bottom Depth Ft:	568		
SRC Samp Collection Date:	06/30/2023		
SRC Samp Collection Time:	11:26:00		

SRC Screen Top Depth Ft:			
SRC Screen Bottom Depth Ft:			
SRC Lab Note:	BSK ANALYTICAL LABORATORIES		
SRC Analysis Date:	07/13/2023		
SRC Well Category:			
Gm Cas No:		**SRC Chemical:**	2825
Gm Result:	1.9	**SRC Result:**	
Gm Result Modifier:	<	**SRC Result Modifie:**	Y
Gm Chemical Units:	NG/L	**Src Chemical Units:**	NG/L
Gm Chemical Vvl:	PFMBA	**SRC Report Limit:**	1.9
Gm Reporting Limit:	1.9	**SRC Analytic Meth:**	EPA 533
Gm Well Depth Ft:		**SRC Well Depth Ft:**	
Gm Chemical Name:	Perfluoro-4-methoxybutanoic acid (PFMBA)		
Gm Samp Collection Date:	03/06/2023		
Gm Screen Top Depth Ft:	433		
Gm Screen Bottom Depth Ft:	568		
SRC Samp Collection Date:	03/06/2023		
SRC Samp Collection Time:	10:34:00		
SRC Screen Top Depth Ft:			
SRC Screen Bottom Depth Ft:			
SRC Lab Note:	TESTAMERICA - WEST SAC (STL SACRAMENTO)		
SRC Analysis Date:	03/24/2023		
SRC Well Category:			
Gm Cas No:		**SRC Chemical:**	2812
Gm Result:	2	**SRC Result:**	
Gm Result Modifier:	<	**SRC Result Modifie:**	Y
Gm Chemical Units:	NG/L	**Src Chemical Units:**	NG/L
Gm Chemical Vvl:	PFUNDCA	**SRC Report Limit:**	2
Gm Reporting Limit:	2	**SRC Analytic Meth:**	EPA 533
Gm Well Depth Ft:		**SRC Well Depth Ft:**	
Gm Chemical Name:	Perfluoroundecanoic acid (PFUnDA)		
Gm Samp Collection Date:	12/04/2023		
Gm Screen Top Depth Ft:	433		
Gm Screen Bottom Depth Ft:	568		
SRC Samp Collection Date:	12/04/2023		
SRC Samp Collection Time:	11:14:00		
SRC Screen Top Depth Ft:			
SRC Screen Bottom Depth Ft:			
SRC Lab Note:	BSK ANALYTICAL LABORATORIES		
SRC Analysis Date:	12/09/2023		
SRC Well Category:			
Gm Cas No:		**SRC Chemical:**	2829
Gm Result:	1.9	**SRC Result:**	
Gm Result Modifier:	<	**SRC Result Modifie:**	Y
Gm Chemical Units:	NG/L	**Src Chemical Units:**	NG/L
Gm Chemical Vvl:	PFHPSA	**SRC Report Limit:**	1.9
Gm Reporting Limit:	1.9	**SRC Analytic Meth:**	EPA 533
Gm Well Depth Ft:		**SRC Well Depth Ft:**	
Gm Chemical Name:	Perfluoroheptane sulfonic acid (PFHpS)		
Gm Samp Collection Date:	03/06/2023		
Gm Screen Top Depth Ft:	433		
Gm Screen Bottom Depth Ft:	568		
SRC Samp Collection Date:	03/06/2023		
SRC Samp Collection Time:	10:34:00		
SRC Screen Top Depth Ft:			
SRC Screen Bottom Depth Ft:			
SRC Lab Note:	TESTAMERICA - WEST SAC (STL SACRAMENTO)		
SRC Analysis Date:	03/24/2023		
SRC Well Category:			
Gm Cas No:		**SRC Chemical:**	2816
Gm Result:	1.9	**SRC Result:**	
Gm Result Modifier:	<	**SRC Result Modifie:**	Y
Gm Chemical Units:	NG/L	**Src Chemical Units:**	NG/L
Gm Chemical Vvl:	HFPA-DA	**SRC Report Limit:**	1.9
Gm Reporting Limit:	1.9	**SRC Analytic Meth:**	EPA 533

Gm Well Depth Ft: **SRC Well Depth Ft:**
Gm Chemical Name: 2,3,3,3-tetrafluoro-2-(1,1,2,2,3,3,3-heptafluoropropoxy) propanoic acid (HFPO-DA)
Gm Samp Collection Date: 03/06/2023
Gm Screen Top Depth Ft: 433
Gm Screen Bottom Depth Ft: 568
SRC Samp Collection Date: 03/06/2023
SRC Samp Collection Time: 10:34:00
SRC Screen Top Depth Ft:
SRC Screen Bottom Depth Ft:
SRC Lab Note: TESTAMERICA - WEST SAC (STL SACRAMENTO)
SRC Analysis Date: 03/24/2023
SRC Well Category:

Gm Cas No: **SRC Chemical:** 2828
Gm Result: 1.9 **SRC Result:**
Gm Result Modifier: < **SRC Result Modifie:** Y
Gm Chemical Units: NG/L **Src Chemical Units:** NG/L
Gm Chemical Vvl: PFPES **SRC Report Limit:** 1.9
Gm Reporting Limit: 1.9 **SRC Analytic Meth:** EPA 533
Gm Well Depth Ft: **SRC Well Depth Ft:**
Gm Chemical Name: Perfluoropentane sulfonoic acid (PFPeS)
Gm Samp Collection Date: 03/06/2023
Gm Screen Top Depth Ft: 433
Gm Screen Bottom Depth Ft: 568
SRC Samp Collection Date: 03/06/2023
SRC Samp Collection Time: 10:34:00
SRC Screen Top Depth Ft:
SRC Screen Bottom Depth Ft:
SRC Lab Note: TESTAMERICA - WEST SAC (STL SACRAMENTO)
SRC Analysis Date: 03/24/2023
SRC Well Category:

Gm Cas No: **SRC Chemical:** 2815
Gm Result: 2 **SRC Result:**
Gm Result Modifier: < **SRC Result Modifie:** Y
Gm Chemical Units: NG/L **Src Chemical Units:** NG/L
Gm Chemical Vvl: ADONA **SRC Report Limit:** 2
Gm Reporting Limit: 2 **SRC Analytic Meth:** EPA 533
Gm Well Depth Ft: **SRC Well Depth Ft:**
Gm Chemical Name: 4,8-Dioxa-3H-perfluorononanoic acid (ADONA)
Gm Samp Collection Date: 09/15/2023
Gm Screen Top Depth Ft: 433
Gm Screen Bottom Depth Ft: 568
SRC Samp Collection Date: 09/15/2023
SRC Samp Collection Time: 11:43:00
SRC Screen Top Depth Ft:
SRC Screen Bottom Depth Ft:
SRC Lab Note: BSK ANALYTICAL LABORATORIES
SRC Analysis Date: 09/30/2023
SRC Well Category:

Gm Cas No: **SRC Chemical:** 2821
Gm Result: 2 **SRC Result:**
Gm Result Modifier: < **SRC Result Modifie:** Y
Gm Chemical Units: NG/L **Src Chemical Units:** NG/L
Gm Chemical Vvl: 4:2FTS **SRC Report Limit:** 2
Gm Reporting Limit: 2 **SRC Analytic Meth:** EPA 533
Gm Well Depth Ft: **SRC Well Depth Ft:**
Gm Chemical Name: 4:2 Fluorotelomer sulfonic acid (1H, 1H, 2H, 2H-Perfluorohexanesulfonic acid) (4:2 FTS)
Gm Samp Collection Date: 06/30/2023
Gm Screen Top Depth Ft: 433
Gm Screen Bottom Depth Ft: 568
SRC Samp Collection Date: 06/30/2023
SRC Samp Collection Time: 11:26:00
SRC Screen Top Depth Ft:
SRC Screen Bottom Depth Ft:
SRC Lab Note: BSK ANALYTICAL LABORATORIES
SRC Analysis Date: 07/13/2023
SRC Well Category:

Gm Cas No:		**SRC Chemical:**	2822
Gm Result:	2	**SRC Result:**	
Gm Result Modifier:	<	**SRC Result Modifie:**	Y
Gm Chemical Units:	NG/L	**Src Chemical Units:**	NG/L
Gm Chemical Vvl:	8:2FTS	**SRC Report Limit:**	2
Gm Reporting Limit:	2	**SRC Analytic Meth:**	EPA 533
Gm Well Depth Ft:		**SRC Well Depth Ft:**	
Gm Chemical Name:	8:2 Fluorotelomer sulfonic acid (1H, 1H, 2H, 2H-Perfluorodecanesulfonic acid) (8:2 FTS)		
Gm Samp Collection Date:	12/04/2023		
Gm Screen Top Depth Ft:	433		
Gm Screen Bottom Depth Ft:	568		
SRC Samp Collection Date:	12/04/2023		
SRC Samp Collection Time:	11:14:00		
SRC Screen Top Depth Ft:			
SRC Screen Bottom Depth Ft:			
SRC Lab Note:	BSK ANALYTICAL LABORATORIES		
SRC Analysis Date:	12/09/2023		
SRC Well Category:			

Gm Cas No:		**SRC Chemical:**	2808
Gm Result:	2	**SRC Result:**	
Gm Result Modifier:	<	**SRC Result Modifie:**	Y
Gm Chemical Units:	NG/L	**Src Chemical Units:**	NG/L
Gm Chemical Vvl:	PFDOA	**SRC Report Limit:**	2
Gm Reporting Limit:	2	**SRC Analytic Meth:**	EPA 533
Gm Well Depth Ft:		**SRC Well Depth Ft:**	
Gm Chemical Name:	Perfluorododecanoic acid (PFDoDA)		
Gm Samp Collection Date:	06/30/2023		
Gm Screen Top Depth Ft:	433		
Gm Screen Bottom Depth Ft:	568		
SRC Samp Collection Date:	06/30/2023		
SRC Samp Collection Time:	11:26:00		
SRC Screen Top Depth Ft:			
SRC Screen Bottom Depth Ft:			
SRC Lab Note:	BSK ANALYTICAL LABORATORIES		
SRC Analysis Date:	07/13/2023		
SRC Well Category:			

Gm Cas No:		**SRC Chemical:**	2823
Gm Result:	2	**SRC Result:**	
Gm Result Modifier:	<	**SRC Result Modifie:**	Y
Gm Chemical Units:	NG/L	**Src Chemical Units:**	NG/L
Gm Chemical Vvl:	PFMPA	**SRC Report Limit:**	2
Gm Reporting Limit:	2	**SRC Analytic Meth:**	EPA 533
Gm Well Depth Ft:		**SRC Well Depth Ft:**	
Gm Chemical Name:	Perfluoro-3-methoxypropanoic acid (PFMPA)		
Gm Samp Collection Date:	09/15/2023		
Gm Screen Top Depth Ft:	433		
Gm Screen Bottom Depth Ft:	568		
SRC Samp Collection Date:	09/15/2023		
SRC Samp Collection Time:	11:43:00		
SRC Screen Top Depth Ft:			
SRC Screen Bottom Depth Ft:			
SRC Lab Note:	BSK ANALYTICAL LABORATORIES		
SRC Analysis Date:	09/30/2023		
SRC Well Category:			

Gm Cas No:		**SRC Chemical:**	2808
Gm Result:	2	**SRC Result:**	
Gm Result Modifier:	<	**SRC Result Modifie:**	Y
Gm Chemical Units:	NG/L	**Src Chemical Units:**	NG/L
Gm Chemical Vvl:	PFDOA	**SRC Report Limit:**	2
Gm Reporting Limit:	2	**SRC Analytic Meth:**	EPA 533
Gm Well Depth Ft:		**SRC Well Depth Ft:**	
Gm Chemical Name:	Perfluorododecanoic acid (PFDoDA)		
Gm Samp Collection Date:	09/15/2023		
Gm Screen Top Depth Ft:	433		
Gm Screen Bottom Depth Ft:	568		

SRC Samp Collection Date: 09/15/2023
SRC Samp Collection Time: 11:43:00
SRC Screen Top Depth Ft:
SRC Screen Bottom Depth Ft:
SRC Lab Note: BSK ANALYTICAL LABORATORIES
SRC Analysis Date: 09/30/2023
SRC Well Category:

Gm Cas No: **SRC Chemical:** 2813
Gm Result: 2 **SRC Result:**
Gm Result Modifier: < **SRC Result Modifie:** Y
Gm Chemical Units: NG/L **Src Chemical Units:** NG/L
Gm Chemical Vvl: 11ClPF3OUDS **SRC Report Limit:** 2
Gm Reporting Limit: 2 **SRC Analytic Meth:** EPA 533
Gm Well Depth Ft: **SRC Well Depth Ft:**
Gm Chemical Name: 11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11-Cl-PF3OUdS)
Gm Samp Collection Date: 06/30/2023
Gm Screen Top Depth Ft: 433
Gm Screen Bottom Depth Ft: 568
SRC Samp Collection Date: 06/30/2023
SRC Samp Collection Time: 11:26:00
SRC Screen Top Depth Ft:
SRC Screen Bottom Depth Ft:
SRC Lab Note: BSK ANALYTICAL LABORATORIES
SRC Analysis Date: 07/13/2023
SRC Well Category:

Gm Cas No: **SRC Chemical:** 2814
Gm Result: 1.9 **SRC Result:**
Gm Result Modifier: < **SRC Result Modifie:** Y
Gm Chemical Units: NG/L **Src Chemical Units:** NG/L
Gm Chemical Vvl: 9ClPF3ONS **SRC Report Limit:** 1.9
Gm Reporting Limit: 1.9 **SRC Analytic Meth:** EPA 533
Gm Well Depth Ft: **SRC Well Depth Ft:**
Gm Chemical Name: 9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9-Cl-PF3ONS)
Gm Samp Collection Date: 03/06/2023
Gm Screen Top Depth Ft: 433
Gm Screen Bottom Depth Ft: 568
SRC Samp Collection Date: 03/06/2023
SRC Samp Collection Time: 10:34:00
SRC Screen Top Depth Ft:
SRC Screen Bottom Depth Ft:
SRC Lab Note: TESTAMERICA - WEST SAC (STL SACRAMENTO)
SRC Analysis Date: 03/24/2023
SRC Well Category:

Gm Cas No: **SRC Chemical:** 2807
Gm Result: 2 **SRC Result:**
Gm Result Modifier: < **SRC Result Modifie:** Y
Gm Chemical Units: NG/L **Src Chemical Units:** NG/L
Gm Chemical Vvl: PFNDCA **SRC Report Limit:** 2
Gm Reporting Limit: 2 **SRC Analytic Meth:** EPA 533
Gm Well Depth Ft: **SRC Well Depth Ft:**
Gm Chemical Name: Perfluorodecanoic acid (PFDA)
Gm Samp Collection Date: 12/04/2023
Gm Screen Top Depth Ft: 433
Gm Screen Bottom Depth Ft: 568
SRC Samp Collection Date: 12/04/2023
SRC Samp Collection Time: 11:14:00
SRC Screen Top Depth Ft:
SRC Screen Bottom Depth Ft:
SRC Lab Note: BSK ANALYTICAL LABORATORIES
SRC Analysis Date: 12/09/2023
SRC Well Category:

Gm Cas No: **SRC Chemical:** 2804
Gm Result: 1.9 **SRC Result:**
Gm Result Modifier: < **SRC Result Modifie:** Y
Gm Chemical Units: NG/L **Src Chemical Units:** NG/L

Gm Chemical Vvl:	PFNA	**SRC Report Limit:**	1.9
Gm Reporting Limit:	1.9	**SRC Analytic Meth:**	EPA 533
Gm Well Depth Ft:		**SRC Well Depth Ft:**	
Gm Chemical Name:	Perfluorononanoic acid (PFNA)		
Gm Samp Collection Date:	03/06/2023		
Gm Screen Top Depth Ft:	433		
Gm Screen Bottom Depth Ft:	568		
SRC Samp Collection Date:	03/06/2023		
SRC Samp Collection Time:	10:34:00		
SRC Screen Top Depth Ft:			
SRC Screen Bottom Depth Ft:			
SRC Lab Note:	TESTAMERICA - WEST SAC (STL SACRAMENTO)		
SRC Analysis Date:	03/24/2023		
SRC Well Category:			

Gm Cas No:		**SRC Chemical:**	2826
Gm Result:	2	**SRC Result:**	
Gm Result Modifier:	<	**SRC Result Modifie:**	Y
Gm Chemical Units:	NG/L	**Src Chemical Units:**	NG/L
Gm Chemical Vvl:	PFEESA	**SRC Report Limit:**	2
Gm Reporting Limit:	2	**SRC Analytic Meth:**	EPA 533
Gm Well Depth Ft:		**SRC Well Depth Ft:**	
Gm Chemical Name:	Perfluoro(2-ethoxyethane) sulfonic acid (PFEESA)		
Gm Samp Collection Date:	06/30/2023		
Gm Screen Top Depth Ft:	433		
Gm Screen Bottom Depth Ft:	568		
SRC Samp Collection Date:	06/30/2023		
SRC Samp Collection Time:	11:26:00		
SRC Screen Top Depth Ft:			
SRC Screen Bottom Depth Ft:			
SRC Lab Note:	BSK ANALYTICAL LABORATORIES		
SRC Analysis Date:	07/13/2023		
SRC Well Category:			

Gm Cas No:		**SRC Chemical:**	2819
Gm Result:	2	**SRC Result:**	
Gm Result Modifier:	<	**SRC Result Modifie:**	Y
Gm Chemical Units:	NG/L	**Src Chemical Units:**	NG/L
Gm Chemical Vvl:	PFBTA	**SRC Report Limit:**	2
Gm Reporting Limit:	2	**SRC Analytic Meth:**	EPA 533
Gm Well Depth Ft:		**SRC Well Depth Ft:**	
Gm Chemical Name:	Perfluorobutyric acid (PFBA)		
Gm Samp Collection Date:	12/04/2023		
Gm Screen Top Depth Ft:	433		
Gm Screen Bottom Depth Ft:	568		
SRC Samp Collection Date:	12/04/2023		
SRC Samp Collection Time:	11:14:00		
SRC Screen Top Depth Ft:			
SRC Screen Bottom Depth Ft:			
SRC Lab Note:	BSK ANALYTICAL LABORATORIES		
SRC Analysis Date:	12/09/2023		
SRC Well Category:			

Gm Cas No:		**SRC Chemical:**	2804
Gm Result:	2	**SRC Result:**	
Gm Result Modifier:	<	**SRC Result Modifie:**	Y
Gm Chemical Units:	NG/L	**Src Chemical Units:**	NG/L
Gm Chemical Vvl:	PFNA	**SRC Report Limit:**	2
Gm Reporting Limit:	2	**SRC Analytic Meth:**	EPA 533
Gm Well Depth Ft:		**SRC Well Depth Ft:**	
Gm Chemical Name:	Perfluorononanoic acid (PFNA)		
Gm Samp Collection Date:	06/30/2023		
Gm Screen Top Depth Ft:	433		
Gm Screen Bottom Depth Ft:	568		
SRC Samp Collection Date:	06/30/2023		
SRC Samp Collection Time:	11:26:00		
SRC Screen Top Depth Ft:			
SRC Screen Bottom Depth Ft:			
SRC Lab Note:	BSK ANALYTICAL LABORATORIES		

SRC Analysis Date: 07/13/2023
SRC Well Category:

Gm Cas No: **SRC Chemical:** 2814
Gm Result: 2 **SRC Result:**
Gm Result Modifier: < **SRC Result Modifie:** Y
Gm Chemical Units: NG/L **Src Chemical Units:** NG/L
Gm Chemical Vvl: 9ClPF3ONS **SRC Report Limit:** 2
Gm Reporting Limit: 2 **SRC Analytic Meth:** EPA 533
Gm Well Depth Ft: **SRC Well Depth Ft:**
Gm Chemical Name: 9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9-Cl-PF3ONS)
Gm Samp Collection Date: 12/04/2023
Gm Screen Top Depth Ft: 433
Gm Screen Bottom Depth Ft: 568
SRC Samp Collection Date: 12/04/2023
SRC Samp Collection Time: 11:14:00
SRC Screen Top Depth Ft:
SRC Screen Bottom Depth Ft:
SRC Lab Note: BSK ANALYTICAL LABORATORIES
SRC Analysis Date: 12/09/2023
SRC Well Category:

Gm Cas No: **SRC Chemical:** 2821
Gm Result: 2 **SRC Result:**
Gm Result Modifier: < **SRC Result Modifie:** Y
Gm Chemical Units: NG/L **Src Chemical Units:** NG/L
Gm Chemical Vvl: 4:2FTS **SRC Report Limit:** 2
Gm Reporting Limit: 2 **SRC Analytic Meth:** EPA 533
Gm Well Depth Ft: **SRC Well Depth Ft:**
Gm Chemical Name: 4:2 Fluorotelomer sulfonic acid (1H, 1H, 2H, 2H-Perfluorohexanesulfonic acid) (4:2 FTS)
Gm Samp Collection Date: 12/04/2023
Gm Screen Top Depth Ft: 433
Gm Screen Bottom Depth Ft: 568
SRC Samp Collection Date: 12/04/2023
SRC Samp Collection Time: 11:14:00
SRC Screen Top Depth Ft:
SRC Screen Bottom Depth Ft:
SRC Lab Note: BSK ANALYTICAL LABORATORIES
SRC Analysis Date: 12/09/2023
SRC Well Category:

Gm Cas No: **SRC Chemical:** 2827
Gm Result: 1.9 **SRC Result:**
Gm Result Modifier: < **SRC Result Modifie:** Y
Gm Chemical Units: NG/L **Src Chemical Units:** NG/L
Gm Chemical Vvl: NFDHA **SRC Report Limit:** 1.9
Gm Reporting Limit: 1.9 **SRC Analytic Meth:** EPA 533
Gm Well Depth Ft: **SRC Well Depth Ft:**
Gm Chemical Name: Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)
Gm Samp Collection Date: 03/06/2023
Gm Screen Top Depth Ft: 433
Gm Screen Bottom Depth Ft: 568
SRC Samp Collection Date: 03/06/2023
SRC Samp Collection Time: 10:34:00
SRC Screen Top Depth Ft:
SRC Screen Bottom Depth Ft:
SRC Lab Note: TESTAMERICA - WEST SAC (STL SACRAMENTO)
SRC Analysis Date: 03/24/2023
SRC Well Category:

Gm Cas No: **SRC Chemical:** 2828
Gm Result: 2 **SRC Result:**
Gm Result Modifier: < **SRC Result Modifie:** Y
Gm Chemical Units: NG/L **Src Chemical Units:** NG/L
Gm Chemical Vvl: PFPES **SRC Report Limit:** 2
Gm Reporting Limit: 2 **SRC Analytic Meth:** EPA 533
Gm Well Depth Ft: **SRC Well Depth Ft:**
Gm Chemical Name: Perfluoropentane sulfonoic acid (PFPeS)
Gm Samp Collection Date: 06/30/2023

Gm Screen Top Depth Ft: 433
Gm Screen Bottom Depth Ft: 568
SRC Samp Collection Date: 06/30/2023
SRC Samp Collection Time: 11:26:00
SRC Screen Top Depth Ft:
SRC Screen Bottom Depth Ft:
SRC Lab Note: BSK ANALYTICAL LABORATORIES
SRC Analysis Date: 07/13/2023
SRC Well Category:

Gm Cas No: **SRC Chemical:** 2813
Gm Result: 2 **SRC Result:**
Gm Result Modifier: < **SRC Result Modifie:** Y
Gm Chemical Units: NG/L **Src Chemical Units:** NG/L
Gm Chemical Vvl: 11ClPF3OUDS **SRC Report Limit:** 2
Gm Reporting Limit: 2 **SRC Analytic Meth:** EPA 533
Gm Well Depth Ft: **SRC Well Depth Ft:**
Gm Chemical Name: 11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11-Cl-PF3OUdS)
Gm Samp Collection Date: 09/15/2023
Gm Screen Top Depth Ft: 433
Gm Screen Bottom Depth Ft: 568
SRC Samp Collection Date: 09/15/2023
SRC Samp Collection Time: 11:43:00
SRC Screen Top Depth Ft:
SRC Screen Bottom Depth Ft:
SRC Lab Note: BSK ANALYTICAL LABORATORIES
SRC Analysis Date: 09/30/2023
SRC Well Category:

Gm Cas No: **SRC Chemical:** 2814
Gm Result: 2 **SRC Result:**
Gm Result Modifier: < **SRC Result Modifie:** Y
Gm Chemical Units: NG/L **Src Chemical Units:** NG/L
Gm Chemical Vvl: 9ClPF3ONS **SRC Report Limit:** 2
Gm Reporting Limit: 2 **SRC Analytic Meth:** EPA 533
Gm Well Depth Ft: **SRC Well Depth Ft:**
Gm Chemical Name: 9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9-Cl-PF3ONS)
Gm Samp Collection Date: 09/15/2023
Gm Screen Top Depth Ft: 433
Gm Screen Bottom Depth Ft: 568
SRC Samp Collection Date: 09/15/2023
SRC Samp Collection Time: 11:43:00
SRC Screen Top Depth Ft:
SRC Screen Bottom Depth Ft:
SRC Lab Note: BSK ANALYTICAL LABORATORIES
SRC Analysis Date: 09/30/2023
SRC Well Category:

Gm Cas No: **SRC Chemical:** 2819
Gm Result: 2 **SRC Result:**
Gm Result Modifier: < **SRC Result Modifie:** Y
Gm Chemical Units: NG/L **Src Chemical Units:** NG/L
Gm Chemical Vvl: PFBTA **SRC Report Limit:** 2
Gm Reporting Limit: 2 **SRC Analytic Meth:** EPA 533
Gm Well Depth Ft: **SRC Well Depth Ft:**
Gm Chemical Name: Perfluorobutyric acid (PFBA)
Gm Samp Collection Date: 09/15/2023
Gm Screen Top Depth Ft: 433
Gm Screen Bottom Depth Ft: 568
SRC Samp Collection Date: 09/15/2023
SRC Samp Collection Time: 11:43:00
SRC Screen Top Depth Ft:
SRC Screen Bottom Depth Ft:
SRC Lab Note: BSK ANALYTICAL LABORATORIES
SRC Analysis Date: 09/30/2023
SRC Well Category:

Gm Cas No: **SRC Chemical:** 2802
Gm Result: 2 **SRC Result:**

Gm Result Modifier:	<	**SRC Result Modifie:**	Y
Gm Chemical Units:	NG/L	**Src Chemical Units:**	NG/L
Gm Chemical Vvl:	PFHPA	**SRC Report Limit:**	2
Gm Reporting Limit:	2	**SRC Analytic Meth:**	EPA 533
Gm Well Depth Ft:		**SRC Well Depth Ft:**	
Gm Chemical Name:	Perfluoroheptanoic acid (PFHpA)		
Gm Samp Collection Date:	09/15/2023		
Gm Screen Top Depth Ft:	433		
Gm Screen Bottom Depth Ft:	568		
SRC Samp Collection Date:	09/15/2023		
SRC Samp Collection Time:	11:43:00		
SRC Screen Top Depth Ft:			
SRC Screen Bottom Depth Ft:			
SRC Lab Note:	BSK ANALYTICAL LABORATORIES		
SRC Analysis Date:	09/30/2023		
SRC Well Category:			

Gm Cas No:		**SRC Chemical:**	2819
Gm Result:	1.9	**SRC Result:**	
Gm Result Modifier:	<	**SRC Result Modifie:**	Y
Gm Chemical Units:	NG/L	**Src Chemical Units:**	NG/L
Gm Chemical Vvl:	PFBTA	**SRC Report Limit:**	1.9
Gm Reporting Limit:	1.9	**SRC Analytic Meth:**	EPA 533
Gm Well Depth Ft:		**SRC Well Depth Ft:**	
Gm Chemical Name:	Perfluorobutyric acid (PFBA)		
Gm Samp Collection Date:	03/06/2023		
Gm Screen Top Depth Ft:	433		
Gm Screen Bottom Depth Ft:	568		
SRC Samp Collection Date:	03/06/2023		
SRC Samp Collection Time:	10:34:00		
SRC Screen Top Depth Ft:			
SRC Screen Bottom Depth Ft:			
SRC Lab Note:	TESTAMERICA - WEST SAC (STL SACRAMENTO)		
SRC Analysis Date:	03/24/2023		
SRC Well Category:			

Gm Cas No:		**SRC Chemical:**	2806
Gm Result:	2	**SRC Result:**	
Gm Result Modifier:	<	**SRC Result Modifie:**	Y
Gm Chemical Units:	NG/L	**Src Chemical Units:**	NG/L
Gm Chemical Vvl:	PFOA	**SRC Report Limit:**	2
Gm Reporting Limit:	2	**SRC Analytic Meth:**	EPA 533
Gm Well Depth Ft:		**SRC Well Depth Ft:**	
Gm Chemical Name:	Perfluorooctanoic acid (PFOA)		
Gm Samp Collection Date:	09/15/2023		
Gm Screen Top Depth Ft:	433		
Gm Screen Bottom Depth Ft:	568		
SRC Samp Collection Date:	09/15/2023		
SRC Samp Collection Time:	11:43:00		
SRC Screen Top Depth Ft:			
SRC Screen Bottom Depth Ft:			
SRC Lab Note:	BSK ANALYTICAL LABORATORIES		
SRC Analysis Date:	09/30/2023		
SRC Well Category:			

Gm Cas No:		**SRC Chemical:**	2820
Gm Result:	1.9	**SRC Result:**	
Gm Result Modifier:	<	**SRC Result Modifie:**	Y
Gm Chemical Units:	NG/L	**Src Chemical Units:**	NG/L
Gm Chemical Vvl:	6:2FTS	**SRC Report Limit:**	1.9
Gm Reporting Limit:	1.9	**SRC Analytic Meth:**	EPA 533
Gm Well Depth Ft:		**SRC Well Depth Ft:**	
Gm Chemical Name:	6:2 Fluorotelomer sulfonic acid (1H,1H,2H,2H-Perfluorooctanesulfonic acid) (6:2 FTS)		
Gm Samp Collection Date:	03/06/2023		
Gm Screen Top Depth Ft:	433		
Gm Screen Bottom Depth Ft:	568		
SRC Samp Collection Date:	03/06/2023		
SRC Samp Collection Time:	10:34:00		
SRC Screen Top Depth Ft:			

SRC Screen Bottom Depth Ft:
SRC Lab Note: TESTAMERICA - WEST SAC (STL SACRAMENTO)
SRC Analysis Date: 03/24/2023
SRC Well Category:

Gm Cas No: ***SRC Chemical:*** 2822
Gm Result: 2 ***SRC Result:***
Gm Result Modifier: < ***SRC Result Modifie:*** Y
Gm Chemical Units: NG/L ***Src Chemical Units:*** NG/L
Gm Chemical Vvl: 8:2FTS ***SRC Report Limit:*** 2
Gm Reporting Limit: 2 ***SRC Analytic Meth:*** EPA 533
Gm Well Depth Ft: ***SRC Well Depth Ft:***
Gm Chemical Name: 8:2 Fluorotelomer sulfonic acid (1H, 1H, 2H, 2H-Perfluorodecanesulfonic acid) (8:2 FTS)
Gm Samp Collection Date: 06/30/2023
Gm Screen Top Depth Ft: 433
Gm Screen Bottom Depth Ft: 568
SRC Samp Collection Date: 06/30/2023
SRC Samp Collection Time: 11:26:00
SRC Screen Top Depth Ft:
SRC Screen Bottom Depth Ft:
SRC Lab Note: BSK ANALYTICAL LABORATORIES
SRC Analysis Date: 07/13/2023
SRC Well Category:

Gm Cas No: ***SRC Chemical:*** 2829
Gm Result: 2 ***SRC Result:***
Gm Result Modifier: < ***SRC Result Modifie:*** Y
Gm Chemical Units: NG/L ***Src Chemical Units:*** NG/L
Gm Chemical Vvl: PFHPSA ***SRC Report Limit:*** 2
Gm Reporting Limit: 2 ***SRC Analytic Meth:*** EPA 533
Gm Well Depth Ft: ***SRC Well Depth Ft:***
Gm Chemical Name: Perfluoroheptane sulfonic acid (PFHpS)
Gm Samp Collection Date: 06/30/2023
Gm Screen Top Depth Ft: 433
Gm Screen Bottom Depth Ft: 568
SRC Samp Collection Date: 06/30/2023
SRC Samp Collection Time: 11:26:00
SRC Screen Top Depth Ft:
SRC Screen Bottom Depth Ft:
SRC Lab Note: BSK ANALYTICAL LABORATORIES
SRC Analysis Date: 07/13/2023
SRC Well Category:

Gm Cas No: ***SRC Chemical:*** 2825
Gm Result: 2 ***SRC Result:***
Gm Result Modifier: < ***SRC Result Modifie:*** Y
Gm Chemical Units: NG/L ***Src Chemical Units:*** NG/L
Gm Chemical Vvl: PFMBA ***SRC Report Limit:*** 2
Gm Reporting Limit: 2 ***SRC Analytic Meth:*** EPA 533
Gm Well Depth Ft: ***SRC Well Depth Ft:***
Gm Chemical Name: Perfluoro-4-methoxybutanoic acid (PFMBA)
Gm Samp Collection Date: 06/30/2023
Gm Screen Top Depth Ft: 433
Gm Screen Bottom Depth Ft: 568
SRC Samp Collection Date: 06/30/2023
SRC Samp Collection Time: 11:26:00
SRC Screen Top Depth Ft:
SRC Screen Bottom Depth Ft:
SRC Lab Note: BSK ANALYTICAL LABORATORIES
SRC Analysis Date: 07/13/2023
SRC Well Category:

Gm Cas No: ***SRC Chemical:*** 2806
Gm Result: 1.9 ***SRC Result:***
Gm Result Modifier: < ***SRC Result Modifie:*** Y
Gm Chemical Units: NG/L ***Src Chemical Units:*** NG/L
Gm Chemical Vvl: PFOA ***SRC Report Limit:*** 1.9
Gm Reporting Limit: 1.9 ***SRC Analytic Meth:*** EPA 533
Gm Well Depth Ft: ***SRC Well Depth Ft:***

Gm Chemical Name: Perfluorooctanoic acid (PFOA)
Gm Samp Collection Date: 03/06/2023
Gm Screen Top Depth Ft: 433
Gm Screen Bottom Depth Ft: 568
SRC Samp Collection Date: 03/06/2023
SRC Samp Collection Time: 10:34:00
SRC Screen Top Depth Ft:
SRC Screen Bottom Depth Ft:
SRC Lab Note: TESTAMERICA - WEST SAC (STL SACRAMENTO)
SRC Analysis Date: 03/24/2023
SRC Well Category:

Gm Cas No:
Gm Result: 2
Gm Result Modifier: <
Gm Chemical Units: NG/L
Gm Chemical Vvl: 8:2FTS
Gm Reporting Limit: 2
Gm Well Depth Ft:
SRC Chemical: 2822
SRC Result:
SRC Result Modifie: Y
Src Chemical Units: NG/L
SRC Report Limit: 2
SRC Analytic Meth: EPA 533
SRC Well Depth Ft:
Gm Chemical Name: 8:2 Fluorotelomer sulfonic acid (1H, 1H, 2H, 2H-Perfluorodecanesulfonic acid) (8:2 FTS)
Gm Samp Collection Date: 09/15/2023
Gm Screen Top Depth Ft: 433
Gm Screen Bottom Depth Ft: 568
SRC Samp Collection Date: 09/15/2023
SRC Samp Collection Time: 11:43:00
SRC Screen Top Depth Ft:
SRC Screen Bottom Depth Ft:
SRC Lab Note: BSK ANALYTICAL LABORATORIES
SRC Analysis Date: 09/30/2023
SRC Well Category:

Gm Cas No:
Gm Result: 2
Gm Result Modifier: <
Gm Chemical Units: NG/L
Gm Chemical Vvl: NFDHA
Gm Reporting Limit: 2
Gm Well Depth Ft:
SRC Chemical: 2827
SRC Result:
SRC Result Modifie: Y
Src Chemical Units: NG/L
SRC Report Limit: 2
SRC Analytic Meth: EPA 533
SRC Well Depth Ft:
Gm Chemical Name: Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)
Gm Samp Collection Date: 09/15/2023
Gm Screen Top Depth Ft: 433
Gm Screen Bottom Depth Ft: 568
SRC Samp Collection Date: 09/15/2023
SRC Samp Collection Time: 11:43:00
SRC Screen Top Depth Ft:
SRC Screen Bottom Depth Ft:
SRC Lab Note: BSK ANALYTICAL LABORATORIES
SRC Analysis Date: 09/30/2023
SRC Well Category:

Gm Cas No:
Gm Result: 2
Gm Result Modifier: <
Gm Chemical Units: NG/L
Gm Chemical Vvl: ADONA
Gm Reporting Limit: 2
Gm Well Depth Ft:
SRC Chemical: 2815
SRC Result:
SRC Result Modifie: Y
Src Chemical Units: NG/L
SRC Report Limit: 2
SRC Analytic Meth: EPA 533
SRC Well Depth Ft:
Gm Chemical Name: 4,8-Dioxa-3H-perfluorononanoic acid (ADONA)
Gm Samp Collection Date: 12/04/2023
Gm Screen Top Depth Ft: 433
Gm Screen Bottom Depth Ft: 568
SRC Samp Collection Date: 12/04/2023
SRC Samp Collection Time: 11:14:00
SRC Screen Top Depth Ft:
SRC Screen Bottom Depth Ft:
SRC Lab Note: BSK ANALYTICAL LABORATORIES
SRC Analysis Date: 12/09/2023
SRC Well Category:

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Gm Cas No:		**SRC Chemical:**	2827
Gm Result:	2	**SRC Result:**	
Gm Result Modifier:	<	**SRC Result Modifie:**	Y
Gm Chemical Units:	NG/L	**Src Chemical Units:**	NG/L
Gm Chemical Vvl:	NFDHA	**SRC Report Limit:**	2
Gm Reporting Limit:	2	**SRC Analytic Meth:**	EPA 533
Gm Well Depth Ft:		**SRC Well Depth Ft:**	
Gm Chemical Name:	Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)		
Gm Samp Collection Date:	06/30/2023		
Gm Screen Top Depth Ft:	433		
Gm Screen Bottom Depth Ft:	568		
SRC Samp Collection Date:	06/30/2023		
SRC Samp Collection Time:	11:26:00		
SRC Screen Top Depth Ft:			
SRC Screen Bottom Depth Ft:			
SRC Lab Note:	BSK ANALYTICAL LABORATORIES		
SRC Analysis Date:	07/13/2023		
SRC Well Category:			

Gm Cas No:		**SRC Chemical:**	2826
Gm Result:	2	**SRC Result:**	
Gm Result Modifier:	<	**SRC Result Modifie:**	Y
Gm Chemical Units:	NG/L	**Src Chemical Units:**	NG/L
Gm Chemical Vvl:	PFEESA	**SRC Report Limit:**	2
Gm Reporting Limit:	2	**SRC Analytic Meth:**	EPA 533
Gm Well Depth Ft:		**SRC Well Depth Ft:**	
Gm Chemical Name:	Perfluoro(2-ethoxyethane) sulfonic acid (PFEESA)		
Gm Samp Collection Date:	09/15/2023		
Gm Screen Top Depth Ft:	433		
Gm Screen Bottom Depth Ft:	568		
SRC Samp Collection Date:	09/15/2023		
SRC Samp Collection Time:	11:43:00		
SRC Screen Top Depth Ft:			
SRC Screen Bottom Depth Ft:			
SRC Lab Note:	BSK ANALYTICAL LABORATORIES		
SRC Analysis Date:	09/30/2023		
SRC Well Category:			

Gm Cas No:		**SRC Chemical:**	2828
Gm Result:	2	**SRC Result:**	
Gm Result Modifier:	<	**SRC Result Modifie:**	Y
Gm Chemical Units:	NG/L	**Src Chemical Units:**	NG/L
Gm Chemical Vvl:	PFPES	**SRC Report Limit:**	2
Gm Reporting Limit:	2	**SRC Analytic Meth:**	EPA 533
Gm Well Depth Ft:		**SRC Well Depth Ft:**	
Gm Chemical Name:	Perfluoropentane sulfonoic acid (PFPeS)		
Gm Samp Collection Date:	09/15/2023		
Gm Screen Top Depth Ft:	433		
Gm Screen Bottom Depth Ft:	568		
SRC Samp Collection Date:	09/15/2023		
SRC Samp Collection Time:	11:43:00		
SRC Screen Top Depth Ft:			
SRC Screen Bottom Depth Ft:			
SRC Lab Note:	BSK ANALYTICAL LABORATORIES		
SRC Analysis Date:	09/30/2023		
SRC Well Category:			

Gm Cas No:		**SRC Chemical:**	2805
Gm Result:	2	**SRC Result:**	
Gm Result Modifier:	<	**SRC Result Modifie:**	Y
Gm Chemical Units:	NG/L	**Src Chemical Units:**	NG/L
Gm Chemical Vvl:	PFOS	**SRC Report Limit:**	2
Gm Reporting Limit:	2	**SRC Analytic Meth:**	EPA 533
Gm Well Depth Ft:		**SRC Well Depth Ft:**	
Gm Chemical Name:	Perfluorooctane sulfonate (PFOS)		
Gm Samp Collection Date:	09/15/2023		
Gm Screen Top Depth Ft:	433		
Gm Screen Bottom Depth Ft:	568		
SRC Samp Collection Date:	09/15/2023		

SRC Samp Collection Time:	11:43:00		
SRC Screen Top Depth Ft:			
SRC Screen Bottom Depth Ft:			
SRC Lab Note:	BSK ANALYTICAL LABORATORIES		
SRC Analysis Date:	09/30/2023		
SRC Well Category:			

Gm Cas No:		**SRC Chemical:**	2803
Gm Result:	2	**SRC Result:**	
Gm Result Modifier:	<	**SRC Result Modifie:**	Y
Gm Chemical Units:	NG/L	**Src Chemical Units:**	NG/L
Gm Chemical Vvl:	PFHXSA	**SRC Report Limit:**	2
Gm Reporting Limit:	2	**SRC Analytic Meth:**	EPA 533
Gm Well Depth Ft:		**SRC Well Depth Ft:**	
Gm Chemical Name:	Perfluorohexanesulfonic acid (PFHxS)		
Gm Samp Collection Date:	09/15/2023		
Gm Screen Top Depth Ft:	433		
Gm Screen Bottom Depth Ft:	568		
SRC Samp Collection Date:	09/15/2023		
SRC Samp Collection Time:	11:43:00		
SRC Screen Top Depth Ft:			
SRC Screen Bottom Depth Ft:			
SRC Lab Note:	BSK ANALYTICAL LABORATORIES		
SRC Analysis Date:	09/30/2023		
SRC Well Category:			

Gm Cas No:		**SRC Chemical:**	2805
Gm Result:	1.9	**SRC Result:**	
Gm Result Modifier:	<	**SRC Result Modifie:**	Y
Gm Chemical Units:	NG/L	**Src Chemical Units:**	NG/L
Gm Chemical Vvl:	PFOS	**SRC Report Limit:**	1.9
Gm Reporting Limit:	1.9	**SRC Analytic Meth:**	EPA 533
Gm Well Depth Ft:		**SRC Well Depth Ft:**	
Gm Chemical Name:	Perfluorooctane sulfonate (PFOS)		
Gm Samp Collection Date:	03/06/2023		
Gm Screen Top Depth Ft:	433		
Gm Screen Bottom Depth Ft:	568		
SRC Samp Collection Date:	03/06/2023		
SRC Samp Collection Time:	10:34:00		
SRC Screen Top Depth Ft:			
SRC Screen Bottom Depth Ft:			
SRC Lab Note:	TESTAMERICA - WEST SAC (STL SACRAMENTO)		
SRC Analysis Date:	03/24/2023		
SRC Well Category:			

Gm Cas No:		**SRC Chemical:**	2824
Gm Result:	1.9	**SRC Result:**	
Gm Result Modifier:	<	**SRC Result Modifie:**	Y
Gm Chemical Units:	NG/L	**Src Chemical Units:**	NG/L
Gm Chemical Vvl:	PFPA	**SRC Report Limit:**	1.9
Gm Reporting Limit:	1.9	**SRC Analytic Meth:**	EPA 533
Gm Well Depth Ft:		**SRC Well Depth Ft:**	
Gm Chemical Name:	Perfluoropentanoic acid (PFPeA)		
Gm Samp Collection Date:	03/06/2023		
Gm Screen Top Depth Ft:	433		
Gm Screen Bottom Depth Ft:	568		
SRC Samp Collection Date:	03/06/2023		
SRC Samp Collection Time:	10:34:00		
SRC Screen Top Depth Ft:			
SRC Screen Bottom Depth Ft:			
SRC Lab Note:	TESTAMERICA - WEST SAC (STL SACRAMENTO)		
SRC Analysis Date:	03/24/2023		
SRC Well Category:			

Gm Cas No:		**SRC Chemical:**	2823
Gm Result:	2	**SRC Result:**	
Gm Result Modifier:	<	**SRC Result Modifie:**	Y
Gm Chemical Units:	NG/L	**Src Chemical Units:**	NG/L
Gm Chemical Vvl:	PFMPA	**SRC Report Limit:**	2

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Gm Reporting Limit:	2	**SRC Analytic Meth:**	EPA 533
Gm Well Depth Ft:		**SRC Well Depth Ft:**	
Gm Chemical Name:	Perfluoro-3-methoxypropanoic acid (PFMPA)		
Gm Samp Collection Date:	06/30/2023		
Gm Screen Top Depth Ft:	433		
Gm Screen Bottom Depth Ft:	568		
SRC Samp Collection Date:	06/30/2023		
SRC Samp Collection Time:	11:26:00		
SRC Screen Top Depth Ft:			
SRC Screen Bottom Depth Ft:			
SRC Lab Note:	BSK ANALYTICAL LABORATORIES		
SRC Analysis Date:	07/13/2023		
SRC Well Category:			

Gm Cas No:		**SRC Chemical:**	2824
Gm Result:	2	**SRC Result:**	
Gm Result Modifier:	<	**SRC Result Modifie:**	Y
Gm Chemical Units:	NG/L	**Src Chemical Units:**	NG/L
Gm Chemical Vvl:	PFPA	**SRC Report Limit:**	2
Gm Reporting Limit:	2	**SRC Analytic Meth:**	EPA 533
Gm Well Depth Ft:		**SRC Well Depth Ft:**	
Gm Chemical Name:	Perfluoropentanoic acid (PFPeA)		
Gm Samp Collection Date:	09/15/2023		
Gm Screen Top Depth Ft:	433		
Gm Screen Bottom Depth Ft:	568		
SRC Samp Collection Date:	09/15/2023		
SRC Samp Collection Time:	11:43:00		
SRC Screen Top Depth Ft:			
SRC Screen Bottom Depth Ft:			
SRC Lab Note:	BSK ANALYTICAL LABORATORIES		
SRC Analysis Date:	09/30/2023		
SRC Well Category:			

Gm Cas No:		**SRC Chemical:**	2803
Gm Result:	2	**SRC Result:**	
Gm Result Modifier:	<	**SRC Result Modifie:**	Y
Gm Chemical Units:	NG/L	**Src Chemical Units:**	NG/L
Gm Chemical Vvl:	PFHXSA	**SRC Report Limit:**	2
Gm Reporting Limit:	2	**SRC Analytic Meth:**	EPA 533
Gm Well Depth Ft:		**SRC Well Depth Ft:**	
Gm Chemical Name:	Perfluorohexanesulfonic acid (PFHxS)		
Gm Samp Collection Date:	12/04/2023		
Gm Screen Top Depth Ft:	433		
Gm Screen Bottom Depth Ft:	568		
SRC Samp Collection Date:	12/04/2023		
SRC Samp Collection Time:	11:14:00		
SRC Screen Top Depth Ft:			
SRC Screen Bottom Depth Ft:			
SRC Lab Note:	BSK ANALYTICAL LABORATORIES		
SRC Analysis Date:	12/09/2023		
SRC Well Category:			

Gm Cas No:		**SRC Chemical:**	2806
Gm Result:	2	**SRC Result:**	
Gm Result Modifier:	<	**SRC Result Modifie:**	Y
Gm Chemical Units:	NG/L	**Src Chemical Units:**	NG/L
Gm Chemical Vvl:	PFOA	**SRC Report Limit:**	2
Gm Reporting Limit:	2	**SRC Analytic Meth:**	EPA 533
Gm Well Depth Ft:		**SRC Well Depth Ft:**	
Gm Chemical Name:	Perfluorooctanoic acid (PFOA)		
Gm Samp Collection Date:	12/04/2023		
Gm Screen Top Depth Ft:	433		
Gm Screen Bottom Depth Ft:	568		
SRC Samp Collection Date:	12/04/2023		
SRC Samp Collection Time:	11:14:00		
SRC Screen Top Depth Ft:			
SRC Screen Bottom Depth Ft:			
SRC Lab Note:	BSK ANALYTICAL LABORATORIES		
SRC Analysis Date:	12/09/2023		

SRC Well Category:

Gm Cas No: | ***SRC Chemical:*** 2804
Gm Result: 2 | ***SRC Result:***
Gm Result Modifier: < | ***SRC Result Modifie:*** Y
Gm Chemical Units: NG/L | ***Src Chemical Units:*** NG/L
Gm Chemical Vvl: PFNA | ***SRC Report Limit:*** 2
Gm Reporting Limit: 2 | ***SRC Analytic Meth:*** EPA 533
Gm Well Depth Ft: | ***SRC Well Depth Ft:***
Gm Chemical Name: Perfluorononanoic acid (PFNA)
Gm Samp Collection Date: 09/15/2023
Gm Screen Top Depth Ft: 433
Gm Screen Bottom Depth Ft: 568
SRC Samp Collection Date: 09/15/2023
SRC Samp Collection Time: 11:43:00
SRC Screen Top Depth Ft:
SRC Screen Bottom Depth Ft:
SRC Lab Note: BSK ANALYTICAL LABORATORIES
SRC Analysis Date: 09/30/2023
SRC Well Category:

Gm Cas No: | ***SRC Chemical:*** 2816
Gm Result: 2 | ***SRC Result:***
Gm Result Modifier: < | ***SRC Result Modifie:*** Y
Gm Chemical Units: NG/L | ***Src Chemical Units:*** NG/L
Gm Chemical Vvl: HFPA-DA | ***SRC Report Limit:*** 2
Gm Reporting Limit: 2 | ***SRC Analytic Meth:*** EPA 533
Gm Well Depth Ft: | ***SRC Well Depth Ft:***
Gm Chemical Name: 2,3,3,3-tetrafluoro-2-(1,1,2,2,3,3,3-heptafluoropropoxy) propanoic acid (HFPO-DA)
Gm Samp Collection Date: 12/04/2023
Gm Screen Top Depth Ft: 433
Gm Screen Bottom Depth Ft: 568
SRC Samp Collection Date: 12/04/2023
SRC Samp Collection Time: 11:14:00
SRC Screen Top Depth Ft:
SRC Screen Bottom Depth Ft:
SRC Lab Note: BSK ANALYTICAL LABORATORIES
SRC Analysis Date: 12/09/2023
SRC Well Category:

Gm Cas No: | ***SRC Chemical:*** 2819
Gm Result: 2 | ***SRC Result:***
Gm Result Modifier: < | ***SRC Result Modifie:*** Y
Gm Chemical Units: NG/L | ***Src Chemical Units:*** NG/L
Gm Chemical Vvl: PFBTA | ***SRC Report Limit:*** 2
Gm Reporting Limit: 2 | ***SRC Analytic Meth:*** EPA 533
Gm Well Depth Ft: | ***SRC Well Depth Ft:***
Gm Chemical Name: Perfluorobutyric acid (PFBA)
Gm Samp Collection Date: 06/30/2023
Gm Screen Top Depth Ft: 433
Gm Screen Bottom Depth Ft: 568
SRC Samp Collection Date: 06/30/2023
SRC Samp Collection Time: 11:26:00
SRC Screen Top Depth Ft:
SRC Screen Bottom Depth Ft:
SRC Lab Note: BSK ANALYTICAL LABORATORIES
SRC Analysis Date: 07/13/2023
SRC Well Category:

Gm Cas No: | ***SRC Chemical:*** 2806
Gm Result: 2 | ***SRC Result:***
Gm Result Modifier: < | ***SRC Result Modifie:*** Y
Gm Chemical Units: NG/L | ***Src Chemical Units:*** NG/L
Gm Chemical Vvl: PFOA | ***SRC Report Limit:*** 2
Gm Reporting Limit: 2 | ***SRC Analytic Meth:*** EPA 533
Gm Well Depth Ft: | ***SRC Well Depth Ft:***
Gm Chemical Name: Perfluorooctanoic acid (PFOA)
Gm Samp Collection Date: 06/30/2023
Gm Screen Top Depth Ft: 433

Gm Screen Bottom Depth Ft:	568		
SRC Samp Collection Date:	06/30/2023		
SRC Samp Collection Time:	11:26:00		
SRC Screen Top Depth Ft:			
SRC Screen Bottom Depth Ft:			
SRC Lab Note:	BSK ANALYTICAL LABORATORIES		
SRC Analysis Date:	07/13/2023		
SRC Well Category:			

Gm Cas No:		**SRC Chemical:**	2829
Gm Result:	2	**SRC Result:**	
Gm Result Modifier:	<	**SRC Result Modifie:**	Y
Gm Chemical Units:	NG/L	**Src Chemical Units:**	NG/L
Gm Chemical Vvl:	PFHPSA	**SRC Report Limit:**	2
Gm Reporting Limit:	2	**SRC Analytic Meth:**	EPA 533
Gm Well Depth Ft:		**SRC Well Depth Ft:**	
Gm Chemical Name:	Perfluoroheptane sulfonic acid (PFHpS)		
Gm Samp Collection Date:	09/15/2023		
Gm Screen Top Depth Ft:	433		
Gm Screen Bottom Depth Ft:	568		
SRC Samp Collection Date:	09/15/2023		
SRC Samp Collection Time:	11:43:00		
SRC Screen Top Depth Ft:			
SRC Screen Bottom Depth Ft:			
SRC Lab Note:	BSK ANALYTICAL LABORATORIES		
SRC Analysis Date:	09/30/2023		
SRC Well Category:			

Gm Cas No:		**SRC Chemical:**	2826
Gm Result:	1.9	**SRC Result:**	
Gm Result Modifier:	<	**SRC Result Modifie:**	Y
Gm Chemical Units:	NG/L	**Src Chemical Units:**	NG/L
Gm Chemical Vvl:	PFEESA	**SRC Report Limit:**	1.9
Gm Reporting Limit:	1.9	**SRC Analytic Meth:**	EPA 533
Gm Well Depth Ft:		**SRC Well Depth Ft:**	
Gm Chemical Name:	Perfluoro(2-ethoxyethane) sulfonic acid (PFEESA)		
Gm Samp Collection Date:	03/06/2023		
Gm Screen Top Depth Ft:	433		
Gm Screen Bottom Depth Ft:	568		
SRC Samp Collection Date:	03/06/2023		
SRC Samp Collection Time:	10:34:00		
SRC Screen Top Depth Ft:			
SRC Screen Bottom Depth Ft:			
SRC Lab Note:	TESTAMERICA - WEST SAC (STL SACRAMENTO)		
SRC Analysis Date:	03/24/2023		
SRC Well Category:			

Gm Cas No:		**SRC Chemical:**	2807
Gm Result:	1.9	**SRC Result:**	
Gm Result Modifier:	<	**SRC Result Modifie:**	Y
Gm Chemical Units:	NG/L	**Src Chemical Units:**	NG/L
Gm Chemical Vvl:	PFNDCA	**SRC Report Limit:**	1.9
Gm Reporting Limit:	1.9	**SRC Analytic Meth:**	EPA 533
Gm Well Depth Ft:		**SRC Well Depth Ft:**	
Gm Chemical Name:	Perfluorodecanoic acid (PFDA)		
Gm Samp Collection Date:	03/06/2023		
Gm Screen Top Depth Ft:	433		
Gm Screen Bottom Depth Ft:	568		
SRC Samp Collection Date:	03/06/2023		
SRC Samp Collection Time:	10:34:00		
SRC Screen Top Depth Ft:			
SRC Screen Bottom Depth Ft:			
SRC Lab Note:	TESTAMERICA - WEST SAC (STL SACRAMENTO)		
SRC Analysis Date:	03/24/2023		
SRC Well Category:			

Gm Cas No:		**SRC Chemical:**	2801
Gm Result:	2	**SRC Result:**	
Gm Result Modifier:	<	**SRC Result Modifie:**	Y

Gm Chemical Units:	NG/L	**Src Chemical Units:**	NG/L
Gm Chemical Vvl:	PFBSA	**SRC Report Limit:**	2
Gm Reporting Limit:	2	**SRC Analytic Meth:**	EPA 533
Gm Well Depth Ft:		**SRC Well Depth Ft:**	
Gm Chemical Name:	Perfluorobutane sulfonic acid (PFBS)		
Gm Samp Collection Date:	06/30/2023		
Gm Screen Top Depth Ft:	433		
Gm Screen Bottom Depth Ft:	568		
SRC Samp Collection Date:	06/30/2023		
SRC Samp Collection Time:	11:26:00		
SRC Screen Top Depth Ft:			
SRC Screen Bottom Depth Ft:			
SRC Lab Note:	BSK ANALYTICAL LABORATORIES		
SRC Analysis Date:	07/13/2023		
SRC Well Category:			

Gm Cas No:		**SRC Chemical:**	2813
Gm Result:	2	**SRC Result:**	
Gm Result Modifier:	<	**SRC Result Modifie:**	Y
Gm Chemical Units:	NG/L	**Src Chemical Units:**	NG/L
Gm Chemical Vvl:	11ClPF3OUDS	**SRC Report Limit:**	2
Gm Reporting Limit:	2	**SRC Analytic Meth:**	EPA 533
Gm Well Depth Ft:		**SRC Well Depth Ft:**	
Gm Chemical Name:	11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11-Cl-PF3OUdS)		
Gm Samp Collection Date:	12/04/2023		
Gm Screen Top Depth Ft:	433		
Gm Screen Bottom Depth Ft:	568		
SRC Samp Collection Date:	12/04/2023		
SRC Samp Collection Time:	11:14:00		
SRC Screen Top Depth Ft:			
SRC Screen Bottom Depth Ft:			
SRC Lab Note:	BSK ANALYTICAL LABORATORIES		
SRC Analysis Date:	12/09/2023		
SRC Well Category:			

Gm Cas No:		**SRC Chemical:**	2805
Gm Result:	2	**SRC Result:**	
Gm Result Modifier:	<	**SRC Result Modifie:**	Y
Gm Chemical Units:	NG/L	**Src Chemical Units:**	NG/L
Gm Chemical Vvl:	PFOS	**SRC Report Limit:**	2
Gm Reporting Limit:	2	**SRC Analytic Meth:**	EPA 533
Gm Well Depth Ft:		**SRC Well Depth Ft:**	
Gm Chemical Name:	Perfluorooctane sulfonate (PFOS)		
Gm Samp Collection Date:	06/30/2023		
Gm Screen Top Depth Ft:	433		
Gm Screen Bottom Depth Ft:	568		
SRC Samp Collection Date:	06/30/2023		
SRC Samp Collection Time:	11:26:00		
SRC Screen Top Depth Ft:			
SRC Screen Bottom Depth Ft:			
SRC Lab Note:	BSK ANALYTICAL LABORATORIES		
SRC Analysis Date:	07/13/2023		
SRC Well Category:			

Gm Cas No:		**SRC Chemical:**	2804
Gm Result:	2	**SRC Result:**	
Gm Result Modifier:	<	**SRC Result Modifie:**	Y
Gm Chemical Units:	NG/L	**Src Chemical Units:**	NG/L
Gm Chemical Vvl:	PFNA	**SRC Report Limit:**	2
Gm Reporting Limit:	2	**SRC Analytic Meth:**	EPA 533
Gm Well Depth Ft:		**SRC Well Depth Ft:**	
Gm Chemical Name:	Perfluorononanoic acid (PFNA)		
Gm Samp Collection Date:	12/04/2023		
Gm Screen Top Depth Ft:	433		
Gm Screen Bottom Depth Ft:	568		
SRC Samp Collection Date:	12/04/2023		
SRC Samp Collection Time:	11:14:00		
SRC Screen Top Depth Ft:			
SRC Screen Bottom Depth Ft:			

SRC Lab Note: BSK ANALYTICAL LABORATORIES
SRC Analysis Date: 12/09/2023
SRC Well Category:

Gm Cas No:
Gm Result: 1.9
Gm Result Modifier: <
Gm Chemical Units: NG/L
Gm Chemical Vvl: 8:2FTS
Gm Reporting Limit: 1.9
Gm Well Depth Ft:
SRC Chemical: 2822
SRC Result:
SRC Result Modifie: Y
Src Chemical Units: NG/L
SRC Report Limit: 1.9
SRC Analytic Meth: EPA 533
SRC Well Depth Ft:
Gm Chemical Name: 8:2 Fluorotelomer sulfonic acid (1H, 1H, 2H, 2H-Perfluorodecanesulfonic acid) (8:2 FTS)
Gm Samp Collection Date: 03/06/2023
Gm Screen Top Depth Ft: 433
Gm Screen Bottom Depth Ft: 568
SRC Samp Collection Date: 03/06/2023
SRC Samp Collection Time: 10:34:00
SRC Screen Top Depth Ft:
SRC Screen Bottom Depth Ft:
SRC Lab Note: TESTAMERICA - WEST SAC (STL SACRAMENTO)
SRC Analysis Date: 03/24/2023
SRC Well Category:

Gm Cas No:
Gm Result: 1.9
Gm Result Modifier: <
Gm Chemical Units: NG/L
Gm Chemical Vvl: PFUNDCA
Gm Reporting Limit: 1.9
Gm Well Depth Ft:
SRC Chemical: 2812
SRC Result:
SRC Result Modifie: Y
Src Chemical Units: NG/L
SRC Report Limit: 1.9
SRC Analytic Meth: EPA 533
SRC Well Depth Ft:
Gm Chemical Name: Perfluoroundecanoic acid (PFUnDA)
Gm Samp Collection Date: 03/06/2023
Gm Screen Top Depth Ft: 433
Gm Screen Bottom Depth Ft: 568
SRC Samp Collection Date: 03/06/2023
SRC Samp Collection Time: 10:34:00
SRC Screen Top Depth Ft:
SRC Screen Bottom Depth Ft:
SRC Lab Note: TESTAMERICA - WEST SAC (STL SACRAMENTO)
SRC Analysis Date: 03/24/2023
SRC Well Category:

Gm Cas No:
Gm Result: 2
Gm Result Modifier: <
Gm Chemical Units: NG/L
Gm Chemical Vvl: PFBSA
Gm Reporting Limit: 2
Gm Well Depth Ft:
SRC Chemical: 2801
SRC Result:
SRC Result Modifie: Y
Src Chemical Units: NG/L
SRC Report Limit: 2
SRC Analytic Meth: EPA 533
SRC Well Depth Ft:
Gm Chemical Name: Perfluorobutane sulfonic acid (PFBS)
Gm Samp Collection Date: 12/04/2023
Gm Screen Top Depth Ft: 433
Gm Screen Bottom Depth Ft: 568
SRC Samp Collection Date: 12/04/2023
SRC Samp Collection Time: 11:14:00
SRC Screen Top Depth Ft:
SRC Screen Bottom Depth Ft:
SRC Lab Note: BSK ANALYTICAL LABORATORIES
SRC Analysis Date: 12/09/2023
SRC Well Category:

Gm Cas No:
Gm Result: 2
Gm Result Modifier: <
Gm Chemical Units: NG/L
Gm Chemical Vvl: PFOS
Gm Reporting Limit: 2
Gm Well Depth Ft:
SRC Chemical: 2805
SRC Result:
SRC Result Modifie: Y
Src Chemical Units: NG/L
SRC Report Limit: 2
SRC Analytic Meth: EPA 533
SRC Well Depth Ft:
Gm Chemical Name: Perfluorooctane sulfonate (PFOS)

Gm Samp Collection Date: 12/04/2023
Gm Screen Top Depth Ft: 433
Gm Screen Bottom Depth Ft: 568
SRC Samp Collection Date: 12/04/2023
SRC Samp Collection Time: 11:14:00
SRC Screen Top Depth Ft:
SRC Screen Bottom Depth Ft:
SRC Lab Note: BSK ANALYTICAL LABORATORIES
SRC Analysis Date: 12/09/2023
SRC Well Category:

Gm Cas No:
SRC Chemical: 2820
Gm Result: 2
SRC Result:
Gm Result Modifier: <
SRC Result Modifie: Y
Gm Chemical Units: NG/L
Src Chemical Units: NG/L
Gm Chemical Vvl: 6:2FTS
SRC Report Limit: 2
Gm Reporting Limit: 2
SRC Analytic Meth: EPA 533
Gm Well Depth Ft:
SRC Well Depth Ft:
Gm Chemical Name: 6:2 Fluorotelomer sulfonic acid (1H,1H,2H,2H-Perfluorooctanesulfonic acid) (6:2 FTS)
Gm Samp Collection Date: 06/30/2023
Gm Screen Top Depth Ft: 433
Gm Screen Bottom Depth Ft: 568
SRC Samp Collection Date: 06/30/2023
SRC Samp Collection Time: 11:26:00
SRC Screen Top Depth Ft:
SRC Screen Bottom Depth Ft:
SRC Lab Note: BSK ANALYTICAL LABORATORIES
SRC Analysis Date: 07/13/2023
SRC Well Category:

Gm Cas No:
SRC Chemical: 2815
Gm Result: 1.9
SRC Result:
Gm Result Modifier: <
SRC Result Modifie: Y
Gm Chemical Units: NG/L
Src Chemical Units: NG/L
Gm Chemical Vvl: ADONA
SRC Report Limit: 1.9
Gm Reporting Limit: 1.9
SRC Analytic Meth: EPA 533
Gm Well Depth Ft:
SRC Well Depth Ft:
Gm Chemical Name: 4,8-Dioxa-3H-perfluorononanoic acid (ADONA)
Gm Samp Collection Date: 03/06/2023
Gm Screen Top Depth Ft: 433
Gm Screen Bottom Depth Ft: 568
SRC Samp Collection Date: 03/06/2023
SRC Samp Collection Time: 10:34:00
SRC Screen Top Depth Ft:
SRC Screen Bottom Depth Ft:
SRC Lab Note: TESTAMERICA - WEST SAC (STL SACRAMENTO)
SRC Analysis Date: 03/24/2023
SRC Well Category:

Gm Cas No:
SRC Chemical: 2821
Gm Result: 2
SRC Result:
Gm Result Modifier: <
SRC Result Modifie: Y
Gm Chemical Units: NG/L
Src Chemical Units: NG/L
Gm Chemical Vvl: 4:2FTS
SRC Report Limit: 2
Gm Reporting Limit: 2
SRC Analytic Meth: EPA 533
Gm Well Depth Ft:
SRC Well Depth Ft:
Gm Chemical Name: 4:2 Fluorotelomer sulfonic acid (1H, 1H, 2H, 2H-Perfluorohexanesulfonic acid) (4:2 FTS)
Gm Samp Collection Date: 09/15/2023
Gm Screen Top Depth Ft: 433
Gm Screen Bottom Depth Ft: 568
SRC Samp Collection Date: 09/15/2023
SRC Samp Collection Time: 11:43:00
SRC Screen Top Depth Ft:
SRC Screen Bottom Depth Ft:
SRC Lab Note: BSK ANALYTICAL LABORATORIES
SRC Analysis Date: 09/30/2023
SRC Well Category:

Gm Cas No:
SRC Chemical: 2814

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Gm Result:	2	**SRC Result:**	
Gm Result Modifier:	<	**SRC Result Modifie:**	Y
Gm Chemical Units:	NG/L	**Src Chemical Units:**	NG/L
Gm Chemical Vvl:	9ClPF3ONS	**SRC Report Limit:**	2
Gm Reporting Limit:	2	**SRC Analytic Meth:**	EPA 533
Gm Well Depth Ft:		**SRC Well Depth Ft:**	
Gm Chemical Name:	9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9-Cl-PF3ONS)		
Gm Samp Collection Date:	06/30/2023		
Gm Screen Top Depth Ft:	433		
Gm Screen Bottom Depth Ft:	568		
SRC Samp Collection Date:	06/30/2023		
SRC Samp Collection Time:	11:26:00		
SRC Screen Top Depth Ft:			
SRC Screen Bottom Depth Ft:			
SRC Lab Note:	BSK ANALYTICAL LABORATORIES		
SRC Analysis Date:	07/13/2023		
SRC Well Category:			

Gm Cas No:		**SRC Chemical:**	2803
Gm Result:	2	**SRC Result:**	
Gm Result Modifier:	<	**SRC Result Modifie:**	Y
Gm Chemical Units:	NG/L	**Src Chemical Units:**	NG/L
Gm Chemical Vvl:	PFHXSA	**SRC Report Limit:**	2
Gm Reporting Limit:	2	**SRC Analytic Meth:**	EPA 533
Gm Well Depth Ft:		**SRC Well Depth Ft:**	
Gm Chemical Name:	Perfluorohexanesulfonic acid (PFHxS)		
Gm Samp Collection Date:	06/30/2023		
Gm Screen Top Depth Ft:	433		
Gm Screen Bottom Depth Ft:	568		
SRC Samp Collection Date:	06/30/2023		
SRC Samp Collection Time:	11:26:00		
SRC Screen Top Depth Ft:			
SRC Screen Bottom Depth Ft:			
SRC Lab Note:	BSK ANALYTICAL LABORATORIES		
SRC Analysis Date:	07/13/2023		
SRC Well Category:			

Gm Cas No:		**SRC Chemical:**	2827
Gm Result:	2	**SRC Result:**	
Gm Result Modifier:	<	**SRC Result Modifie:**	Y
Gm Chemical Units:	NG/L	**Src Chemical Units:**	NG/L
Gm Chemical Vvl:	NFDHA	**SRC Report Limit:**	2
Gm Reporting Limit:	2	**SRC Analytic Meth:**	EPA 533
Gm Well Depth Ft:		**SRC Well Depth Ft:**	
Gm Chemical Name:	Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)		
Gm Samp Collection Date:	12/04/2023		
Gm Screen Top Depth Ft:	433		
Gm Screen Bottom Depth Ft:	568		
SRC Samp Collection Date:	12/04/2023		
SRC Samp Collection Time:	11:14:00		
SRC Screen Top Depth Ft:			
SRC Screen Bottom Depth Ft:			
SRC Lab Note:	BSK ANALYTICAL LABORATORIES		
SRC Analysis Date:	12/09/2023		
SRC Well Category:			

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
9	2 of3	NNE	0.37 / 1,928.70	267.99 / 2	WELL 34 - RAW CA	PFAS INVEST

Geotracker Global ID:		**Latitude:**	36.945242
County:		**Longitude:**	-120.042307
Note:	Information related to facilities can be searched on Geo Tracker Website: https://geotracker.waterboards.ca.gov/search		
Data Source:	PWS		

Public Water Supply Wells

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Order Year: 2022
PS Code: CA2010002_033_033
Regulating Agency District: DISTRICT 11 - MERCED
Water System Name: CITY OF MADERA

9	3 of3	NNE	0.37 / 1,928.70	267.99 / 2	WELL 34 - RAW MADERA CA	PFAS SAMPLING

Global ID: W0602010002
Location ID: CA2010002_033_033
Status:
Site Use: Drinking Water Wells
Site Type: DDW Well
Public Water System Name: CITY OF MADERA
Facility Type:
Latitude: 36.945242
Longitude: -120.042307
Field Pt Class: PUBW

PFAS Chemicals

Sample ID:
Matrix: Liquid
Chemical: 6:2 FTS
Analytical Method Cd: EPA 533
Qualifier: <
Value: 1.9
Chemical Name: 6:2 Fluorotelomer sulfonic acid (1H,1H,2H,2H-Perfluorooctanesulfonic acid)
Regional Board:
Treated Drinking Water Dt:
Treated Drinking Water Qualifi:
Treated Drinking Water Reporti:
Treatd Drinking Water Sample:
Treated Drinking Water Units:
Treated Drinking Water Value:
Lab Notes:
Reporting Limit: 1.9
Detection Limit:
QRAA:
Units: NG/L
Date: 3/6/2023

Sample ID:
Matrix: Liquid
Chemical: PFDA
Analytical Method Cd: EPA 533
Qualifier: <
Value: 2
Chemical Name: Perfluorodecanoic acid
Regional Board:
Treated Drinking Water Dt:
Treated Drinking Water Qualifi:
Treated Drinking Water Reporti:
Treatd Drinking Water Sample:
Treated Drinking Water Units:
Treated Drinking Water Value:
Lab Notes:
Reporting Limit: 2
Detection Limit:
QRAA:
Units: NG/L
Date: 12/4/2023

Sample ID:
Matrix: Liquid
Chemical: 8:2 FTS
Analytical Method Cd: EPA 533
Qualifier: <
Value: 1.9
Chemical Name: 8:2 Fluorotelomer sulfonic acid (1H, 1H, 2H, 2H-Perfluorodecanesulfonic acid)
Regional Board:
Treated Drinking Water Dt:
Treated Drinking Water Qualifi:
Treated Drinking Water Reporti:
Treatd Drinking Water Sample:
Treated Drinking Water Units:
Treated Drinking Water Value:
Lab Notes:
Reporting Limit: 1.9
Detection Limit:
QRAA:
Units: NG/L
Date: 3/6/2023

Sample ID:
Matrix: Liquid
Chemical: 6:2 FTS
Lab Notes:
Reporting Limit: 2
Detection Limit:

Analytical Method Cd: EPA 533 **QRAA:**
Qualifier: < **Units:** NG/L
Value: 2 **Date:** 6/30/2023
Chemical Name: 6:2 Fluorotelomer sulfonic acid (1H,1H,2H,2H-Perfluorooctanesulfonic acid)
Regional Board:
Treated Drinking Water Dt:
Treated Drinking Water Qualifi:
Treated Drinking Water Reporti:
Treatd Drinking Water Sample:
Treated Drinking Water Units:
Treated Drinking Water Value:

Sample ID: **Lab Notes:**
Matrix: Liquid **Reporting Limit:** 2
Chemical: PFPeS **Detection Limit:**
Analytical Method Cd: EPA 533 **QRAA:**
Qualifier: < **Units:** NG/L
Value: 2 **Date:** 12/4/2023
Chemical Name: Perfluoropentane sulfonoic acid
Regional Board:
Treated Drinking Water Dt:
Treated Drinking Water Qualifi:
Treated Drinking Water Reporti:
Treatd Drinking Water Sample:
Treated Drinking Water Units:
Treated Drinking Water Value:

Sample ID: **Lab Notes:**
Matrix: Liquid **Reporting Limit:** 2
Chemical: PFMBA **Detection Limit:**
Analytical Method Cd: EPA 533 **QRAA:**
Qualifier: < **Units:** NG/L
Value: 2 **Date:** 9/15/2023
Chemical Name: Perfluoro-4-methoxybutanoic acid (PFMBA)
Regional Board:
Treated Drinking Water Dt:
Treated Drinking Water Qualifi:
Treated Drinking Water Reporti:
Treatd Drinking Water Sample:
Treated Drinking Water Units:
Treated Drinking Water Value:

Sample ID: **Lab Notes:**
Matrix: Liquid **Reporting Limit:** 2
Chemical: PFEESA **Detection Limit:**
Analytical Method Cd: EPA 533 **QRAA:**
Qualifier: < **Units:** NG/L
Value: 2 **Date:** 9/15/2023
Chemical Name: Perfluoro(2-ethoxyethane) sulfonic acid (PFEESA)
Regional Board:
Treated Drinking Water Dt:
Treated Drinking Water Qualifi:
Treated Drinking Water Reporti:
Treatd Drinking Water Sample:
Treated Drinking Water Units:
Treated Drinking Water Value:

Sample ID: **Lab Notes:**
Matrix: Liquid **Reporting Limit:** 2
Chemical: ADONA **Detection Limit:**
Analytical Method Cd: EPA 533 **QRAA:**
Qualifier: < **Units:** NG/L
Value: 2 **Date:** 12/4/2023
Chemical Name: 4,8-Dioxa-3H-perfluorononanoic acid
Regional Board:
Treated Drinking Water Dt:
Treated Drinking Water Qualifi:
Treated Drinking Water Reporti:
Treatd Drinking Water Sample:

Treated Drinking Water Units:
Treated Drinking Water Value:

Sample ID:
Matrix: Liquid
Chemical: PFHpA
Analytical Method Cd: EPA 533
Qualifier: <
Value: 2
Chemical Name: Perfluoroheptanoic acid
Regional Board:
Treated Drinking Water Dt:
Treated Drinking Water Qualifi:
Treated Drinking Water Reporti:
Treatd Drinking Water Sample:
Treated Drinking Water Units:
Treated Drinking Water Value:
Lab Notes:
Reporting Limit: 2
Detection Limit:
QRAA:
Units: NG/L
Date: 6/30/2023

Sample ID:
Matrix: Liquid
Chemical: 11-Cl-PF3OUdS
Analytical Method Cd: EPA 533
Qualifier: <
Value: 2
Chemical Name: 11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid
Regional Board:
Treated Drinking Water Dt:
Treated Drinking Water Qualifi:
Treated Drinking Water Reporti:
Treatd Drinking Water Sample:
Treated Drinking Water Units:
Treated Drinking Water Value:
Lab Notes:
Reporting Limit: 2
Detection Limit:
QRAA:
Units: NG/L
Date: 9/15/2023

Sample ID:
Matrix: Liquid
Chemical: PFNA
Analytical Method Cd: EPA 533
Qualifier: <
Value: 2
Chemical Name: Perfluorononanoic acid
Regional Board:
Treated Drinking Water Dt:
Treated Drinking Water Qualifi:
Treated Drinking Water Reporti:
Treatd Drinking Water Sample:
Treated Drinking Water Units:
Treated Drinking Water Value:
Lab Notes:
Reporting Limit: 2
Detection Limit:
QRAA:
Units: NG/L
Date: 6/30/2023

Sample ID:
Matrix: Liquid
Chemical: PFBA
Analytical Method Cd: EPA 533
Qualifier: <
Value: 1.9
Chemical Name: Perfluorobutanoic acid
Regional Board:
Treated Drinking Water Dt:
Treated Drinking Water Qualifi:
Treated Drinking Water Reporti:
Treatd Drinking Water Sample:
Treated Drinking Water Units:
Treated Drinking Water Value:
Lab Notes:
Reporting Limit: 1.9
Detection Limit:
QRAA:
Units: NG/L
Date: 3/6/2023

Sample ID:
Matrix: Liquid
Chemical: PFPeS
Analytical Method Cd: EPA 533
Qualifier: <
Value: 2
Lab Notes:
Reporting Limit: 2
Detection Limit:
QRAA:
Units: NG/L
Date: 6/30/2023

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Chemical Name: Perfluoropentane sulfonoic acid
Regional Board:
Treated Drinking Water Dt:
Treated Drinking Water Qualifi:
Treated Drinking Water Reporti:
Treatd Drinking Water Sample:
Treated Drinking Water Units:
Treated Drinking Water Value:

Sample ID:
Matrix: Liquid
Chemical: PFHpS
Analytical Method Cd: EPA 533
Qualifier: <
Value: 2
Lab Notes:
Reporting Limit: 2
Detection Limit:
QRAA:
Units: NG/L
Date: 6/30/2023
Chemical Name: Perfluoroheptanesulfonic acid
Regional Board:
Treated Drinking Water Dt:
Treated Drinking Water Qualifi:
Treated Drinking Water Reporti:
Treatd Drinking Water Sample:
Treated Drinking Water Units:
Treated Drinking Water Value:

Sample ID:
Matrix: Liquid
Chemical: PFOS
Analytical Method Cd:
Qualifier: <
Value: 2
Lab Notes:
Reporting Limit:
Detection Limit:
QRAA: 0
Units: NG/L
Date: 9/15/2023
Chemical Name: Perfluorooctane sulfonic acid (PFOS)
Regional Board:
Treated Drinking Water Dt:
Treated Drinking Water Qualifi:
Treated Drinking Water Reporti:
Treatd Drinking Water Sample:
Treated Drinking Water Units:
Treated Drinking Water Value:

Sample ID:
Matrix: Liquid
Chemical: HFPO-DA
Analytical Method Cd: EPA 533
Qualifier: <
Value: 2
Lab Notes:
Reporting Limit: 2
Detection Limit:
QRAA:
Units: NG/L
Date: 12/4/2023
Chemical Name: 2,3,3,3-tetrafluoro-2-(1,1,2,2,3,3,3-heptafluoropropoxy) propanoic acid
Regional Board:
Treated Drinking Water Dt:
Treated Drinking Water Qualifi:
Treated Drinking Water Reporti:
Treatd Drinking Water Sample:
Treated Drinking Water Units:
Treated Drinking Water Value:

Sample ID:
Matrix: Liquid
Chemical: PFBA
Analytical Method Cd: EPA 533
Qualifier: <
Value: 2
Lab Notes:
Reporting Limit: 2
Detection Limit:
QRAA:
Units: NG/L
Date: 6/30/2023
Chemical Name: Perfluorobutanoic acid
Regional Board:
Treated Drinking Water Dt:
Treated Drinking Water Qualifi:
Treated Drinking Water Reporti:
Treatd Drinking Water Sample:
Treated Drinking Water Units:
Treated Drinking Water Value:

Sample ID:		**Lab Notes:**	
Matrix:	Liquid	**Reporting Limit:**	2
Chemical:	9-Cl-PF3ONS	**Detection Limit:**	
Analytical Method Cd:	EPA 533	**QRAA:**	
Qualifier:	<	**Units:**	NG/L
Value:	2	**Date:**	12/4/2023
Chemical Name:	9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid		
Regional Board:			
Treated Drinking Water Dt:			
Treated Drinking Water Qualifi:			
Treated Drinking Water Reporti:			
Treatd Drinking Water Sample:			
Treated Drinking Water Units:			
Treated Drinking Water Value:			

Sample ID:		**Lab Notes:**	
Matrix:	Liquid	**Reporting Limit:**	1.9
Chemical:	PFDA	**Detection Limit:**	
Analytical Method Cd:	EPA 533	**QRAA:**	
Qualifier:	<	**Units:**	NG/L
Value:	1.9	**Date:**	3/6/2023
Chemical Name:	Perfluorodecanoic acid		
Regional Board:			
Treated Drinking Water Dt:			
Treated Drinking Water Qualifi:			
Treated Drinking Water Reporti:			
Treatd Drinking Water Sample:			
Treated Drinking Water Units:			
Treated Drinking Water Value:			

Sample ID:		**Lab Notes:**	
Matrix:	Liquid	**Reporting Limit:**	1.9
Chemical:	ADONA	**Detection Limit:**	
Analytical Method Cd:	EPA 533	**QRAA:**	
Qualifier:	<	**Units:**	NG/L
Value:	1.9	**Date:**	3/6/2023
Chemical Name:	4,8-Dioxa-3H-perfluorononanoic acid		
Regional Board:			
Treated Drinking Water Dt:			
Treated Drinking Water Qualifi:			
Treated Drinking Water Reporti:			
Treatd Drinking Water Sample:			
Treated Drinking Water Units:			
Treated Drinking Water Value:			

Sample ID:		**Lab Notes:**	
Matrix:	Liquid	**Reporting Limit:**	1.9
Chemical:	PFBS	**Detection Limit:**	
Analytical Method Cd:	EPA 533	**QRAA:**	1.9
Qualifier:	<	**Units:**	NG/L
Value:	1.9	**Date:**	3/6/2023
Chemical Name:	Perfluorobutanesulfonic acid		
Regional Board:			
Treated Drinking Water Dt:			
Treated Drinking Water Qualifi:			
Treated Drinking Water Reporti:			
Treatd Drinking Water Sample:			
Treated Drinking Water Units:			
Treated Drinking Water Value:			

Sample ID:		**Lab Notes:**	
Matrix:	Liquid	**Reporting Limit:**	2
Chemical:	PFNA	**Detection Limit:**	
Analytical Method Cd:	EPA 533	**QRAA:**	
Qualifier:	<	**Units:**	NG/L
Value:	2	**Date:**	9/15/2023
Chemical Name:	Perfluorononanoic acid		
Regional Board:			
Treated Drinking Water Dt:			

Treated Drinking Water Qualifi:
Treated Drinking Water Reporti:
Treatd Drinking Water Sample:
Treated Drinking Water Units:
Treated Drinking Water Value:

Sample ID:
Matrix: Liquid
Chemical: PFHxA
Analytical Method Cd: EPA 533
Qualifier: <
Value: 2
Chemical Name: Perfluorohexanoic acid
Regional Board:
Treated Drinking Water Dt:
Treated Drinking Water Qualifi:
Treated Drinking Water Reporti:
Treatd Drinking Water Sample:
Treated Drinking Water Units:
Treated Drinking Water Value:
Lab Notes:
Reporting Limit: 2
Detection Limit:
QRAA:
Units: NG/L
Date: 9/15/2023

Sample ID:
Matrix: Liquid
Chemical: PFBS
Analytical Method Cd: EPA 533
Qualifier: <
Value: 2
Chemical Name: Perfluorobutanesulfonic acid
Regional Board:
Treated Drinking Water Dt:
Treated Drinking Water Qualifi:
Treated Drinking Water Reporti:
Treatd Drinking Water Sample:
Treated Drinking Water Units:
Treated Drinking Water Value:
Lab Notes:
Reporting Limit: 2
Detection Limit:
QRAA: 2
Units: NG/L
Date: 9/15/2023

Sample ID:
Matrix: Liquid
Chemical: PFNA
Analytical Method Cd: EPA 533
Qualifier: <
Value: 1.9
Chemical Name: Perfluorononanoic acid
Regional Board:
Treated Drinking Water Dt:
Treated Drinking Water Qualifi:
Treated Drinking Water Reporti:
Treatd Drinking Water Sample:
Treated Drinking Water Units:
Treated Drinking Water Value:
Lab Notes:
Reporting Limit: 1.9
Detection Limit:
QRAA:
Units: NG/L
Date: 3/6/2023

Sample ID:
Matrix: Liquid
Chemical: PFNA
Analytical Method Cd: EPA 533
Qualifier: <
Value: 2
Chemical Name: Perfluorononanoic acid
Regional Board:
Treated Drinking Water Dt:
Treated Drinking Water Qualifi:
Treated Drinking Water Reporti:
Treatd Drinking Water Sample:
Treated Drinking Water Units:
Treated Drinking Water Value:
Lab Notes:
Reporting Limit: 2
Detection Limit:
QRAA:
Units: NG/L
Date: 12/4/2023

Sample ID:
Matrix: Liquid
Chemical: PFPeS
Lab Notes:
Reporting Limit: 1.9
Detection Limit:

Analytical Method Cd:	EPA 533	**QRAA:**	
Qualifier:	<	**Units:**	NG/L
Value:	1.9	**Date:**	3/6/2023
Chemical Name:	Perfluoropentane sulfonoic acid		
Regional Board:			
Treated Drinking Water Dt:			
Treated Drinking Water Qualifi:			
Treated Drinking Water Reporti:			
Treatd Drinking Water Sample:			
Treated Drinking Water Units:			
Treated Drinking Water Value:			

Sample ID:		**Lab Notes:**	
Matrix:	Liquid	**Reporting Limit:**	2
Chemical:	PFMPA	**Detection Limit:**	
Analytical Method Cd:	EPA 533	**QRAA:**	
Qualifier:	<	**Units:**	NG/L
Value:	2	**Date:**	9/15/2023
Chemical Name:	Perfluoro-3-methoxypropanoic acid (PFMPA)		
Regional Board:			
Treated Drinking Water Dt:			
Treated Drinking Water Qualifi:			
Treated Drinking Water Reporti:			
Treatd Drinking Water Sample:			
Treated Drinking Water Units:			
Treated Drinking Water Value:			

Sample ID:		**Lab Notes:**	
Matrix:	Liquid	**Reporting Limit:**	
Chemical:	PFOS	**Detection Limit:**	
Analytical Method Cd:		**QRAA:**	0
Qualifier:	<	**Units:**	NG/L
Value:	2	**Date:**	12/4/2023
Chemical Name:	Perfluorooctane sulfonic acid (PFOS)		
Regional Board:			
Treated Drinking Water Dt:			
Treated Drinking Water Qualifi:			
Treated Drinking Water Reporti:			
Treatd Drinking Water Sample:			
Treated Drinking Water Units:			
Treated Drinking Water Value:			

Sample ID:		**Lab Notes:**	
Matrix:	Liquid	**Reporting Limit:**	1.9
Chemical:	PFHxA	**Detection Limit:**	
Analytical Method Cd:	EPA 533	**QRAA:**	
Qualifier:	<	**Units:**	NG/L
Value:	1.9	**Date:**	3/6/2023
Chemical Name:	Perfluorohexanoic acid		
Regional Board:			
Treated Drinking Water Dt:			
Treated Drinking Water Qualifi:			
Treated Drinking Water Reporti:			
Treatd Drinking Water Sample:			
Treated Drinking Water Units:			
Treated Drinking Water Value:			

Sample ID:		**Lab Notes:**	
Matrix:	Liquid	**Reporting Limit:**	2
Chemical:	PFBA	**Detection Limit:**	
Analytical Method Cd:	EPA 533	**QRAA:**	
Qualifier:	<	**Units:**	NG/L
Value:	2	**Date:**	9/15/2023
Chemical Name:	Perfluorobutanoic acid		
Regional Board:			
Treated Drinking Water Dt:			
Treated Drinking Water Qualifi:			
Treated Drinking Water Reporti:			
Treatd Drinking Water Sample:			

Treated Drinking Water Units:
Treated Drinking Water Value:

Sample ID: ***Lab Notes:***
Matrix: Liquid ***Reporting Limit:*** 2
Chemical: PFPeA ***Detection Limit:***
Analytical Method Cd: EPA 533 ***QRAA:***
Qualifier: < ***Units:*** NG/L
Value: 2 ***Date:*** 12/4/2023
Chemical Name: Perfluoropentanoic acid
Regional Board:
Treated Drinking Water Dt:
Treated Drinking Water Qualifi:
Treated Drinking Water Reporti:
Treatd Drinking Water Sample:
Treated Drinking Water Units:
Treated Drinking Water Value:

Sample ID: ***Lab Notes:***
Matrix: Liquid ***Reporting Limit:***
Chemical: PFOA ***Detection Limit:***
Analytical Method Cd: ***QRAA:*** 0
Qualifier: < ***Units:*** NG/L
Value: 2 ***Date:*** 6/30/2023
Chemical Name: Perfluorooctanoic acid
Regional Board:
Treated Drinking Water Dt:
Treated Drinking Water Qualifi:
Treated Drinking Water Reporti:
Treatd Drinking Water Sample:
Treated Drinking Water Units:
Treated Drinking Water Value:

Sample ID: ***Lab Notes:***
Matrix: Liquid ***Reporting Limit:*** 2
Chemical: 9-Cl-PF3ONS ***Detection Limit:***
Analytical Method Cd: EPA 533 ***QRAA:***
Qualifier: < ***Units:*** NG/L
Value: 2 ***Date:*** 9/15/2023
Chemical Name: 9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid
Regional Board:
Treated Drinking Water Dt:
Treated Drinking Water Qualifi:
Treated Drinking Water Reporti:
Treatd Drinking Water Sample:
Treated Drinking Water Units:
Treated Drinking Water Value:

Sample ID: ***Lab Notes:***
Matrix: Liquid ***Reporting Limit:*** 2
Chemical: PFDA ***Detection Limit:***
Analytical Method Cd: EPA 533 ***QRAA:***
Qualifier: < ***Units:*** NG/L
Value: 2 ***Date:*** 6/30/2023
Chemical Name: Perfluorodecanoic acid
Regional Board:
Treated Drinking Water Dt:
Treated Drinking Water Qualifi:
Treated Drinking Water Reporti:
Treatd Drinking Water Sample:
Treated Drinking Water Units:
Treated Drinking Water Value:

Sample ID: ***Lab Notes:***
Matrix: Liquid ***Reporting Limit:*** 2
Chemical: PFDoDA ***Detection Limit:***
Analytical Method Cd: EPA 533 ***QRAA:***
Qualifier: < ***Units:*** NG/L
Value: 2 ***Date:*** 6/30/2023

Chemical Name: Perfluorododecanoic acid
Regional Board:
Treated Drinking Water Dt:
Treated Drinking Water Qualifi:
Treated Drinking Water Reporti:
Treatd Drinking Water Sample:
Treated Drinking Water Units:
Treated Drinking Water Value:

Sample ID:
Matrix: Liquid
Chemical: NFDHA
Analytical Method Cd: EPA 533
Qualifier: <
Value: 2
Lab Notes:
Reporting Limit: 2
Detection Limit:
QRAA:
Units: NG/L
Date: 6/30/2023
Chemical Name: Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)
Regional Board:
Treated Drinking Water Dt:
Treated Drinking Water Qualifi:
Treated Drinking Water Reporti:
Treatd Drinking Water Sample:
Treated Drinking Water Units:
Treated Drinking Water Value:

Sample ID:
Matrix: Liquid
Chemical: PFHxS
Analytical Method Cd:
Qualifier: <
Value: 2
Lab Notes:
Reporting Limit:
Detection Limit:
QRAA: 0
Units: NG/L
Date: 12/4/2023
Chemical Name: Perfluorohexanesulfonic acid
Regional Board:
Treated Drinking Water Dt:
Treated Drinking Water Qualifi:
Treated Drinking Water Reporti:
Treatd Drinking Water Sample:
Treated Drinking Water Units:
Treated Drinking Water Value:

Sample ID:
Matrix: Liquid
Chemical: PFEESA
Analytical Method Cd: EPA 533
Qualifier: <
Value: 1.9
Lab Notes:
Reporting Limit: 1.9
Detection Limit:
QRAA:
Units: NG/L
Date: 3/6/2023
Chemical Name: Perfluoro(2-ethoxyethane) sulfonic acid (PFEESA)
Regional Board:
Treated Drinking Water Dt:
Treated Drinking Water Qualifi:
Treated Drinking Water Reporti:
Treatd Drinking Water Sample:
Treated Drinking Water Units:
Treated Drinking Water Value:

Sample ID:
Matrix: Liquid
Chemical: PFOA
Analytical Method Cd:
Qualifier: <
Value: 1.9
Lab Notes:
Reporting Limit:
Detection Limit:
QRAA: 0
Units: NG/L
Date: 3/6/2023
Chemical Name: Perfluorooctanoic acid
Regional Board:
Treated Drinking Water Dt:
Treated Drinking Water Qualifi:
Treated Drinking Water Reporti:
Treatd Drinking Water Sample:
Treated Drinking Water Units:
Treated Drinking Water Value:

Sample ID:		**Lab Notes:**	
Matrix:	Liquid	**Reporting Limit:**	2
Chemical:	4:2 FTS	**Detection Limit:**	
Analytical Method Cd:	EPA 533	**QRAA:**	
Qualifier:	<	**Units:**	NG/L
Value:	2	**Date:**	6/30/2023
Chemical Name:	4:2 Fluorotelomer sulfonic acid (1H, 1H, 2H, 2H-Perfluorohexanesulfonic acid)		
Regional Board:			
Treated Drinking Water Dt:			
Treated Drinking Water Qualifi:			
Treated Drinking Water Reporti:			
Treatd Drinking Water Sample:			
Treated Drinking Water Units:			
Treated Drinking Water Value:			

Sample ID:		**Lab Notes:**	
Matrix:	Liquid	**Reporting Limit:**	2
Chemical:	NFDHA	**Detection Limit:**	
Analytical Method Cd:	EPA 533	**QRAA:**	
Qualifier:	<	**Units:**	NG/L
Value:	2	**Date:**	12/4/2023
Chemical Name:	Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)		
Regional Board:			
Treated Drinking Water Dt:			
Treated Drinking Water Qualifi:			
Treated Drinking Water Reporti:			
Treatd Drinking Water Sample:			
Treated Drinking Water Units:			
Treated Drinking Water Value:			

Sample ID:		**Lab Notes:**	
Matrix:	Liquid	**Reporting Limit:**	2
Chemical:	6:2 FTS	**Detection Limit:**	
Analytical Method Cd:	EPA 533	**QRAA:**	
Qualifier:	<	**Units:**	NG/L
Value:	2	**Date:**	9/15/2023
Chemical Name:	6:2 Fluorotelomer sulfonic acid (1H,1H,2H,2H-Perfluorooctanesulfonic acid)		
Regional Board:			
Treated Drinking Water Dt:			
Treated Drinking Water Qualifi:			
Treated Drinking Water Reporti:			
Treatd Drinking Water Sample:			
Treated Drinking Water Units:			
Treated Drinking Water Value:			

Sample ID:		**Lab Notes:**	
Matrix:	Liquid	**Reporting Limit:**	2
Chemical:	PFBS	**Detection Limit:**	
Analytical Method Cd:	EPA 533	**QRAA:**	2
Qualifier:	<	**Units:**	NG/L
Value:	2	**Date:**	6/30/2023
Chemical Name:	Perfluorobutanesulfonic acid		
Regional Board:			
Treated Drinking Water Dt:			
Treated Drinking Water Qualifi:			
Treated Drinking Water Reporti:			
Treatd Drinking Water Sample:			
Treated Drinking Water Units:			
Treated Drinking Water Value:			

Sample ID:		**Lab Notes:**	
Matrix:	Liquid	**Reporting Limit:**	2
Chemical:	PFHxA	**Detection Limit:**	
Analytical Method Cd:	EPA 533	**QRAA:**	
Qualifier:	<	**Units:**	NG/L
Value:	2	**Date:**	6/30/2023
Chemical Name:	Perfluorohexanoic acid		
Regional Board:			
Treated Drinking Water Dt:			

Treated Drinking Water Qualifi:
Treated Drinking Water Reporti:
Treatd Drinking Water Sample:
Treated Drinking Water Units:
Treated Drinking Water Value:

Sample ID:
Matrix: Liquid
Chemical: PFHpS
Analytical Method Cd: EPA 533
Qualifier: <
Value: 2
Chemical Name: Perfluoroheptanesulfonic acid
Regional Board:
Treated Drinking Water Dt:
Treated Drinking Water Qualifi:
Treated Drinking Water Reporti:
Treatd Drinking Water Sample:
Treated Drinking Water Units:
Treated Drinking Water Value:
Lab Notes:
Reporting Limit: 2
Detection Limit:
QRAA:
Units: NG/L
Date: 9/15/2023

Sample ID:
Matrix: Liquid
Chemical: PFPeA
Analytical Method Cd: EPA 533
Qualifier: <
Value: 1.9
Chemical Name: Perfluoropentanoic acid
Regional Board:
Treated Drinking Water Dt:
Treated Drinking Water Qualifi:
Treated Drinking Water Reporti:
Treatd Drinking Water Sample:
Treated Drinking Water Units:
Treated Drinking Water Value:
Lab Notes:
Reporting Limit: 1.9
Detection Limit:
QRAA:
Units: NG/L
Date: 3/6/2023

Sample ID:
Matrix: Liquid
Chemical: PFHpS
Analytical Method Cd: EPA 533
Qualifier: <
Value: 1.9
Chemical Name: Perfluoroheptanesulfonic acid
Regional Board:
Treated Drinking Water Dt:
Treated Drinking Water Qualifi:
Treated Drinking Water Reporti:
Treatd Drinking Water Sample:
Treated Drinking Water Units:
Treated Drinking Water Value:
Lab Notes:
Reporting Limit: 1.9
Detection Limit:
QRAA:
Units: NG/L
Date: 3/6/2023

Sample ID:
Matrix: Liquid
Chemical: PFDA
Analytical Method Cd: EPA 533
Qualifier: <
Value: 2
Chemical Name: Perfluorodecanoic acid
Regional Board:
Treated Drinking Water Dt:
Treated Drinking Water Qualifi:
Treated Drinking Water Reporti:
Treatd Drinking Water Sample:
Treated Drinking Water Units:
Treated Drinking Water Value:
Lab Notes:
Reporting Limit: 2
Detection Limit:
QRAA:
Units: NG/L
Date: 9/15/2023

Sample ID:
Matrix: Liquid
Chemical: PFUnDA
Lab Notes:
Reporting Limit: 2
Detection Limit:

Analytical Method Cd: EPA 533 **QRAA:**
Qualifier: < **Units:** NG/L
Value: 2 **Date:** 12/4/2023
Chemical Name: Perfluoroundecanoic acid
Regional Board:
Treated Drinking Water Dt:
Treated Drinking Water Qualifi:
Treated Drinking Water Reporti:
Treatd Drinking Water Sample:
Treated Drinking Water Units:
Treated Drinking Water Value:

Sample ID: **Lab Notes:**
Matrix: Liquid **Reporting Limit:** 2
Chemical: PFPeA **Detection Limit:**
Analytical Method Cd: EPA 533 **QRAA:**
Qualifier: < **Units:** NG/L
Value: 2 **Date:** 6/30/2023
Chemical Name: Perfluoropentanoic acid
Regional Board:
Treated Drinking Water Dt:
Treated Drinking Water Qualifi:
Treated Drinking Water Reporti:
Treatd Drinking Water Sample:
Treated Drinking Water Units:
Treated Drinking Water Value:

Sample ID: **Lab Notes:**
Matrix: Liquid **Reporting Limit:** 2
Chemical: 8:2 FTS **Detection Limit:**
Analytical Method Cd: EPA 533 **QRAA:**
Qualifier: < **Units:** NG/L
Value: 2 **Date:** 12/4/2023
Chemical Name: 8:2 Fluorotelomer sulfonic acid (1H, 1H, 2H, 2H-Perfluorodecanesulfonic acid)
Regional Board:
Treated Drinking Water Dt:
Treated Drinking Water Qualifi:
Treated Drinking Water Reporti:
Treatd Drinking Water Sample:
Treated Drinking Water Units:
Treated Drinking Water Value:

Sample ID: **Lab Notes:**
Matrix: Liquid **Reporting Limit:** 2
Chemical: PFBA **Detection Limit:**
Analytical Method Cd: EPA 533 **QRAA:**
Qualifier: < **Units:** NG/L
Value: 2 **Date:** 12/4/2023
Chemical Name: Perfluorobutanoic acid
Regional Board:
Treated Drinking Water Dt:
Treated Drinking Water Qualifi:
Treated Drinking Water Reporti:
Treatd Drinking Water Sample:
Treated Drinking Water Units:
Treated Drinking Water Value:

Sample ID: **Lab Notes:**
Matrix: Liquid **Reporting Limit:** 2
Chemical: 4:2 FTS **Detection Limit:**
Analytical Method Cd: EPA 533 **QRAA:**
Qualifier: < **Units:** NG/L
Value: 2 **Date:** 12/4/2023
Chemical Name: 4:2 Fluorotelomer sulfonic acid (1H, 1H, 2H, 2H-Perfluorohexanesulfonic acid)
Regional Board:
Treated Drinking Water Dt:
Treated Drinking Water Qualifi:
Treated Drinking Water Reporti:
Treatd Drinking Water Sample:

Treated Drinking Water Units:
Treated Drinking Water Value:

Sample ID: ***Lab Notes:***
Matrix: Liquid ***Reporting Limit:*** 2
Chemical: PFBS ***Detection Limit:***
Analytical Method Cd: EPA 533 ***QRAA:*** 2
Qualifier: < ***Units:*** NG/L
Value: 2 ***Date:*** 12/4/2023
Chemical Name: Perfluorobutanesulfonic acid
Regional Board:
Treated Drinking Water Dt:
Treated Drinking Water Qualifi:
Treated Drinking Water Reporti:
Treatd Drinking Water Sample:
Treated Drinking Water Units:
Treated Drinking Water Value:

Sample ID: ***Lab Notes:***
Matrix: Liquid ***Reporting Limit:*** 2
Chemical: PFHpA ***Detection Limit:***
Analytical Method Cd: EPA 533 ***QRAA:***
Qualifier: < ***Units:*** NG/L
Value: 2 ***Date:*** 12/4/2023
Chemical Name: Perfluoroheptanoic acid
Regional Board:
Treated Drinking Water Dt:
Treated Drinking Water Qualifi:
Treated Drinking Water Reporti:
Treatd Drinking Water Sample:
Treated Drinking Water Units:
Treated Drinking Water Value:

Sample ID: ***Lab Notes:***
Matrix: Liquid ***Reporting Limit:*** 2
Chemical: 8:2 FTS ***Detection Limit:***
Analytical Method Cd: EPA 533 ***QRAA:***
Qualifier: < ***Units:*** NG/L
Value: 2 ***Date:*** 9/15/2023
Chemical Name: 8:2 Fluorotelomer sulfonic acid (1H, 1H, 2H, 2H-Perfluorodecanesulfonic acid)
Regional Board:
Treated Drinking Water Dt:
Treated Drinking Water Qualifi:
Treated Drinking Water Reporti:
Treatd Drinking Water Sample:
Treated Drinking Water Units:
Treated Drinking Water Value:

Sample ID: ***Lab Notes:***
Matrix: Liquid ***Reporting Limit:*** 2
Chemical: PFDoDA ***Detection Limit:***
Analytical Method Cd: EPA 533 ***QRAA:***
Qualifier: < ***Units:*** NG/L
Value: 2 ***Date:*** 9/15/2023
Chemical Name: Perfluorododecanoic acid
Regional Board:
Treated Drinking Water Dt:
Treated Drinking Water Qualifi:
Treated Drinking Water Reporti:
Treatd Drinking Water Sample:
Treated Drinking Water Units:
Treated Drinking Water Value:

Sample ID: ***Lab Notes:***
Matrix: Liquid ***Reporting Limit:***
Chemical: PFOS ***Detection Limit:***
Analytical Method Cd: ***QRAA:*** 0
Qualifier: < ***Units:*** NG/L
Value: 1.9 ***Date:*** 3/6/2023

Chemical Name: Perfluorooctane sulfonic acid (PFOS)
Regional Board:
Treated Drinking Water Dt:
Treated Drinking Water Qualifi:
Treated Drinking Water Reporti:
Treatd Drinking Water Sample:
Treated Drinking Water Units:
Treated Drinking Water Value:

Sample ID:
Matrix: Liquid
Chemical: HFPO-DA
Analytical Method Cd: EPA 533
Qualifier: <
Value: 2
Lab Notes:
Reporting Limit: 2
Detection Limit:
QRAA:
Units: NG/L
Date: 6/30/2023
Chemical Name: 2,3,3,3-tetrafluoro-2-(1,1,2,2,3,3,3-heptafluoropropoxy) propanoic acid
Regional Board:
Treated Drinking Water Dt:
Treated Drinking Water Qualifi:
Treated Drinking Water Reporti:
Treatd Drinking Water Sample:
Treated Drinking Water Units:
Treated Drinking Water Value:

Sample ID:
Matrix: Liquid
Chemical: PFHxS
Analytical Method Cd:
Qualifier: <
Value: 2
Lab Notes:
Reporting Limit:
Detection Limit:
QRAA: 0
Units: NG/L
Date: 9/15/2023
Chemical Name: Perfluorohexanesulfonic acid
Regional Board:
Treated Drinking Water Dt:
Treated Drinking Water Qualifi:
Treated Drinking Water Reporti:
Treatd Drinking Water Sample:
Treated Drinking Water Units:
Treated Drinking Water Value:

Sample ID:
Matrix: Liquid
Chemical: PFMPA
Analytical Method Cd: EPA 533
Qualifier: <
Value: 1.9
Lab Notes:
Reporting Limit: 1.9
Detection Limit:
QRAA:
Units: NG/L
Date: 3/6/2023
Chemical Name: Perfluoro-3-methoxypropanoic acid (PFMPA)
Regional Board:
Treated Drinking Water Dt:
Treated Drinking Water Qualifi:
Treated Drinking Water Reporti:
Treatd Drinking Water Sample:
Treated Drinking Water Units:
Treated Drinking Water Value:

Sample ID:
Matrix: Liquid
Chemical: HFPO-DA
Analytical Method Cd: EPA 533
Qualifier: <
Value: 2
Lab Notes:
Reporting Limit: 2
Detection Limit:
QRAA:
Units: NG/L
Date: 9/15/2023
Chemical Name: 2,3,3,3-tetrafluoro-2-(1,1,2,2,3,3,3-heptafluoropropoxy) propanoic acid
Regional Board:
Treated Drinking Water Dt:
Treated Drinking Water Qualifi:
Treated Drinking Water Reporti:
Treatd Drinking Water Sample:
Treated Drinking Water Units:
Treated Drinking Water Value:

Sample ID:		**Lab Notes:**	
Matrix:	Liquid	**Reporting Limit:**	1.9
Chemical:	9-Cl-PF3ONS	**Detection Limit:**	
Analytical Method Cd:	EPA 533	**QRAA:**	
Qualifier:	<	**Units:**	NG/L
Value:	1.9	**Date:**	3/6/2023
Chemical Name:	9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid		
Regional Board:			
Treated Drinking Water Dt:			
Treated Drinking Water Qualifi:			
Treated Drinking Water Reporti:			
Treatd Drinking Water Sample:			
Treated Drinking Water Units:			
Treated Drinking Water Value:			

Sample ID:		**Lab Notes:**	
Matrix:	Liquid	**Reporting Limit:**	
Chemical:	PFOA	**Detection Limit:**	
Analytical Method Cd:		**QRAA:**	0
Qualifier:	<	**Units:**	NG/L
Value:	2	**Date:**	12/4/2023
Chemical Name:	Perfluorooctanoic acid		
Regional Board:			
Treated Drinking Water Dt:			
Treated Drinking Water Qualifi:			
Treated Drinking Water Reporti:			
Treatd Drinking Water Sample:			
Treated Drinking Water Units:			
Treated Drinking Water Value:			

Sample ID:		**Lab Notes:**	
Matrix:	Liquid	**Reporting Limit:**	2
Chemical:	PFPeA	**Detection Limit:**	
Analytical Method Cd:	EPA 533	**QRAA:**	
Qualifier:	<	**Units:**	NG/L
Value:	2	**Date:**	9/15/2023
Chemical Name:	Perfluoropentanoic acid		
Regional Board:			
Treated Drinking Water Dt:			
Treated Drinking Water Qualifi:			
Treated Drinking Water Reporti:			
Treatd Drinking Water Sample:			
Treated Drinking Water Units:			
Treated Drinking Water Value:			

Sample ID:		**Lab Notes:**	
Matrix:	Liquid	**Reporting Limit:**	2
Chemical:	NFDHA	**Detection Limit:**	
Analytical Method Cd:	EPA 533	**QRAA:**	
Qualifier:	<	**Units:**	NG/L
Value:	2	**Date:**	9/15/2023
Chemical Name:	Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)		
Regional Board:			
Treated Drinking Water Dt:			
Treated Drinking Water Qualifi:			
Treated Drinking Water Reporti:			
Treatd Drinking Water Sample:			
Treated Drinking Water Units:			
Treated Drinking Water Value:			

Sample ID:		**Lab Notes:**	
Matrix:	Liquid	**Reporting Limit:**	1.9
Chemical:	HFPO-DA	**Detection Limit:**	
Analytical Method Cd:	EPA 533	**QRAA:**	
Qualifier:	<	**Units:**	NG/L
Value:	1.9	**Date:**	3/6/2023
Chemical Name:	2,3,3,3-tetrafluoro-2-(1,1,2,2,3,3,3-heptafluoropropoxy) propanoic acid		
Regional Board:			
Treated Drinking Water Dt:			

Treated Drinking Water Qualifi:
Treated Drinking Water Reporti:
Treatd Drinking Water Sample:
Treated Drinking Water Units:
Treated Drinking Water Value:

Sample ID: ***Lab Notes:***
Matrix: Liquid ***Reporting Limit:*** 2
Chemical: PFMPA ***Detection Limit:***
Analytical Method Cd: EPA 533 ***QRAA:***
Qualifier: < ***Units:*** NG/L
Value: 2 ***Date:*** 12/4/2023
Chemical Name: Perfluoro-3-methoxypropanoic acid (PFMPA)
Regional Board:
Treated Drinking Water Dt:
Treated Drinking Water Qualifi:
Treated Drinking Water Reporti:
Treatd Drinking Water Sample:
Treated Drinking Water Units:
Treated Drinking Water Value:

Sample ID: ***Lab Notes:***
Matrix: Liquid ***Reporting Limit:*** 1.9
Chemical: 11-Cl-PF3OUdS ***Detection Limit:***
Analytical Method Cd: EPA 533 ***QRAA:***
Qualifier: < ***Units:*** NG/L
Value: 1.9 ***Date:*** 3/6/2023
Chemical Name: 11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid
Regional Board:
Treated Drinking Water Dt:
Treated Drinking Water Qualifi:
Treated Drinking Water Reporti:
Treatd Drinking Water Sample:
Treated Drinking Water Units:
Treated Drinking Water Value:

Sample ID: ***Lab Notes:***
Matrix: Liquid ***Reporting Limit:*** 2
Chemical: PFUnDA ***Detection Limit:***
Analytical Method Cd: EPA 533 ***QRAA:***
Qualifier: < ***Units:*** NG/L
Value: 2 ***Date:*** 6/30/2023
Chemical Name: Perfluoroundecanoic acid
Regional Board:
Treated Drinking Water Dt:
Treated Drinking Water Qualifi:
Treated Drinking Water Reporti:
Treatd Drinking Water Sample:
Treated Drinking Water Units:
Treated Drinking Water Value:

Sample ID: ***Lab Notes:***
Matrix: Liquid ***Reporting Limit:*** 2
Chemical: 4:2 FTS ***Detection Limit:***
Analytical Method Cd: EPA 533 ***QRAA:***
Qualifier: < ***Units:*** NG/L
Value: 2 ***Date:*** 9/15/2023
Chemical Name: 4:2 Fluorotelomer sulfonic acid (1H, 1H, 2H, 2H-Perfluorohexanesulfonic acid)
Regional Board:
Treated Drinking Water Dt:
Treated Drinking Water Qualifi:
Treated Drinking Water Reporti:
Treatd Drinking Water Sample:
Treated Drinking Water Units:
Treated Drinking Water Value:

Sample ID: ***Lab Notes:***
Matrix: Liquid ***Reporting Limit:*** 2
Chemical: PFEESA ***Detection Limit:***

Analytical Method Cd: EPA 533 **QRAA:**
Qualifier: < **Units:** NG/L
Value: 2 **Date:** 12/4/2023
Chemical Name: Perfluoro(2-ethoxyethane) sulfonic acid (PFEESA)
Regional Board:
Treated Drinking Water Dt:
Treated Drinking Water Qualifi:
Treated Drinking Water Reporti:
Treatd Drinking Water Sample:
Treated Drinking Water Units:
Treated Drinking Water Value:

Sample ID: **Lab Notes:**
Matrix: Liquid **Reporting Limit:** 2
Chemical: PFHpA **Detection Limit:**
Analytical Method Cd: EPA 533 **QRAA:**
Qualifier: < **Units:** NG/L
Value: 2 **Date:** 9/15/2023
Chemical Name: Perfluoroheptanoic acid
Regional Board:
Treated Drinking Water Dt:
Treated Drinking Water Qualifi:
Treated Drinking Water Reporti:
Treatd Drinking Water Sample:
Treated Drinking Water Units:
Treated Drinking Water Value:

Sample ID: **Lab Notes:**
Matrix: Liquid **Reporting Limit:** 2
Chemical: PFMPA **Detection Limit:**
Analytical Method Cd: EPA 533 **QRAA:**
Qualifier: < **Units:** NG/L
Value: 2 **Date:** 6/30/2023
Chemical Name: Perfluoro-3-methoxypropanoic acid (PFMPA)
Regional Board:
Treated Drinking Water Dt:
Treated Drinking Water Qualifi:
Treated Drinking Water Reporti:
Treatd Drinking Water Sample:
Treated Drinking Water Units:
Treated Drinking Water Value:

Sample ID: **Lab Notes:**
Matrix: Liquid **Reporting Limit:** 1.9
Chemical: PFMBA **Detection Limit:**
Analytical Method Cd: EPA 533 **QRAA:**
Qualifier: < **Units:** NG/L
Value: 1.9 **Date:** 3/6/2023
Chemical Name: Perfluoro-4-methoxybutanoic acid (PFMBA)
Regional Board:
Treated Drinking Water Dt:
Treated Drinking Water Qualifi:
Treated Drinking Water Reporti:
Treatd Drinking Water Sample:
Treated Drinking Water Units:
Treated Drinking Water Value:

10	***1 of1***	***NNW***	***0.65 / 3,442.18***	***272.99 / 8***	***LEON'S PLACE AND FIX IT EAST OF NORTH GATEWAY DR/HIGHWAY 99 JCT MADERA CA 93637***	***ENVIROSTOR***

Envirostor ID: 20500003
Site History:

Facilities Details

Estor/EPA ID:	20500003	**Site Code:**	
Program Type:	HISTORICAL	**APN:**	NONE SPECIFIED
Program Type1:		**Assembly District:**	
Status:	REFER: OTHER AGENCY	**Census Tract:**	
Site Facility Name:	LEON'S PLACE AND FIX IT	**Funding:**	
Site Type:	* HISTORICAL	**Office:**	CLEANUP SACRAMENTO
Address Desc:	EAST OF NORTH GATEWAY DR/HIGHWAY 99 JCT	**Project Manager:**	
City:	MADERA	**Special Program:**	* RURAL COUNTY SURVEY PROGRAM
County:	MADERA	**Supervisor:**	
Zip:	93637	**Senate District:**	
Acres:	NONE SPECIFIED		

Public Participation Specialis:
Cal Enviro Screen Score:
National Priority List: NO
Past Use that Caused Contam: NONE SPECIFIED
Permit Renewal Lead:
Cleanup Oversight Agencies: NONE SPECIFIED
Cleanup Status: REFER: OTHER AGENCY AS OF 11/16/1994
Potential Conta of Conc: NONE SPECIFIED
Potential Media Affected: NONE SPECIFIED
School District:
Summary Link: https://www.envirostor.dtsc.ca.gov/public/profile_report?global_id=20500003

Completed Activities

Title: Discovery
Title Link:
Area Name:
Area Link:
Sub Area:
Sub Area Link:
Document Type: * Discovery
Date Completed: 10/7/1988
Comments: FACILITY IDENTIFIED BY DEPARTMENT OF HEALTH SERVICES (DHS) DRIVE BY. FACILITY DRIVE BY: STAINED GROUND. GROUND PHOTOS.
Activity Type: Completed Activities

Title: Site Screening
Title Link:
Area Name:
Area Link:
Sub Area:
Sub Area Link:
Document Type: Site Screening
Date Completed: 1/24/1989
Comments: SITE SCREENING DONE. RATIONALE FOR PRELIMINARY ASSESSMENT LOW PRIORITY IS BASED ON BUSINESS TYPE AND DEPARTRMENT OF HEALTH SERVICES DRIVEBY. SEND QUESTIONNAIRE.
Activity Type: Completed Activities

Sites Details

Status:	Refer: Other Agency	**Assembly:**	
Status Date:	11/16/1994	**Division Branch:**	Cleanup Sacramento
Site Code:		**Funding:**	
Site Type:	Historical	**Lead Agency:**	NONE SPECIFIED
Site Type Detailed:	* Historical	**Project Manager:**	
Special Program:	* Rural County Survey Program	**Supervisor:**	Referred - Not Assigned
City:	MADERA	**Restricted Use:**	NO
County:	MADERA	**Senate:**	
Congres Dis:		**Site Mgmt Req:**	NONE SPECIFIED
State :	CA	**Acres:**	
Latitude:	0	**Zip:**	93637
Longitude:	0		

Address: EAST OF NORTH GATEWAY DR/HIGHWAY 99 JCT
National Priorities List: NO

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

APN: NONE SPECIFIED
Confirmed Coc: NONE SPECIFIED
Past Uses: NONE SPECIFIED
Potential Coc: NONE SPECIFIED
Potential Media Affected: NONE SPECIFIED
Project Name: LEON'S PLACE AND FIX IT
Regulatory Agencies Involved: NONE SPECIFIED

11	*1 of1*	*WNW*	*0.80 / 4,248.02*	*266.32 / 1*	***CALTRANS CORPORATION YARD - MADERA*** ***125 ALMOND AVENUE*** ***MADERA CA 93637***	***ENVIROSTOR***

Envirostor ID: 20160003
Site History:

Facilities Details

Estor/EPA ID: 20160003
Program Type: HISTORICAL
Program Type1:
Status: REFER: OTHER AGENCY
Site Facility Name: CALTRANS CORPORATION YARD - MADERA
Site Type: * HISTORICAL
Address Desc: 125 ALMOND AVENUE
City: MADERA
County: MADERA
Zip: 93637
Acres: NONE SPECIFIED
Site Code:
APN: NONE SPECIFIED
Assembly District: 27
Census Tract: 6039000502
Funding:
Office: CLEANUP SACRAMENTO
Project Manager:
Special Program: * RURAL COUNTY SURVEY PROGRAM
Supervisor:
Senate District: 14
Public Participation Specialis:
Cal Enviro Screen Score: 95-100%
National Priority List: NO
Past Use that Caused Contam: NONE SPECIFIED
Permit Renewal Lead:
Cleanup Oversight Agencies: NONE SPECIFIED
Cleanup Status: REFER: OTHER AGENCY AS OF 11/16/1994
Potential Conta of Conc: NONE SPECIFIED
Potential Media Affected: NONE SPECIFIED
School District:
Summary Link: https://www.envirostor.dtsc.ca.gov/public/profile_report?global_id=20160003

Completed Activities

Title: Site Screening
Title Link:
Area Name:
Area Link:
Sub Area:
Sub Area Link:
Document Type: Site Screening
Date Completed: 10/22/1988
Comments:
Activity Type: Completed Activities

Title: Discovery
Title Link:
Area Name:
Area Link:
Sub Area:
Sub Area Link:
Document Type: * Discovery
Date Completed: 10/22/1988
Comments: FACILITY IDENTIFIED BY DEPARTMENT OF HEALTH SERVICES DRIVEBY. FACILITY DRIVE-BY: YARD FENCED & PAVED - NO VISIBLE PROBLEMS. GROUND PHOTOS. SITE SCREENING DONE.RATIONALE

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Activity Type: FOR PRELIMINARY ASSESSMENT LOW PRIORITY BASED ON BUSINESS TYPE. SEND QUESTIONNAIRE.
Completed Activities

Sites Details

Status:	Refer: Other Agency	***Assembly:***	27
Status Date:	11/16/1994	***Division Branch:***	Cleanup Sacramento
Site Code:		***Funding:***	
Site Type:	Historical	***Lead Agency:***	NONE SPECIFIED
Site Type Detailed:	* Historical	***Project Manager:***	
Special Program:	* Rural County Survey Program	***Supervisor:***	Referred - Not Assigned
City:	MADERA	***Restricted Use:***	NO
County:	MADERA	***Senate:***	14
Congres Dis:	13	***Site Mgmt Req:***	NONE SPECIFIED
State :	CA	***Acres:***	
Latitude:	36.9455977	***Zip:***	93637
Longitude:	-120.0555643		

Address: 125 ALMOND AVENUE
National Priorities List: NO
APN: NONE SPECIFIED
Confirmed Coc: NONE SPECIFIED
Past Uses: NONE SPECIFIED
Potential Coc: NONE SPECIFIED
Potential Media Affected: NONE SPECIFIED
Project Name: CALTRANS CORPORATION YARD - MADERA
Regulatory Agencies Involved: NONE SPECIFIED

12	1 of1	NNW	0.99 / 5,242.91	271.46 / 6	***MADERA AUTOMATIC TRANSMISSION*** ***905 SOUTH GATEWAY DRIVE*** ***MADERA CA 93637***	***ENVIROSTOR***

Envirostor ID: 20750006
Site History:

Facilities Details

Estor/EPA ID:	20750006	***Site Code:***	
Program Type:	HISTORICAL	***APN:***	NONE SPECIFIED
Program Type1:		***Assembly District:***	27
Status:	REFER: RCRA / HWMP	***Census Tract:***	6039000900
Site Facility Name:	MADERA AUTOMATIC TRANSMISSION	***Funding:***	
Site Type:	* HISTORICAL	***Office:***	CLEANUP SACRAMENTO
Address Desc:	905 SOUTH GATEWAY DRIVE	***Project Manager:***	
City:	MADERA	***Special Program:***	* RURAL COUNTY SURVEY PROGRAM
County:	MADERA	***Supervisor:***	
Zip:	93637	***Senate District:***	14
Acres:	NONE SPECIFIED		

Public Participation Specialis:
Cal Enviro Screen Score: 95-100%
National Priority List: NO
Past Use that Caused Contam: NONE SPECIFIED
Permit Renewal Lead:
Cleanup Oversight Agencies: NONE SPECIFIED
Cleanup Status: REFER: RCRA / HWMP AS OF 1/21/1994
Potential Conta of Conc: NONE SPECIFIED
Potential Media Affected: NONE SPECIFIED
School District:
Summary Link: https://www.envirostor.dtsc.ca.gov/public/profile_report?global_id=20750006

Completed Activities

Title: Site Screening
Title Link:

Area Name:	
Area Link:	
Sub Area:	
Sub Area Link:	
Document Type:	Site Screening
Date Completed:	12/16/1988
Comments:	SITE SCREENING DONE. RATIONALE FOR REFERRAL TO DHS ENFORCEMENT: STAINED GROUND, STORAGE OF DRUMS. PENDING STATUS UNTIL INSPECTION.
Activity Type:	Completed Activities

Title:	Discovery
Title Link:	
Area Name:	
Area Link:	
Sub Area:	
Sub Area Link:	
Document Type:	* Discovery
Date Completed:	10/6/1988
Comments:	FACILITY IDENTIFIED DEPARTMENT OF HEALTH SERVICES (DHS) DRIVEBY. FACILITY DRIVE-BY STAINED GROUND. PART OF SITE APPEARS TO BE FORMER BULK OIL FACILITY TO SOUTHEAST. BUSINESS APPEARS TO BE USING PROPERTY FOR STORAGE OF DRUMS ON SITE. GROUND PHOTOS.
Activity Type:	Completed Activities

Sites Details

Status:	Refer: RCRA / HWMP	***Assembly:***	27
Status Date:	1/21/1994	***Division Branch:***	Cleanup Sacramento
Site Code:		***Funding:***	
Site Type:	Historical	***Lead Agency:***	NONE SPECIFIED
Site Type Detailed:	* Historical	***Project Manager:***	
Special Program:	* Rural County Survey Program	***Supervisor:***	Referred - Not Assigned
City:	MADERA	***Restricted Use:***	NO
County:	MADERA	***Senate:***	14
Congres Dis:	13	***Site Mgmt Req:***	NONE SPECIFIED
State :	CA	***Acres:***	
Latitude:	36.9531393739478	***Zip:***	93637
Longitude:	-120.051647558498		
Address:	905 SOUTH GATEWAY DRIVE		
National Priorities List:	NO		
APN:	NONE SPECIFIED		
Confirmed Coc:	NONE SPECIFIED		
Past Uses:	NONE SPECIFIED		
Potential Coc:	NONE SPECIFIED		
Potential Media Affected:	NONE SPECIFIED		
Project Name:	MADERA AUTOMATIC TRANSMISSION		
Regulatory Agencies Involved:	NONE SPECIFIED		

Unplottable Summary

Total: 1 Unplottable sites

DB	Company Name/Site Name	Address	City	Zip	ERIS ID
HHSS	OAK FLAT	GOLDEN STATE HWY	NONE CA	91001	822955468

Unplottable Report

Site: ***OAK FLAT***
GOLDEN STATE HWY NONE CA 91001

HHSS

County: Los Angeles
Tank Details Microfiche: http://geotracker.waterboards.ca.gov/ustpdfs/pdf/00028e40.pdf

Appendix: Database Descriptions

Environmental Risk Information Services (ERIS) can search the following databases. The extent of historical information varies with each database and current information is determined by what is publicly available to ERIS at the time of update. ERIS updates databases as set out in ASTM Standard E1527-13 and E1527-21, Section 8.1.8 Sources of Standard Source Information:

"Government information from nongovernmental sources may be considered current if the source updates the information at least every 90 days, or, for information that is updated less frequently than quarterly by the government agency, within 90 days of the date the government agency makes the information available to the public."

Standard Environmental Record Sources

Federal

National Priority List: NPL

The U.S. Environmental Protection Agency (EPA)'s National Priorities List (NPL) includes the most serious uncontrolled or abandoned hazardous waste sites identified for possible long-term remedial action under the Superfund program, based primarily on the score a site receives from EPA's Hazard Ranking System. A site must be on the NPL to receive money from the Superfund Trust Fund for remedial action. This data includes NPL sites represented as polygons, where available, that can be sourced from the EPA NPL Superfund Site Boundaries dataset, refreshed by the Shared Enterprise Geodata and Services (SEGS), and is limited to those sites where the NPL Status reflects the site is 'Currently on the Final NPL (F)' and/or the 'Site is Part of NPL Site (A)'. These site boundaries represent the footprint of a whole site, the sum of all the Operable Units (OUs) and the current understanding of the full extent of contamination; for Federal Facility sites, the total site polygon may be the Facility boundary. As site investigation and remediation progress, OUs may be added, modified or refined. Data provided by external parties is not independently verified by EPA. This boundary data is made available to the public strictly for informational purposes. Where there is no polygon boundary data available for a given site, the site is represented as a point.

Government Publication Date: Jan 18, 2026

National Priority List - Proposed: PROPOSED NPL

Sites proposed by the U.S. Environmental Protection Agency (EPA), the state agency, or concerned citizens for addition to the National Priorities List (NPL) due to contamination by hazardous waste and identified by the EPA as a candidate for cleanup because it poses a risk to human health and/or the environment. Sites represented as polygons, where available, can be sourced from the EPA NPL Superfund Site Boundaries dataset, refreshed by the Shared Enterprise Geodata and Services (SEGS). These site boundaries represent the footprint of a whole site, the sum of all the Operable Units (OUs) and the current understanding of the full extent of contamination; for Federal Facility sites, the total site polygon may be the Facility boundary. Data provided by external parties is not independently verified by EPA. This boundary data is made available to the public strictly for informational purposes. Where there is no polygon boundary data available for a given site, the site is represented as a point.

Government Publication Date: Jan 18, 2026

Deleted NPL: DELETED NPL

Sites deleted from the U.S. Environmental Protection Agency (EPA)'s National Priorities List (NPL). The National Oil and Hazardous Substances Pollution Contingency Plan (NCP) establishes the criteria that the EPA uses to delete sites from the NPL. In accordance with 40 CFR 300.425.(e), sites may be deleted from the NPL where no further response is appropriate. Sites represented as polygons, where available, can be sourced from the EPA NPL Superfund Site Boundaries dataset, refreshed by the Shared Enterprise Geodata and Services (SEGS). These site boundaries represent the footprint of a whole site, the sum of all the Operable Units (OUs) and the current understanding of the full extent of contamination; for Federal Facility sites, the total site polygon may be the Facility boundary. Data provided by external parties is not independently verified by EPA. This boundary data is made available to the public strictly for informational purposes. Where there is no polygon boundary data available for a given site, the site is represented as a point.

Government Publication Date: Jan 18, 2026

SEMS List 8R Active Site Inventory: SEMS

The U.S. Environmental Protection Agency's (EPA) Superfund Program has deployed the Superfund Enterprise Management System (SEMS), which integrates multiple legacy systems into a comprehensive tracking and reporting tool. This inventory contains active sites evaluated by the Superfund program that are either proposed to be or are on the National Priorities List (NPL) as well as sites that are in the screening and assessment phase for possible inclusion on the NPL. The Active Site Inventory Report displays site and location information at active SEMS sites. An active site is one at which site assessment, removal, remedial, enforcement, cost recovery, or oversight activities are being planned or conducted. This data includes SEMS sites from the List 8R Active file as well as applicable sites from the EPA's Facility Registry Service map tool. This data may also include applicable sites represented as polygons sourced from the EPA NPL Superfund Site Boundaries dataset, refreshed by the Shared Enterprise Geodata and Services (SEGS), and is limited to those sites where the NPL Status reflects the site is 'Not on the NPL (N)' , 'Removed from Proposed (R)', and/or 'Pre-Proposal Site (S)'. Data provided by external parties is not independently verified by EPA. This boundary data is made available to the public strictly for informational purposes. Where there is no polygon boundary data available for a given site, the site is represented as a point.

Government Publication Date: Aug 27, 2025

SEMS List 8R Archive Sites: SEMS ARCHIVE

The U.S. Environmental Protection Agency's (EPA) Superfund Enterprise Management System (SEMS) Archived Site Inventory displays site and location information at sites archived from SEMS. An archived site is one at which EPA has determined that assessment has been completed and no further remedial action is planned under the Superfund program at this time. This data includes sites from the List 8R Archived site file. This data may also include applicable sites represented as polygons sourced from the EPA NPL Superfund Site Boundaries dataset, refreshed by the Shared Enterprise Geodata and Services (SEGS), and is limited to those sites where the NPL Status reflects the site is 'Not on the NPL (N)' , 'Removed from Proposed (R)', and/or 'Pre-Proposal Site (S)'. Data provided by external parties is not independently verified by EPA. This boundary data is made available to the public strictly for informational purposes. Where there is no polygon boundary data available for a given site, the site is represented as a point.

Government Publication Date: Aug 27, 2025

Inventory of Open Dumps, June 1985: ODI

The Resource Conservation and Recovery Act (RCRA) provides for publication of an inventory of open dumps. The Act defines "open dumps" as facilities which do not comply with EPA's "Criteria for Classification of Solid Waste Disposal Facilities and Practices" (40 CFR 257).

Government Publication Date: Jun 1985

Comprehensive Environmental Response, Compensation and Liability Information System - CERCLIS: CERCLIS

Superfund is a program administered by the United States Environmental Protection Agency (EPA) to locate, investigate, and clean up the worst hazardous waste sites throughout the United States. CERCLIS is a database of potential and confirmed hazardous waste sites at which the EPA Superfund program has some involvement. It contains sites that are either proposed to be or are on the National Priorities List (NPL) as well as sites that are in the screening and assessment phase for possible inclusion on the NPL. The EPA administers the Superfund program in cooperation with individual states and tribal governments; this database is made available by the EPA.

Government Publication Date: Oct 25, 2013

EPA Report on the Status of Open Dumps on Indian Lands: IODI

Public Law 103-399, The Indian Lands Open Dump Cleanup Act of 1994, enacted October 22, 1994, identified congressional concerns that solid waste open dump sites located on American Indian or Alaska Native (AI/AN) lands threaten the health and safety of residents of those lands and contiguous areas. The purpose of the Act is to identify the location of open dumps on Indian lands, assess the relative health and environment hazards posed by those sites, and provide financial and technical assistance to Indian tribal governments to close such dumps in compliance with Federal standards and regulations or standards promulgated by Indian Tribal governments or Alaska Native entities.

Government Publication Date: Dec 31, 1998

CERCLIS - No Further Remedial Action Planned: CERCLIS NFRAP

An archived site is one at which EPA has determined that assessment has been completed and no further remedial action is planned under the Superfund program at this time. The Archive designation means that, to the best of EPA's knowledge, assessment at a site has been completed and that EPA has determined no further steps will be taken to list this site on the National Priorities List (NPL). This decision does not necessarily mean that there is no hazard associated with a given site; it only means that, based upon available information, the location is not judged to be a potential NPL site.

Government Publication Date: Oct 25, 2013

CERCLIS Liens: CERCLIS LIENS

A Federal Superfund lien exists at any property where EPA has incurred Superfund costs to address contamination ("Superfund site") and has provided notice of liability to the property owner. A Federal CERCLA ("Superfund") lien can exist by operation of law at any site or property at which EPA has spent Superfund monies. This database is made available by the United States Environmental Protection Agency (EPA). This database was provided by the United States Environmental Protection Agency (EPA). Refer to SEMS LIEN as the current data source for Superfund Liens.

Government Publication Date: Jan 30, 2014

RCRA CORRACTS-Corrective Action: RCRA CORRACTS

RCRA Info is the U.S. Environmental Protection Agency's (EPA) comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. At these sites, the Corrective Action Program ensures that cleanups occur. EPA and state regulators work with facilities and communities to design remedies based on the contamination, geology, and anticipated use unique to each site.

Government Publication Date: Nov 30, 2025

RCRA non-CORRACTS TSD Facilities: RCRA TSD

RCRA Info is the U.S. Environmental Protection Agency's (EPA) comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. This database includes Non-Corrective Action sites that have indicated engagement in the treatment, storage, or disposal of hazardous waste which requires a RCRA hazardous waste permit.

Government Publication Date: Nov 30, 2025

RCRA Generator List: RCRA LQG

RCRA Info is the U.S. Environmental Protection Agency's (EPA) comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. RCRA Info replaces the data recording and reporting abilities of the Resource Conservation and Recovery Information System (RCRIS) and the Biennial Reporting System (BRS). A hazardous waste generator is any person or site whose processes and actions create hazardous waste (see 40 CFR 260.10). Large Quantity Generators (LQGs) generate 1,000 kilograms per month or more of hazardous waste or more than one kilogram per month of acutely hazardous waste. This list also includes RCRAInfo sites that have notified as LQGs that do not have a registered Site Manager or Certifier in RCRAInfo.

Government Publication Date: Nov 30, 2025

RCRA Small Quantity Generators List: RCRA SQG

RCRA Info is the U.S. Environmental Protection Agency's (EPA) comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. RCRA Info replaces the data recording and reporting abilities of the Resource Conservation and Recovery Information System (RCRIS) and the Biennial Reporting System (BRS). A hazardous waste generator is any person or site whose processes and actions create hazardous waste (see 40 CFR 260.10). Small Quantity Generators (SQGs) generate more than 100 kilograms, but less than 1,000 kilograms, of hazardous waste per month. This list also includes RCRAInfo sites that have notified as SQGs that do not have a registered Site Manager or Certifier in RCRAInfo.

Government Publication Date: Nov 30, 2025

RCRA Very Small Quantity Generators List: RCRA VSQG

RCRA Info is the U.S. Environmental Protection Agency's (EPA) comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. A hazardous waste generator is any person or site whose processes and actions create hazardous waste (see 40 CFR 260.10). Very Small Quantity Generators (VSQG) generate 100 kilograms or less per month of hazardous waste, or one kilogram or less per month of acutely hazardous waste. Additionally, VSQG may not accumulate more than 1,000 kilograms of hazardous waste at any time.

Government Publication Date: Nov 30, 2025

RCRA Non-Generators: RCRA NON GEN

RCRA Info is the U.S. Environmental Protection Agency's (EPA) comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. RCRA Info replaces the data recording and reporting abilities of the Resource Conservation and Recovery Information System (RCRIS) and the Biennial Reporting System (BRS). A hazardous waste generator is any person or site whose processes and actions create hazardous waste (see 40 CFR 260.10). Non-Generators do not presently generate hazardous waste.

Government Publication Date: Nov 30, 2025

RCRA Sites with Controls: RCRA CONTROLS

List of Resource Conservation and Recovery Act (RCRA) facilities with institutional controls in place. RCRA gives the U.S. Environmental Protection Agency (EPA) the authority to control hazardous waste from the "cradle-to-grave." This includes the generation, transportation, treatment, storage, and disposal of hazardous waste. RCRA also set forth a framework for the management of non-hazardous solid wastes. The 1986 amendments to RCRA enabled EPA to address environmental problems that could result from underground tanks storing petroleum and other hazardous substances.

Government Publication Date: Nov 30, 2025

Federal Engineering Controls-ECs: FED ENG

List of Engineering controls (ECs) made available by the United States Environmental Protection Agency (EPA). ECs encompass a variety of engineered and constructed physical barriers (e.g., soil capping, sub-surface venting systems, mitigation barriers, fences) to contain and/or prevent exposure to contamination on a property. The EC listing includes remedy component data from Superfund decision documents for applicable sites on the final or deleted on the National Priorities List (NPL); and sites with a Superfund Alternative Approach (SAA) Agreement in place. The only sites included that are not on the NPL; proposed for NPL; or removed from proposed NPL, are those with an SAA Agreement in place.

Government Publication Date: Jan 30, 2026

Federal Institutional Controls- ICs: FED INST

List of Institutional controls (ICs) made available by the United States Environmental Protection Agency (EPA). ICs are non-engineered instruments, such as administrative and legal controls, that help minimize the potential for human exposure to contamination and/or protect the integrity of the remedy. Although it is EPA's expectation that treatment or engineering controls will be used to address principal threat wastes and that groundwater will be returned to its beneficial use whenever practicable, ICs play an important role in site remedies because they reduce exposure to contamination by limiting land or resource use and guide human behavior at a site. The IC listing includes remedy component data from Superfund decision documents for applicable sites on the final or deleted on the National Priorities List (NPL); and sites with a Superfund Alternative Approach (SAA) Agreement in place. The only sites included that are not on the NPL; proposed for NPL; or removed from proposed NPL, are those with an SAA Agreement in place.

Government Publication Date: Jan 30, 2026

Land Use Controls Information System: LUCIS

The Land Use Controls Information System (LUCIS) database is sourced from the U.S. Department of the Navy (DON). This data contains information for former Base Realignment and Closure (BRAC) properties across the United States. DON's BRAC office was tasked with tracking certain base closures while requiring the prevention of risks to human health and the environment of those properties with LUCs in place. Regarding currently available LUC Sites data, the sites listing is limited to centroid point locations for the overall installation property boundaries. Formerly obtained LUC Sites data may reflect site details that applied previously for a BRAC property.

Government Publication Date: Jun 13, 2024

Institutional Control Boundaries at NPL sites: NPL IC

These boundaries of Institutional Control areas at sites on the U.S. Environmental Protection Agency's (EPA) National Priorities List (NPL), or as Proposed or Deleted, are sourced from the EPA NPL Superfund Site Boundaries dataset, refreshed by the Shared Enterprise Geodata and Services (SEGS). The EPA's NPL includes the most serious uncontrolled or abandoned hazardous waste sites identified for possible long-term remedial action under the Superfund program. Institutional controls are non-engineered instruments such as administrative and legal controls that help minimize the potential for human exposure to contamination and/or protect the integrity of the remedy. Data provided by external parties is not independently verified by EPA. This boundary data is made available to the public strictly for informational purposes.

Government Publication Date: Jan 18, 2026

Emergency Response Notification System: ERNS 1982 TO 1986

Database of oil and hazardous substances spill reports controlled by the National Response Center. The primary function of the National Response Center is to serve as the sole national point of contact for reporting oil, chemical, radiological, biological, and etiological discharges into the environment anywhere in the United States and its territories.

Government Publication Date: 1982-1986

Emergency Response Notification System: ERNS 1987 TO 1989

Database of oil and hazardous substances spill reports controlled by the National Response Center. The primary function of the National Response Center is to serve as the sole national point of contact for reporting oil, chemical, radiological, biological, and etiological discharges into the environment anywhere in the United States and its territories.

Government Publication Date: 1987-1989

Emergency Response Notification System: ERNS

Database of oil and hazardous substances spill reports made available by the United States Coast Guard National Response Center (NRC). The NRC fields initial reports for pollution and railroad incidents and forwards that information to appropriate federal/state agencies for response. These data contain initial incident data that has not been validated or investigated by a federal/state response agency.

Government Publication Date: Nov 30, 2025

The Assessment, Cleanup and Redevelopment Exchange System (ACRES) Brownfield Database: FED BROWNFIELDS

Brownfields are real property, the expansion, redevelopment, or reuse of which may be complicated by the presence or potential presence of a hazardous substance, pollutant, or contaminant. Cleaning up and reinvesting in these properties protects the environment, reduces blight, and takes development pressures off greenspaces and working lands. This data is provided by the United States Environmental Protection Agency (EPA) and includes Brownfield sites from the Cleanups in My Community (CIMC) web application.

Government Publication Date: Sep 8, 2025

FEMA Underground Storage Tank Listing: FEMA UST

The Federal Emergency Management Agency (FEMA) of the Department of Homeland Security maintains a list of FEMA owned underground storage tanks.

Government Publication Date: Dec 31, 2017

Facility Response Plan: FRP

This listing contains facilities that have submitted Facility Response Plans (FRPs) to the U.S. Environmental Protection Agency (EPA). Facilities that could reasonably be expected to cause "substantial harm" to the environment by discharging oil into or on navigable waters are required to prepare and submit FRPs. Harm is determined based on total oil storage capacity, secondary containment and age of tanks, oil transfer activities, history of discharges, proximity to a public drinking water intake or sensitive environments. The list includes FRP facilities sourced from the EPA FOIA office and from previously available Homeland Infrastructure Foundation-Level Data (HIFLD) file/s. Disclaimer: Per the EPA FOIA Office, the verification process for current requested FRP data is undergoing review and revision, and any similar reporting will be made public in Fiscal Year 2026. For this reason, the latest available FOIA file may be incomplete.

Government Publication Date: Jun 1, 2025

Delisted Facility Response Plans: DELISTED FRP

Facilities that once appeared in - and have since been removed from - the list of facilities that have submitted Facility Response Plans (FRP) to EPA. Facilities that could reasonably be expected to cause "substantial harm" to the environment by discharging oil into or on navigable waters are required to prepare and submit Facility Response Plans (FRPs). Harm is determined based on total oil storage capacity, secondary containment and age of tanks, oil transfer activities, history of discharges, proximity to a public drinking water intake or sensitive environments.

Government Publication Date: Jun 1, 2025

Historical Gas Stations: HIST GAS STATIONS

This historic directory of service stations is provided by the Cities Service Company. The directory includes Cities Service filling stations that were located throughout the United States in 1930.

Government Publication Date: Jul 1, 1930

Petroleum Refineries: REFN

This list of petroleum refineries is sourced from the U.S. Energy Information Administration (EIA), Refinery Capacity Report. The listing includes operating and idle petroleum refineries (including new refineries under construction) and refineries shut down during the previous year. The geographic area the report covers is the 50 States, the District of Columbia, Puerto Rico, the U.S. Virgin Islands, Guam, and other U.S. possessions. Per the EIA, the facility location data represents the approximate location based on research of publicly available information from sources such as Federal agencies, company websites, and satellite images on public websites.

Government Publication Date: Oct 31, 2024

Petroleum Product and Crude Oil Rail Terminals: BULK TERMINAL

A list of petroleum product and crude oil rail terminals from the U.S. Energy Information Administration (EIA), as well as petroleum terminals sourced from Oak Ridge National Laboratory hosted by the Homeland Infrastructure Foundation-Level Database. Data includes operable bulk petroleum product terminals with a total bulk shell storage capacity of 50,000 barrels or more, and/or the ability to receive volumes from tanker, barge, or pipeline; also rail terminals handling the loading and unloading of crude oil with activity between 2017 and 2018. EIA petroleum product terminal data comes from the EIA-815 Bulk Terminal and Blender Report, which includes working, shell in operation, and shell idle for several major product groupings.

Government Publication Date: Jun 5, 2025

LIEN on Property: SEMS LIEN

The U.S. Environmental Protection Agency's (EPA) Superfund Enterprise Management System (SEMS) provides Lien details on applicable properties, such as the Superfund lien on property activity, the lien property information, and the parties associated with the lien.

Government Publication Date: Aug 27, 2025

Superfund Decision Documents: SUPERFUND ROD

This database contains a list of decision documents for Superfund sites. Decision documents serve to provide the reasoning for the choice of (or) changes to a Superfund Site cleanup plan. The decision documents include completed Records of Decision (ROD), ROD Amendments, Explanations of Significant Differences (ESD) for active and archived sites stored in the Superfund Enterprise Management System (SEMS), along with other associated memos and files. This information is maintained and made available by the U.S. Environmental Protection Agency.

Government Publication Date: Jan 30, 2026

State

State Response Sites: RESPONSE

A list of identified confirmed release sites where the Department of Toxic Substances Control (DTSC) is involved in remediation, either in a lead or oversight capacity. These confirmed release sites are generally high-priority and high potential risk. This database serves a purpose similar to that of the federal NPL, functioning as a state-level counterpart for prioritizing cleanup efforts at hazardous substance release sites.

Government Publication Date: Oct 2, 2025

EnviroStor Database: ENVIROSTOR

The EnviroStor Data Management System is made available by the Department of Toxic Substances Control (DTSC). Includes Corrective Action sites, Tiered Permit sites, Historical Sites and Evaluation/Investigation sites. This database serves a purpose similar to that of the federal Superfund Enterprise Management System (SEMS), functioning as a state-level counterpart for tracking potential hazardous substance release sites.

Government Publication Date: Oct 2, 2025

Delisted State Response Sites: DELISTED ENVS

Sites removed from the list of State Response Sites made available by the EnviroStor Data Management System, Department of Toxic Substances Control (DTSC).

Government Publication Date: Oct 2, 2025

Solid Waste Information System (SWIS): SWF/LF

The Solid Waste Information System (SWIS) database made available by the Department of Resources Recycling and Recovery (CalRecycle) contains information on solid waste facilities, operations, and disposal sites throughout the State of California. The types of facilities found in this database include landfills, transfer stations, material recovery facilities, composting sites, transformation facilities, waste tire sites, and closed disposal sites.

Government Publication Date: Feb 20, 2026

Solid Waste Disposal Sites with Waste Constituents Above Hazardous Waste Levels: SWRCB SWF

This is a list of solid waste disposal sites identified by California State Water Resources Control Board with waste constituents above hazardous waste levels outside the waste management unit.

Government Publication Date: Sep 20, 2006

Waste Management Unit Database: WMUD

The Waste Management Unit Database System tracks and inventories waste management units. CCR Title 27 contains criteria stating that Waste Management Units are classified according to their ability to contain wastes. Containment shall be determined by geology, hydrology, topography, climatology, and other factors relating to the ability of the Unit to protect water quality. Water Code Section 13273.1 requires that operators submit a water quality solid waste assessment test (SWAT) report to address leak status. The WMUDS was last updated by the State Water Resources control board in 2000.

Government Publication Date: Jan 1, 2000

EnviroStor Hazardous Waste Facilities: HWP

A list of hazardous waste facilities including permitted, post-closure and historical facilities found in the Department of Toxic Substances Control (DTSC) EnviroStor database.

Government Publication Date: Oct 2, 2025

Sites Listed in the Solid Waste Assessment Test (SWAT) Program Report: SWAT

In a 1993 Memorandum of Understanding, the State Water Resources Control Board (SWRCB) agreed to submit a comprehensive report on the Solid Waste Assessment Test (SWAT) Program to the California Integrated Waste Management Board (CIWMB). This report summarizes the work completed to date on the SWAT Program, and addresses both the impacts that leakage from solid waste disposal sites (SWDS) may have upon waters of the State and the actions taken to address such leakage.

Government Publication Date: Dec 31, 1995

Construction and Demolition Debris Recyclers: C&D DEBRIS RECY

This listing of Construction and Demolition Debris Recyclers is maintained by the California Integrated Waste Management Board-common C&D materials include lumber, drywall, metals, masonry (brick, concrete, etc.), carpet, plastic, pipe, rocks, dirt, paper, cardboard, or green waste related to land development.

Government Publication Date: Jun 20, 2018

Recycling Centers: RECYCLING

This list of Certified Recycling Centers that are operating under the state of California's Beverage Container Recycling Program is maintained by the California Department of Resources Recycling and Recovery.

Government Publication Date: Feb 10, 2026

Listing of Certified Processors: PROCESSORS

This list of Certified Processors that are operating under the state of California's Beverage Container Recycling Program is maintained by the California Department of Resources Recycling and Recovery.

Government Publication Date: Feb 20, 2026

Listing of Certified Dropoff, Collection, and Community Service Programs: CONTAINER RECY

This list of Certified Dropoff, Collection, and Community Service Programs (non-buyback) operating under the state of California's Beverage Container Recycling Program is maintained by the California Department of Resources Recycling and Recovery.

Government Publication Date: Jul 18, 2025

Land Disposal Sites: LDS

Land Disposal Sites in GeoTracker, the State Water Resources Control Board (SWRCB)'s data management system. The Land Disposal program regulates of waste discharge to land for treatment, storage and disposal in waste management units. Waste management units include waste piles, surface impoundments, and landfills.

Government Publication Date: Aug 11, 2025

Leaking Underground Fuel Tank Reports: LUST

List of Leaking Underground Storage Tanks within the Cleanup Sites data in GeoTracker database. GeoTracker is the State Water Resources Control Board's (SWRCB) data management system for managing sites that impact groundwater, especially those that require groundwater cleanup (Underground Storage Tanks, Department of Defense and Site Cleanup Program) as well as permitted facilities such as operating Underground Storage Tanks. The Leak Prevention Program that overlooks LUST sites is the SWRCB in California's Environmental Protection Agency.

Government Publication Date: Sep 14, 2025

Delisted Leaking Storage Tanks: DELISTED LST

List of Leaking Underground Storage Tanks (LUST) cleanup sites removed from GeoTracker, the State Water Resources Control Board (SWRCB)'s database system, as well as sites removed from the SWRCB's list of UST Case closures.

Government Publication Date: Jan 27, 2026

Permitted Underground Storage Tank (UST) in GeoTracker: UST

List of Permitted Underground Storage Tank (UST) sites made available by the State Water Resources Control Board (SWRCB) in California's Environmental Protection Agency (EPA).

Government Publication Date: Nov 16, 2025

Proposed Closure of Underground Storage Tank Cases: UST CLOSURE

This listing includes Proposed Closure of Underground Storage Tank (UST) Cases which are being considered for closure by either the State Water Resources Control Board at a Future Board Meeting or the Executive Director that have been posted for a 60-day public comment period, and Closure of UST Cases with Closure Denials and Approved Orders. The lists are provided by the California Water Boards.

Government Publication Date: Jan 27, 2026

Historical Hazardous Substance Storage Information Database: HHSS

The Historical Hazardous Substance Storage database contains information collected in the 1980s from facilities that stored hazardous substances. The information was originally collected on paper forms, was later transferred to microfiche, and recently indexed as a searchable database. When using this database, please be aware that it is based upon self-reported information submitted by facilities which has not been independently verified. It is unlikely that every facility responded to the survey and the database should not be expected to be a complete inventory of all facilities that were operating at that time. This database is maintained by the California State Water Resources Control Board's (SWRCB) Geotracker.

Government Publication Date: Aug 27, 2015

Statewide Environmental Evaluation and Planning System: UST SWEEPS

The Statewide Environmental Evaluation and Planning System (SWEEPS) is a historical listing of active and inactive underground storage tanks made available by the California State Water Resources Control Board (SWRCB).

Government Publication Date: Oct 1, 1994

Aboveground Storage Tanks: AST

A statewide list from 2009 of aboveground storage tanks (ASTs) made available by the Cal FIRE Office of the State Fire Marshal (OSFM). This list is no longer maintained or updated by the Cal FIRE OSFM.

Government Publication Date: Aug 31, 2009

SWRCB Historical Aboveground Storage Tanks: AST SWRCB

A list of aboveground storage tanks made available by the California State Water Resources Control Board (SWRCB). Effective January 1, 2008, the Certified Unified Program Agencies (CUPAs) are vested with the responsibility and authority to implement the Aboveground Petroleum Storage Act (APSA).

Government Publication Date: Dec 1, 2007

Oil and Gas Facility Tanks: TANK OIL GAS

Locations of oil and gas tanks that fall under the jurisdiction of the Geologic Energy Management Division of the California Department of Conservation (CalGEM) (CCR 1760). CalGEM was formerly the Division of Oil, Gas, and Geothermal Resources (DOGGR).

Government Publication Date: Jan 16, 2026

Delisted Storage Tanks: DELISTED TNK

This database contains a list of storage tank sites that were removed by the State Water Resources Control Board (SWRCB) in California's Environmental Protection Agency (EPA) and the Cal FIRE Office of State Fire Marshal (OSFM).

Government Publication Date: Jan 16, 2026

California Environmental Reporting System (CERS) Tanks: CERS TANK

List of sites in the California Environmental Protection Agency (CalEPA) Regulated Site Portal which fall under the Aboveground Petroleum Storage and Underground Storage Tank regulatory programs. The CalEPA oversees the statewide implementation of the Unified Program which applies regulatory standards to protect Californians from hazardous waste and materials. This data also includes military underground storage tank sites sourced from the CalEPA's Water Boards' GeoTracker system.

Government Publication Date: Jan 12, 2026

Delisted California Environmental Reporting System (CERS) Tanks: DELISTED CTNK

This database contains a list of Aboveground Petroleum Storage and Underground Storage Tank sites that were removed from in the California Environmental Protection Agency (CalEPA) Regulated Site Portal.

Government Publication Date: Jan 12, 2026

Historical Hazardous Substance Storage Container Information - Facility Summary: HIST TANK

The State Water Resources Control Board maintained the Hazardous Substance Storage Containers listing and inventory in the 1980s. This facility summary lists historic tank sites where the following container types were present: farm motor vehicle fuel tanks; waste tanks; sumps; pits, ponds, lagoons, and others; and all other product tanks. This set, published in May 1988, lists facility and owner information, as well as the number of containers. This data is historic and will not be updated.

Government Publication Date: May 27, 1988

Site Mitigation and Brownfields Reuse Program Facility Sites with Land Use Restrictions: LUR

The Department of Toxic Substances Control (DTSC) Site Mitigation and Brownfields Reuse Program (SMBRP) list includes sites cleaned up under the program's oversight and generally does not include current or former hazardous waste facilities that required a hazardous waste facility permit. The list represents land use restrictions that are active. Some sites have multiple land use restrictions.

Government Publication Date: Oct 2, 2025

CALSITES Database: CALSITES

This historical database was maintained by the Department of Toxic Substance Control (DTSC) for more than a decade. CALSITES contains information on Brownfield properties with confirmed or potential hazardous contamination. In 2006, DTSC introduced EnviroStor as the latest Brownfields site database.

Government Publication Date: May 1, 2004

Hazardous Waste Management Program Facility Sites with Deed / Land Use Restrictions: HLUR

The Department of Toxic Substances Control (DTSC) Hazardous Waste Management Program (HWMP) has developed a list of current or former hazardous waste facilities that have a recorded land use restriction at the local county recorder's office. The land use restrictions on this list were required by the DTSC HWMP as a result of the presence of hazardous substances that remain on site after the facility (or part of the facility) has been closed or cleaned up. The types of land use restriction include deed notice, deed restriction, or a land use restriction that binds current and future owners.

Government Publication Date: Feb 18, 2021

Deed Restrictions and Land Use Restrictions: DEED

List of Deed Restrictions, Land Use Restrictions and Covenants in GeoTracker made available by the State Water Resources Control Board (SWRCB) in California's Environmental Protection Agency. A deed restriction (land use covenant) may be required to facilitate the remediation of past environmental contamination and to protect human health and the environment by reducing the risk of exposure to residual hazardous materials.

Government Publication Date: Sep 13, 2025

Voluntary Cleanup Program: VCP

List of sites in the Voluntary Cleanup Program made available by the Department of Toxic Substances and Control (DTSC). The Voluntary Cleanup Program was designed to respond to lower priority sites. Under the Voluntary Cleanup Program, DTSC enters site-specific agreements with project proponents for DTSC oversight of site assessment, investigation, and/or removal or remediation activities, and the project proponents agree to pay DTSC's reasonable costs for those services.

Government Publication Date: Oct 2, 2025

GeoTracker Cleanup Program Sites: CLEANUP SITES

A list of Cleanup Program sites in the state of California made available by The State Water Resources Control Board (SWRCB) of the California Environmental Protection Agency (EPA). SWRCB tracks leaking underground storage tank cleanups as well as other water board cleanups.

Government Publication Date: Aug 11, 2025

Delisted Cleanup Program Sites: DELISTED CLEANUP

A list of Cleanup Program sites which were once included - and have since been removed from - the list of Cleanup Program Sites in GeoTracker. GeoTracker is the State Water Resource Control Boards' data management system for sites that impact, or have the potential to impact, water quality in California, with emphasis on groundwater.

Government Publication Date: Sep 13, 2025

Delisted County Records: DELISTED COUNTY

Records removed from county or CUPA databases. Records may be removed from the county lists made available by the respective county departments because they are inactive, or because they have been deemed to be below reportable thresholds.

Government Publication Date: Jan 12, 2026

Delisted County Tanks: DELISTED COUNTY TANK

Storage Tank records removed from county or CUPA databases. Records may be removed from the county lists made available by the respective county departments because they are inactive, or because they have been deemed to be below reportable thresholds.

Government Publication Date: Dec 23, 2025

Delisted County Leaking Tanks: DELISTED COUNTY LTANK

Leaking Storage tank records removed from county or CUPA databases.

Government Publication Date: Dec 3, 2025

Tribal

Leaking Underground Storage Tanks on Tribal/Indian Lands: INDIAN LUST

This list of leaking underground storage tanks (LUSTs) on Tribal/Indian Lands in Region 9, which includes California, is made available by the United States Environmental Protection Agency (EPA).

Government Publication Date: Nov 21, 2025

Underground Storage Tanks on Tribal/Indian Lands: INDIAN UST

This list of underground storage tanks (USTs) on Tribal/Indian Lands in Region 9, which includes California, is made available by the United States Environmental Protection Agency (EPA).

Government Publication Date: Nov 21, 2025

Delisted Tribal Leaking Storage Tanks: DELISTED INDIAN LST

Leaking Underground Storage Tank (LUST) facilities which once appeared on - and have since been removed from - the Regional Tribal/Indian LUST lists made available by the United States Environmental Protection Agency (EPA).

Government Publication Date: Nov 21, 2025

Delisted Tribal Underground Storage Tanks: DELISTED INDIAN UST

Underground Storage Tank (UST) facilities which once appeared on - and have since been removed from - the Regional Tribal/Indian UST lists made available by the United States Environmental Protection Agency (EPA).

Government Publication Date: Nov 21, 2025

County

Madera County - CUPA Facility List: CUPA MADERA

A list of facilities associated with various Certified Unified Program Agency (CUPA) programs in Madera County. This list is made available by Madera County Environmental Health Department which is CUPA for the entire county.

Government Publication Date: Aug 25, 2022

Additional Environmental Record Sources

Federal

PFAS Greenhouse Gas Emissions Data: PFAS GHG

The U.S. Environmental Protection Agency's (EPA) Greenhouse Gas Reporting Program (GHGRP) collects Greenhouse Gas (GHG) data from large emitting facilities (25,000 metric tons of carbon dioxide equivalent (CO2e) per year), and suppliers of fossil fuels and industrial gases that results in GHG emissions when used. This dataset is sourced from the EPA's PFAS Analytic Tools, and it includes GHG emissions data for facilities that emit or have emitted since 2010 chemicals identified as PFAS based on EPA's CompTox Chemicals Dashboard lists of PFAS with defined and undefined structures. PFAS emissions data has been identified for facilities engaged in the following industrial processes: Aluminum Production (GHGRP Subpart F), HCFC-22 Production and HFC-23 Destruction (Subpart O), Electronics Manufacturing (Subpart I), Fluorinated Gas Production (Subpart L), Magnesium Production (Subpart T), Electrical Transmission and Distribution Equipment Use (Subpart DD), and Manufacture of Electric Transmission and Distribution Equipment (Subpart SS). Over time, other industrial processes with required GHGRP reporting may include PFAS emissions data and the list of reportable gases may change over time. Note that some regulatory programs have specified chemical structure requirements that define PFAS differently than the lists in EPA's CompTox Chemicals Dashboard.

Government Publication Date: Dec 2, 2025

On-Scene Coordinator Response Sites: OSC RESPONSE

This list of On-Scene Coordinator (OSC) Response Sites is provided by the U.S. Environmental Protection Agency (EPA). OSCs are the federal officials responsible for monitoring or directing responses to all oil spills and hazardous substance releases reported to the federal government. OSCs coordinate all federal efforts with, and provide support and information to local, state, and regional response communities. An OSC is an agent of either EPA or the U.S. Coast Guard (USCG), depending on where the incident occurs. EPA's OSCs have primary responsibility for spills and releases to inland areas and waters. USCG OSCs have responsibility for coastal waters and the Great Lakes. In general, an OSC has the following key responsibilities during and after a response: Assessment, Monitoring, Response Assistance, and Evaluation.

Government Publication Date: Oct 8, 2025

Facility Registry Service/Facility Index: FINDS/FRS

The Facility Registry Service (FRS) is a centrally managed database that identifies facilities, sites, or places subject to environmental regulations or of environmental interest. FRS creates high-quality, accurate, and authoritative facility identification records through rigorous verification and management procedures that incorporate information from program national systems, state master facility records, and data collected from EPA's Central Data Exchange registrations and data management personnel. This list is made available by the U.S. Environmental Protection Agency (EPA).

Government Publication Date: Jan 1, 2026

Toxics Release Inventory (TRI) Program: TRIS

The U.S. Environmental Protection Agency's Toxics Release Inventory (TRI) is a database containing data on disposal or other releases of toxic chemicals from U.S. facilities and information about how facilities manage those chemicals through recycling, energy recovery, and treatment. There are currently 770 individually listed chemicals and 33 chemical categories covered by the TRI Program. Facilities that manufacture, process or otherwise use these chemicals in amounts above established levels must submit annual reporting forms for each chemical. Note that the TRI chemical list does not include all toxic chemicals used in the U.S. One of TRI's primary purposes is to inform communities about toxic chemical releases to the environment. This database includes TRI Reporting Data for calendar years 1987 through 2021 and Preliminary Data for 2022.

Government Publication Date: Sep 20, 2023

PFOA/PFOS Contaminated Sites: PFAS NPL

This list of Superfund Sites with Per- and Polyfluoroalkyl Substances (PFAS) detections is made available by the U.S. Environmental Protection Agency (EPA) in their PFAS Analytic Tools data, previously the list was obtained by EPA FOIA requests. EPA's Office of Land and Emergency Management and EPA Regional Offices maintain 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. Limitations: Detections of PFAS at National Priorities List (NPL) sites do not mean that people are at risk from PFAS, are exposed to PFAS, or that the site is the source of the PFAS. The information in the Superfund NPL and Superfund Alternative Agreement (SAA) PFAS detection site list is years old and may not be accurate today. Site information such as site name, site ID, and location has been confirmed for accuracy; however, PFAS-related information such as media sampled, drinking water being above the health advisory, or mitigation efforts has not been verified. For Federal Facilities data, the other Federal agencies (OFA) are the lead agency for their data and provided them to EPA.

Government Publication Date: Dec 29, 2025

Federal Agency Locations with Known or Suspected PFAS Detections: PFAS FED SITES

This list of federal agency locations with known or suspected detections of Per- and Polyfluoroalkyl Substances (PFAS) is made available by the U.S. Environmental Protection Agency's (EPA) PFAS Analytic Tools data. The EPA outlines that these data are gathered from several federal entities, such as the federal Superfund program, Department of Defense (DOD), National Aeronautics and Space Administration (NASA), Department of Transportation (DOT), and Department of Energy (DOE). The dates this data was extracted for the PFAS Analytic Tools range from 2022 to 2025 per agency entity dataset. Sites on this list do not necessarily reflect the source/s of PFAS contamination and detections do not indicate level of risk or human exposure at the site. Agricultural notifications in this data are limited to DOD sites only. At this time, the EPA is aware that this list is not comprehensive of all Federal agencies.

Government Publication Date: May 30, 2025

SSEHRI PFAS Contamination Sites: PFAS SSEHRI

This PFAS Contamination Site Tracker database is compiled by the PFAS Project Lab, part of the Social Science Environmental Health Research Institute (SSEHRI) at Northeastern University. According to the SSEHRI, the database records qualitative and quantitative data from each known site of PFAS contamination, including timeline of discovery, sources, levels, health impacts, community response, and government response. The goal of this database is to compile information and support public understanding of the rapidly unfolding issue of PFAS contamination. All data presented was extracted from government websites, news articles, or publicly available documents. Locations for the Known PFAS Contamination Sites are sourced from the PFAS Sites and Community Resources Map by the PFAS-REACH team, credited to PFAS Project Lab, Silent Spring Institute, and PFAS Exchange. Disclaimer: The source conveys the data undergoes regular updates as new information becomes available, some sites may be missing and/or contain information that is incorrect or outdated, as well as their information represents all contamination sites SSEHRI is aware of, not all possible contamination sites. This data is not intended to be used for legal purposes. Access the following source link for the most current information: https://pfasproject.com/pfas-sites-and-community-resources/

Government Publication Date: Aug 1, 2025

National Response Center PFAS Spills: PFAS ERNS

This Per- and Poly-Fluoroalkyl Substances (PFAS) Spills dataset is made available via the U.S. Environmental Protection Agency's (EPA) PFAS Analytic Tools. The National Response Center (NRC), operated by the U.S. Coast Guard, is the designated federal point of contact for reporting all oil, chemical, and other discharges into the environment, for the United States and its territories. This dataset contains NRC spill information from 1990 to the present that is restricted to records associated with PFAS and PFAS-containing materials. Incidents are filtered to include only records with a "Material Involved" or "Incident Description" related to Aqueous Film Forming Foam (AFFF). The keywords used to filter the data included "AFFF," "Fire Fighting Foam," "Aqueous Film Forming Foam," "Fire Suppressant Foam, "PFAS," "PERFL," "PFOA," "PFOS," and "Genx." Limitations: The data from the NRC website contains initial incident data that has not been validated or investigated by a federal/state response agency. Keyword searches may misidentify some incident reports that do not contain PFAS. This dataset should also not be considered to be exhaustive of all PFAS spills/release incidents.

Government Publication Date: Feb 16, 2026

PFAS NPDES Discharge Monitoring: PFAS NPDES

This list of National Pollutant Discharge Elimination System (NPDES) permitted facilities with required monitoring for Per- and Polyfluoroalkyl (PFAS) Substances is made available via the U.S. Environmental Protection Agency (EPA)'s PFAS Analytic Tools. Any point-source wastewater discharger to waters of the United States must have a NPDES permit, which defines a set of parameters for pollutants and monitoring to ensure that the discharge does not degrade water quality or impair human health. This list includes NPDES permitted facilities associated with permits that monitor for Per- and Polyfluoroalkyl Substances (PFAS), limited to the years 2007 - present. EPA further advises the following regarding these data: currently, fewer than half of states have required PFAS monitoring for at least one of their permittees, and fewer states have established PFAS effluent limits for permittees. For states that may have required monitoring, some reporting and data transfer issues may exist on a state-by-state basis.

Government Publication Date: Dec 16, 2024

Perfluorinated Alkyl Substances (PFAS) from Toxic Release Inventory: PFAS TRI

List of Toxics Release Inventory (TRI) facilities at which the reported chemical is a per- or polyfluoroalkyl (PFAS) substance included in the U.S. Environmental Protection Agency's (EPA) consolidated PFAS Master List of PFAS Substances. Encompasses Toxics Release Inventory records included in the EPA PFAS Analytic Tools. The EPA's TRI database currently tracks information on disposal or releases of 770 individually listed toxic chemicals and 33 chemical categories from thousands of U.S. facilities and details about how facilities manage those chemicals through recycling, energy recovery, and treatment. This listing includes TRI Reporting Data for calendar years 1987 through 2021 and Preliminary Data for 2022.

Government Publication Date: Sep 20, 2023

PFAS Water Quality Portal Sampling Data: PFAS WATER

This Per- and Poly-Fluoroalkyl Substances (PFAS) Environmental Media Sampling Data is made available via the U.S. Environmental Protection Agency's (EPA) PFAS Analytic Tools. The Water Quality Portal (WQP), as a cooperative service sponsored by the United States Geological Survey, the EPA, and the National Water Quality Monitoring Council, is 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. Limitations: EPA did not carry out the sampling or testing of a majority of the data in the WQP PFAS dataset. EPA can only speak to the accuracy and completeness of the data from projects like the National Aquatic Resource Surveys for which EPA is the data owner/organization. Data may exist within the file on Quality Assurance Project Plans (QAPPs) and the approving agency of the QAPP, if a QAPP is entered.

Government Publication Date: Jul 21, 2025

PFAS TSCA Manufacture and Import Facilities: PFAS TSCA

The U.S. Environmental Protection Agency (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. This list is specific only to TSCA Manufacture and Import Facilities with reported per- and poly-fluoroalkyl (PFAS) substances. Data file is sourced from EPA's PFAS Analytic Tools TSCA dataset which includes CDR/Inventory Update Reporting data from 1998 up to 2020. Disclaimer: This data file includes production and importation data for chemicals identified in EPA's CompTox Chemicals Dashboard list of PFAS without explicit structures and list of PFAS structures in DSSTox. Note that some regulations have specific chemical structure requirements that define PFAS differently than the lists in EPA's CompTox Chemicals Dashboard. Reporting information on manufactured or imported chemical substance amounts should not be compared between facilities, as some companies claim Chemical Data Reporting Rule data fields for PFAS information as Confidential Business Information.

Government Publication Date: Jan 5, 2023

PFAS Waste Transfers from RCRA e-Manifest: PFAS E-MANIFEST

This Per- and Poly-Fluoroalkyl Substances (PFAS) Waste Transfers dataset is made available via the U.S. Environmental Protection Agency's (EPA) PFAS Analytic Tools. Every shipment of hazardous waste in the U.S. must be accompanied by a shipment manifest, which is a critical component of the cradle-to-grave tracking of wastes mandated by the Resource Conservation and Recovery Act (RCRA). According to the EPA, currently no Federal Waste Code exists for any PFAS compounds. 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 Vermont state-specific waste codes). Limitations: Amount or concentration of PFAS being transferred cannot be determined from the manifest information. Keyword searches may misidentify some manifest records that do not contain PFAS. This dataset should also not be considered to be exhaustive of all PFAS waste transfers.

Government Publication Date: Nov 29, 2025

PFAS Industry Sectors: PFAS IND

This Per- and Poly-Fluoroalkyl Substances (PFAS) Industry Sectors dataset is made available via the U.S. Environmental Protection Agency's (EPA) PFAS Analytic Tools. The dataset was developed from various sources that show which industries may be handling PFAS including: EPA's Enforcement and Compliance History Online (ECHO) records restricted to potential PFAS-handling industry sectors, based on the North American Industry Classification System (NAICS) Codes and Standard Industrial Classification (SIC) Codes associated federal regulatory programs (e.g., Clean Water Act, Clean Air Act, and Resource Conservation and Recovery Act) at the facility level; ECHO records for Fire Training Sites identified where fire-fighting foam may have been used in training exercises; and 14 CFR Part 139 Airports compiled from historic and current records from the FAA Airport Data and Information Portal. Since July 2006, all certificated Part 139 Airports are required to have fire-fighting foam onsite that meet certain military specifications, which to date have been fluorinated (Aqueous Film Forming Foam). Limitations: Inclusion in this dataset does not indicate that PFAS are being manufactured, processed, used, or released by the facility. Listed facilities potentially handle PFAS based on their industrial profile but are unconfirmed by the EPA. Keyword searches in ECHO for Fire Training sites may misidentify some facilities and should not be considered to be an exhaustive list of fire training facilities in the U.S.

Government Publication Date: Feb 16, 2026

Hazardous Materials Information Reporting System: HMIRS

The Hazardous Materials Incident Reporting System (HMIRS) database contains unintentional hazardous materials release information reported to the U.S. Department of Transportation, Pipeline and Hazardous Materials Safety Administration.

Government Publication Date: May 28, 2025

National Clandestine Drug Labs: NCDL

The U.S. Department of Justice ("the Department"), Drug Enforcement Administration (DEA), provides this data as a public service. It contains addresses of some locations where law enforcement agencies reported they found chemicals or other items that indicated the presence of either clandestine drug laboratories or dumpsites. In most cases, the source of the entries is not the Department, and the Department has not verified the entry and does not guarantee its accuracy.

Government Publication Date: Nov 30, 2023

Toxic Substances Control Act: TSCA

The U.S. Environmental Protection Agency (EPA) is amending the Toxic Substances Control Act (TSCA) section 8(a) Inventory Update Reporting (IUR) rule and changing its name to the Chemical Data Reporting (CDR) rule. The CDR enables EPA to collect and publish information on the manufacturing, processing, and use of commercial chemical substances and mixtures (referred to hereafter as chemical substances) on the TSCA Chemical Substance Inventory (TSCA Inventory). This includes current information on chemical substance production volumes, manufacturing sites, and how the chemical substances are used. This information helps the Agency determine whether people or the environment are potentially exposed to reported chemical substances. EPA publishes submitted CDR data that is not Confidential Business Information (CBI). EPA CDR collections occur approximately every four years and reporting requirements change per collection.

Government Publication Date: May 12, 2022

Hist TSCA: HIST TSCA

The Environmental Protection Agency (EPA) is amending the Toxic Substances Control Act (TSCA) section 8(a) Inventory Update Reporting (IUR) rule and changing its name to the Chemical Data Reporting (CDR) rule.
The 2006 IUR data summary report includes information about chemicals manufactured or imported in quantities of 25,000 pounds or more at a single site during calendar year 2005. In addition to the basic manufacturing information collected in previous reporting cycles, the 2006 cycle is the first time EPA collected information to characterize exposure during manufacturing, processing and use of organic chemicals. The 2006 cycle also is the first time manufacturers of inorganic chemicals were required to report basic manufacturing information.

Government Publication Date: Dec 31, 2006

FTTS Administrative Case Listing: FTTS ADMIN

An administrative case listing from the Federal Insecticide, Fungicide, & Rodenticide Act (FIFRA) and Toxic Substances Control Act (TSCA), together known as FTTS. This database was obtained from the Environmental Protection Agency's (EPA) National Compliance Database (NCDB). The FTTS and NCDB was shut down in 2006.

Government Publication Date: Jan 19, 2007

FTTS Inspection Case Listing: FTTS INSP

An inspection case listing from the Federal Insecticide, Fungicide, & Rodenticide Act (FIFRA) and Toxic Substances Control Act (TSCA), together known as FTTS. This database was obtained from the Environmental Protection Agency's (EPA) National Compliance Database (NCDB). The FTTS and NCDB was shut down in 2006.

Government Publication Date: Jan 19, 2007

Potentially Responsible Parties List: PRP

Early in the site cleanup process, the U.S. Environmental Protection Agency (EPA) conducts a search to find the Potentially Responsible Parties (PRPs). The EPA looks for evidence to determine liability by matching wastes found at the site with parties that may have contributed wastes to the site. This listing contains PRPs, Noticed Parties, at sites in the EPA's Superfund Enterprise Management System (SEMS).

Government Publication Date: Dec 26, 2025

State Coalition for Remediation of Drycleaners Listing: SCRD DRYCLEANER

The State Coalition for Remediation of Drycleaners (SCRD) was established in 1998, with support from the U.S. Environmental Protection Agency (EPA) Office of Superfund Remediation and Technology Innovation. Coalition members are states with mandated programs and funding for drycleaner site remediation. Current members are Alabama, Connecticut, Florida, Illinois, Kansas, Minnesota, Missouri, North Carolina, Oregon, South Carolina, Tennessee, Texas, and Wisconsin. Since 2017, the SCRD no longer maintains this data, refer to applicable state source data where available.

Government Publication Date: Nov 08, 2017

Integrated Compliance Information System (ICIS): ICIS

The Integrated Compliance Information System (ICIS) database contains integrated enforcement and compliance information across most of U.S. Environmental Protection Agency's (EPA) programs. The vision for ICIS is to replace EPA's independent databases that contain enforcement data with a single repository for that information. Currently, ICIS contains all Federal Administrative and Judicial enforcement actions and a subset of the Permit Compliance System (PCS), which supports the National Pollutant Discharge Elimination System (NPDES). This information is maintained by the EPA Headquarters and at the Regional offices. A future release of ICIS will completely replace PCS and will integrate that information with Federal actions already in the system. ICIS also has the capability to track other activities that support compliance and enforcement programs, including incident tracking, compliance assistance, and compliance monitoring.

Government Publication Date: Oct 18, 2025

Drycleaner Facilities: FED DRYCLEANERS

A list of drycleaner facilities from Enforcement and Compliance History Online (ECHO) data as made available by the U.S. Environmental Protection Agency (EPA), sourced from the ECHO Exporter file. This EPA source file tracks facilities that possess NAICS and SIC codes that classify businesses as drycleaner establishments.

Government Publication Date: Jan 24, 2026

Delisted Drycleaner Facilities: DELISTED FED DRY

List of sites which once appeared on - and have since been removed from - the list of drycleaner facilities included in Enforcement and Compliance History Online (ECHO) data as made available by the U.S. Environmental Protection Agency (EPA), sourced from the ECHO Exporter file. This EPA source file tracks facilities that possess NAICS and SIC codes that classify businesses as drycleaner establishments.

Government Publication Date: Jan 24, 2026

Formerly Used Defense Sites: FUDS

Formerly Used Defense Sites (FUDS) are properties that were formerly owned by, leased to, or otherwise possessed by and under the jurisdiction of the Secretary of Defense prior to October 1986, where the Department of Defense (DOD) is responsible for an environmental restoration. The FUDS Annual Report to Congress (ARC) is published by the U.S. Army Corps of Engineers (USACE). This data is compiled from the USACE's Geospatial FUDS data layers and Homeland Infrastructure Foundation-Level Data (HIFLD) FUDS dataset which applies to the Fiscal Year 2021 FUDS Inventory.

Government Publication Date: May 15, 2023

FUDS Munitions Response Sites: FUDS MRS

Boundaries of Munitions Response Sites (MRS), published with the Formerly Used Defense Sites (FUDS) Annual Report to Congress (ARC) by the U.S. Army Corps of Engineers (USACE). An MRS is a discrete location within a Munitions response area (MRA) that is known to require a munitions response. An MRA means any area on a defense site that is known or suspected to contain unexploded ordnance (UXO), discarded military munitions (DMM), or munitions constituents (MC). This data is compiled from the USACE's Geospatial MRS data layers and Homeland Infrastructure Foundation-Level Data (HIFLD) MRS dataset.

Government Publication Date: May 15, 2023

Former Military Nike Missile Sites: FORMER NIKE

This information was taken from report DRXTH-AS-IA-83A016 (Historical Overview of the Nike Missile System, 12/1984) which was performed by Environmental Science and Engineering, Inc. for the U.S. Army Toxic and Hazardous Materials Agency Assessment Division. The Nike system was deployed between 1954 and the mid-1970's. Among the substances used or stored on Nike sites were liquid missile fuel (JP-4); starter fluids (UDKH, aniline, and furfuryl alcohol); oxidizer (IRFNA); hydrocarbons (motor oil, hydraulic fluid, diesel fuel, gasoline, heating oil); solvents (carbon tetrachloride, trichloroethylene, trichloroethane, stoddard solvent); and battery electrolyte. The quantities of material a disposed of and procedures for disposal are not documented in published reports. Virtually all information concerning the potential for contamination at Nike sites is confined to personnel who were assigned to Nike sites. During deactivation most hardware was shipped to depot-level supply points. There were reportedly instances where excess materials were disposed of on or near the site itself at closure. There was reportedly no routine site decontamination.

Government Publication Date: Dec 2, 1984

PHMSA Pipeline Safety Flagged Incidents: PIPELINE INCIDENT

This list of flagged pipeline incidents is made available by the U.S. Department of Transportation (US DOT) Pipeline and Hazardous Materials Safety Administration (PHMSA). PHMSA regulations require incident and accident reports for five different pipeline system types. Accidents reported on hazardous liquid gravity lines (§195.13) and reporting-regulated-only hazardous liquid gathering lines (§195.15) and incidents reported on Type R gas gathering (§192.8(c)) are not included in the flagged incident file data.

Government Publication Date: Jul 10, 2025

Material Licensing Tracking System (MLTS): MLTS

A list of sites that store radioactive material subject to the Nuclear Regulatory Commission (NRC) licensing requirements. This list is maintained by the NRC. As of September 2016, the NRC no longer releases location information for sites. Site locations were last received in July 2016.

Government Publication Date: May 11, 2021

Historic Material Licensing Tracking System (MLTS) sites: HIST MLTS

A historic list of sites that have inactive licenses and/or removed from the Material Licensing Tracking System (MLTS). In some cases, a site is removed from the MLTS when the state becomes an "Agreement State". An Agreement State is a State that has signed an agreement with the Nuclear Regulatory Commission (NRC) authorizing the State to regulate certain uses of radioactive materials within the State.

Government Publication Date: Jan 31, 2010

Mines Master Index File: MINES

The Master Index File (MIF) is provided by the United States Department of Labor, Mine Safety and Health Administration (MSHA). This file, which was originally created in the 1970's, contained many Mine-IDs that were invalid. MSHA removes invalid IDs from the MIF upon discovery. MSHA applicable data includes the following: all Coal and Metal/Non-Metal mines under MSHA's jurisdiction since 1/1/1970; mine addresses for all mines in the database except for Abandoned mines prior to 1998 from MSHA's legacy system (addresses may or may not correspond with the physical location of the mine itself); violations that have been assessed penalties as a result of MSHA inspections beginning on 1/1/2000; and violations issued as a result of MSHA inspections conducted beginning on 1/1/2000.

Government Publication Date: Aug 8, 2025

Surface Mining Control and Reclamation Act Sites: SMCRA

This inventory of land and water impacted by past mining (primarily legacy coal mining operations) is maintained by the U.S. Department of the Interior's Office of Surface Mining Reclamation and Enforcement (OSMRE), as it provides information needed to implement the Surface Mining Control and Reclamation Act of 1977 (SMCRA). This inventory contains information on the type and extent of Abandoned Mine Land (AML) Problems, as well as information on the cost associated with the reclamation of those problems. The data 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. Disclaimer: Per the OSMRE, States and tribes who enter their data into e-AMLIS (AML Inventory System) may truncate their latitude and longitude so the precise location of usually dangerous AMLs is not revealed in an effort to protect the public from searching for these AMLs, most of which are on private property. If more precise location information is needed, please contact the applicable state/tribe of interest.

Government Publication Date: Oct 30, 2025

Mineral Resource Data System: MRDS

The Mineral Resource Data System (MRDS) is a collection of reports describing metallic and nonmetallic mineral resources throughout the world. Included are deposit name, location, commodity, deposit description, geologic characteristics, production, reserves, resources, and references. This database contains the records previously provided in the Mineral Resource Data System (MRDS) of USGS and the Mineral Availability System/Mineral Industry Locator System (MAS/MILS) originated in the U.S. Bureau of Mines, which is now part of USGS. The USGS has ceased systematic updates of the MRDS database with their focus more recently on deposits of critical minerals while providing a well-documented baseline of historical mine locations from USGS topographic maps.

Government Publication Date: Mar 15, 2016

DOE Legacy Management Sites: LM SITES

The U.S. Department of Energy (DOE) Office of Legacy Management (LM) currently manages radioactive and chemical waste, environmental contamination, and hazardous material at over 100 sites across the U.S. The LM manages sites with diverse regulatory drivers (statutes or programs that direct cleanup and management requirements at DOE sites) or as part of internal DOE or congressionally-recognized programs, such as but not limited to: Formerly Utilized Sites Remedial Action Program (FUSRAP), Uranium Mill Tailings Radiation Control Act (UMTRCA Title I, Tile II), Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA), Resource Conservation and Recovery Act (RCRA), Decontamination and Decommissioning (D&D), Nuclear Waste Policy Act (NWPA). The intent of the site location is to provide a general reference point to the site on a national scale. The coordinates of each site point can be the location of a site monument, the centroid of the site boundary, or a general location of the site. This site listing includes data exported from the DOE Office of LM's Geospatial Environmental Mapping System (GEMS). GEMS Data disclaimer: The DOE Office of LM makes no representation or warranty, expressed or implied, regarding the use, accuracy, availability, or completeness of the data presented herein.

Government Publication Date: Nov 6, 2025

Alternative Fueling Stations: ALT FUELS

This list of alternative fueling stations is sourced from the U.S. Department of Energy's (DOE) Alternative Fuels Data Center (AFDC) and National Renewable Energy Laboratory (NREL). The DOE's Office of Energy Efficiency & Renewable Energy launched the AFDC in 1991 as a repository for alternative fuel vehicle performance data, which provides a wealth of information and data on alternative and renewable fuels, advanced vehicles, fuel-saving strategies, and emerging transportation technologies. The data includes Biodiesel (B20 and above), Compressed Natural Gas (CNG), Electric, Ethanol (E85), Hydrogen, Liquefied Natural Gas (LNG), Propane (LPG), and Renewable Diesel (R20 and above) fuel type locations.

Government Publication Date: Dec 16, 2025

Superfunds Consent Decrees: CONSENT DECREES

This list of Superfund consent decrees is provided by the Department of Justice, Environment & Natural Resources Division (ENRD) through a Freedom of Information Act (FOIA) applicable file. This listing includes Cases filed since 2010 limited to the following: Consent Decrees for CERCLA or Superfund Sites filed and/or as proposed within the ENRD's Case Management System (CMS); and applicable ENRD's Environmental Defense Section (EDS) CERCLA Cases with "Consent" in History Note. CMS may not reflect the latest developments in a case, nor can the agency guarantee the accuracy of the data. ENRD Disclaimer: Congress excluded three discrete categories of law enforcement and national security records from the requirements of the FOIA; response is limited to those records that are subject to the requirements of the FOIA; however, this should not be taken as an indication that excluded records do, or do not, exist.

Government Publication Date: Dec 30, 2025

Air Facility System: AFS

This EPA retired Air Facility System (AFS) dataset contains emissions, compliance, and enforcement data on stationary sources of air pollution. Regulated sources cover a wide spectrum; from large industrial facilities to relatively small operations such as dry cleaners. AFS does not contain data on facilities that are solely asbestos demolition and/or renovation contractors, or landfills. ECHO Clean Air Act data from AFS are frozen and reflect data as of October 17, 2014; the EPA retired this system for Clean Air Act stationary sources and transitioned to ICIS-Air.

Government Publication Date: Oct 17, 2014

Registered Pesticide Establishments: SSTS

This national list of active EPA-registered foreign and domestic pesticide and/or device-producing establishments is based on data from the Section Seven Tracking System (SSTS). The Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA) Section 7 requires that each producing establishment must place its EPA establishment number on the label or immediate container of each pesticide, active ingredient or device produced. An EPA establishment number on a pesticide product label identifies the EPA registered location where the product was produced. The list of establishments is made available by the U.S. Environmental Protection Agency (EPA).

Government Publication Date: Sep 26, 2025

Polychlorinated Biphenyl (PCB) Transformers: PCBT

Locations of Transformers Containing Polychlorinated Biphenyls (PCBs) registered with the United States Environmental Protection Agency. PCB transformer owners must register their transformer(s) with EPA. Although not required, PCB transformer owners who have removed and properly disposed of a registered PCB transformer may notify EPA to have their PCB transformer de-registered. Data made available by EPA.

Government Publication Date: Oct 15, 2019

Polychlorinated Biphenyl (PCB) Notifiers: PCB

Facilities included in the national list of facilities that have notified the United States Environmental Protection Agency (EPA) of Polychlorinated Biphenyl (PCB) activities. Any company or person storing, transporting or disposing of PCBs or conducting PCB research and development must notify the EPA and receive an identification number.

Government Publication Date: Aug 12, 2025

Power Plants: POWER PLANTS

This list of power plants is provided by the U.S. Energy Information Administration (EIA). The listing includes operable electric generating plants in the United States by energy source, originating from the EIA-860, Annual Electric Generator Report; EIA-860M, Monthly Update to the Annual Electric Generator Report; and EIA-923, Power Plant Operations Report. It includes all operable plants by energy source with a combined nameplate capacity of 1 megawatt or more that are operating, are on standby, or out of service for short- or long-term.

Government Publication Date: Jun 5, 2025

Historical Business Activity Risk: HIST RISK

Proprietary list of sites identified as potentially having engaged in business activity that poses a higher-than-normal risk of contamination. Records originate from historical city directories, and are included in this list based on broad business categories Potentially Hazardous Chemical Users and Fuel and Automotive, including but not limited to Dry Cleaners and Fuel Stations, Garages, etc. Inclusion in this listing does not indicate that there is or ever has been contamination; rather, sites are included in this list due to their potential for having engaged in a business activity presenting an elevated risk of contamination. The list was compiled from various city directories including Polks, Millers, Mullin Kille, Interstate Directory, and State Directory Co; spanning roughly 1920s through 1960 depending on information available by city.

Government Publication Date: Jan 1, 1960

NPDES Biosolids Program Permit Holders: NPDES BIOSOLIDS

This Water National Pollutant Discharge Elimination System (NPDES) Biosolids Permits list is sourced from the U.S. Environmental Protection Agency's (EPA) Enforcement and Compliance History Online data. EPA's Integrated Compliance Information System (ICIS) for NPDES includes facility and compliance information for NPDES permits in the ECHO Biosolids facility universe. Per the EPA, when sewage from households and businesses (and sometimes wastewater from industrial dischargers) is sent to a wastewater treatment plant, the liquids are separated from the solids, producing a semi-solid, nutrient-rich product known as "sewage sludge" or "biosolids". The EPA typically uses the term "biosolids" to mean sewage sludge that has been treated to meet the agency's regulatory requirements and is intended to be land applied as a soil conditioner or fertilizer.

Government Publication Date: Feb 7, 2026

State

PFAS Sampling Locations: PFAS SAMPLING

This data is sourced from the State Water Board's GeoTracker Per- and Polyfluoroalkyl Substances (PFAS) Map tool which contains individual sampling points (i.e., soil boring, groundwater monitoring well, drinking water well for municipal drinking water systems, etc.) or a site location with PFAS analytical data. Includes analytical results that are finalized and submitted electronically by the Responsible Parties via GeoTracker's Electronic Submittal of Information Portal, and after it's accepted by a Regional Water Quality Control Board.

Government Publication Date: Dec 21, 2025

Dry Cleaning Facilities: DRYCLEANERS

A list of drycleaner related facilities that have EPA ID numbers. These are facilities with certain SIC codes: power laundries, family and commercial, linen supply, commercial laundry, dry cleaning and pressing machines - Coin Operated Laundry and Dry Cleaning. This is provided by the Department of Toxic Substance Control.

Government Publication Date: Dec 20, 2021

Delisted Drycleaners: DELISTED DRYCLEANERS

Sites removed from the list of drycleaner related facilities that have EPA ID numbers, made available by the California Department of Toxic Substance Control.

Government Publication Date: Aug 3, 2023

Non-Toxic Dry Cleaning Incentive Program: DRYC GRANT

This list of past Non-Toxic Dry Cleaning Incentive Program grant award recipients is provided by the California Air Resources Board (CARB). The program provided grants to eligible dry cleaning businesses to assist them in transitioning away from perchloroethylene (Perc) machines to alternative non-toxic and non-smog forming technologies such as water-based and CO2 cleaning systems. Per the CARB, this program ended in January 2023 and the information is historical.

Government Publication Date: Aug 3, 2023

PFAS GeoTracker Cleanup Sites: PFAS GT CLEANUPS

A list of applicable cleanup sites from the State Water Resources Control Board's (SWRCB) GeoTracker data management system where one or more of the potential contaminants of concern are identified in the PFAS Structure List and/or PFAS Chemicals Without Explicit Structure List made available by the United States Environmental Protection Agency (US EPA).

Government Publication Date: Sep 13, 2025

PFOA/PFOS Groundwater: PFAS GW

A list of water wells from the Groundwater Ambient Monitoring and Assessment Program (GAMA) Groundwater Information System with the groundwater chemical perfluorooctanoic acid (PFOA) (NL = 0.014 UG/L) or perfluorooctanoic sulfonate (PFOS) (NL = 0.013 UG/L). The GAMA Groundwater Information System search is made available by California Water Boards.

Government Publication Date: Feb 21, 2026

PFAS Investigations: PFAS INVEST

This list of potential Per- and Polyfluoroalkyl Substance (PFAS) sites is compiled from the California State Water Resources Control Board's (SWRCB) PFAS Investigations Map tool. The SWRCB issued investigative orders, per California Water Code (CWC) Section 13267 and/or 13383, to these sites. Orders were also issued to the public water systems to sample wells in the vicinity of these locations. Military facilities have been identified by the Department of Defense (DOD) as part of their efforts to investigate PFAS per the Defense Environmental Restoration Program (DERP) under the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA). The data includes locations for Airports, Chrome Plating Facilities, Landfills, Publicly Owned Treatment Works, Refineries and Bulk Terminals, DOD Facilities, and Monitored Drinking Water Wells being investigated for potential PFAS.

Government Publication Date: Jan 23, 2024

Hazardous Waste and Substances Site List - Site Cleanup: HWSS CLEANUP

The Hazardous Waste and Substances Sites (Cortese) List is a planning document used by the State, local agencies and developers to comply with the California Environmental Quality Act requirements in providing information about the location of hazardous materials release sites. This list is published by California Department of Toxic Substance Control.

Government Publication Date: Mar 15, 2023

Toxic Pit Cleanup Act Sites: TOXIC PITS

The Toxic Pits Cleanup Act (TPCA) list identifies sites suspected of containing hazardous substances where cleanup has not yet been completed. This list was maintained by the State Water Resources Control Board (SWRCB), is not longer maintained, and updates are not planned.

Government Publication Date: Jul 1, 1995

List of Hazardous Waste Facilities Subject to Corrective Action: DTSC HWF

This is a list of hazardous waste facilities identified in Health and Safety Code (HSC) § 25187.5. These facilities are those where Department of Toxic Substances Control (DTSC) has taken or contracted for corrective action because a facility owner/operator has failed to comply with a date for taking corrective action in an order issued under HSC § 25187, or because DTSC determined that immediate corrective action was necessary to abate an imminent or substantial endangerment.

Government Publication Date: Jul 18, 2016

EnviroStor Inspection, Compliance, and Enforcement: INSP COMP ENF

A list of permitted facilities with inspections and enforcements tracked by the California Department of Toxic Substance Control's (DTSC) EnviroStor data management system.

Government Publication Date: Feb 9, 2026

School Property Evaluation Program Sites: SCH

A list of sites registered with The Department of Toxic Substances Control (DTSC) School Property Evaluation and Cleanup (SPEC) Division. SPEC is responsible for assessing, investigating and cleaning up proposed school sites. The Division ensures that selected properties are free of contamination or, if the properties were previously contaminated, that they have been cleaned up to a level that protects the students and staff who will occupy the new school.

Government Publication Date: Oct 2, 2025

California Hazardous Material Incident Report System (CHMIRS): CHMIRS

A list of reported hazardous material incidents, spills, and releases from the California Hazardous Material Incident Report System (CHMIRS). This listing has been made available by the California Governor's Office of Emergency Services (Cal OES).

Government Publication Date: Jul 11, 2025

Historical California Hazardous Material Incident Report System (CHMIRS): HIST CHMIRS

A list of reported hazardous material incidents, spills, and releases from the California Hazardous Material Incident Report System (CHMIRS) prior to 1993. This list has been made available by the California Office of Emergency Services (OES).

Government Publication Date: Jan 1, 1993

Handlers from Hazardous Waste Manifest Data: HAZNET

A list of handlers not otherwise classified as Treatment, Storage, Disposal facilities (TSDF) or generators from the facilities and manifests data made available by the California Department of Toxic Substances Control (DTSC) in their Hazardous Waste Tracking System (HWTS).

Government Publication Date: Feb 20, 2025

Generators from Hazardous Waste Manifest Data: HAZ GEN

List of handlers listed as having generated waste from the facilities and manifests data made available by the California Department of Toxic Substances Control (DTSC) in their Hazardous Waste Tracking System (HWTS).

Government Publication Date: Feb 20, 2025

TSDF from Hazardous Waste Manifest Data: HAZ TSD

List of Treatment, Storage, and Disposal Facilities (TSDFs) from the facilities and manifests data made available by the California Department of Toxic Substances Control (DTSC) in their Hazardous Waste Tracking System (HWTS).

Government Publication Date: Feb 20, 2025

Historical Hazardous Waste Manifest Data: HIST MANIFEST

A list of historic hazardous waste manifests received by the Department of Toxic Substances Control (DTSC) from year the 1980 to 1992. The volume of manifests is typically 900,000 - 1,000,000 annually, representing approximately 450,000 - 500,000 shipments.

Government Publication Date: Dec 31, 1992

DTSC Registered Hazardous Waste Transporters: HW TRANSPORT

The California Department of Toxic Substances Control (DTSC) maintains this list of Registered Hazardous Waste Transporters.

Government Publication Date: Feb 20, 2026

Registered Waste Tire Haulers: WASTE TIRE

This list of registered waste tire haulers is maintained by the California Department of Resources Recycling and Recovery.

Government Publication Date: Jan 11, 2026

California Medical Waste Management Program Facility List: MEDICAL WASTE

This list of Medical Waste Management Program Facilities is maintained by the California Department of Public Health. The Medical Waste Management Program (MWMP) regulates the generation, handling, storage, treatment, and disposal of medical waste by providing oversight for the implementation of the Medical Waste Management Act (MWMA). The MWMP permits and inspects all medical waste off-site treatment facilities, medical waste transporters, and medical waste transfer stations. This list contains transporters, treatment, and transfer facilities.

Government Publication Date: Jan 20, 2026

Historical Cortese List: HIST CORTESE

List of sites which were once included on the Cortese list. The Hazardous Waste and Substances Sites (Cortese) List is a planning document used by the State, local agencies and developers to comply with the California Environmental Quality Act requirements for providing information about the location of hazardous sites.

Government Publication Date: Nov 13, 2008

Cease and Desist Orders and Cleanup and Abatement Orders: CDO/CAO

The California Environment Protection Agency "Cortese List" of active Cease and Desist Orders (CDO) and Cleanup and Abatement Orders (CAO). This list contains many CDOs and CAOs that do NOT concern the discharge of wastes that are hazardous materials. Many of the listed orders concern, as examples, discharges of domestic sewage, food processing wastes, or sediment that do not contain hazardous materials, but the Water Boards' database does not distinguish between these types of orders.

Government Publication Date: Dec 6, 2021

California Environmental Reporting System (CERS) Hazardous Waste Sites: CERS HAZ

List of sites in the California Environmental Protection Agency (CalEPA) Regulated Site Portal which fall under the following regulatory programs: Hazardous Chemical Management, Hazardous Waste Onsite Treatment, Household Hazardous Waste Collection, Hazardous Waste Generator, RCRA LQ HW Generator. The CalEPA oversees the statewide implementation of the Unified Program which applies regulatory standards to protect Californians from hazardous waste and materials.

Government Publication Date: Jan 12, 2026

Delisted Environmental Reporting System (CERS) Hazardous Waste Sites: DELISTED HAZ

This database contains a list of sites that were removed from the California Environmental Protection Agency (CalEPA) in the following regulatory programs: Hazardous Chemical Management, Hazardous Waste Onsite Treatment, Household Hazardous Waste Collection, Hazardous Waste Generator, RCRA LQ HW Generator.

Government Publication Date: Nov 29, 2018

Sites in GeoTracker: GEOTRACKER

GeoTracker is the State Water Resource Control Boards' data management system for sites that impact, or have the potential to impact, water quality in California, with emphasis on groundwater. This is a list of sites in GeoTracker that aren't otherwise categorized as LUST, Land Disposal Sites (LDS), Cleanup Sites, or sites having Waste Discharge Requirements (WDR). This listing includes program types such as Underground Injection Control (UIC), Confined Animal Facilities (CAF), Irrigated Lands Regulatory Program, plans, and non-case information.

Government Publication Date: Aug 11, 2025

Mines Listing: MINE

This list includes mine site locations extracted from the Mines Online database, maintained by the California Department of Conservation. Mines Online (MOL) is an interactive web map designed with GIS features that provide information such as the mine name, mine status, commodity sold, location, and other mine specific data. Please note: Mine location information is provided to assist experts in determining the location of mine operators in accordance with California Civil Code section 1103.4 and reflects information reported by mine operators in annual reports provided under Public Resources Code section 2207. While the Division of Mine Reclamation (DMR) attempts to populate MOL with accurate location information, the DMR cannot guarantee the accuracy of operator reported location information.

Government Publication Date: Oct 25, 2025

Recorded Environmental Cleanup Liens: LIEN

The California Department of Toxic Substance Control (DTSC) maintains this list of liens placed upon real properties. A lien is utilized by the DTSC to obtain reimbursement from responsible parties for costs associated with the remediation of contaminated properties.

Government Publication Date: Feb 5, 2026

Waste Discharge Requirements: WASTE DISCHG

List of sites in California State Water Resources Control Board (SWRCB) Waste Discharge Requirements (WDRs) Program in California, made available by the SWRCB via GeoTracker. The WDR program regulates point discharges that are exempt pursuant to Subsection 20090 of Title 27 and not subject to the Federal Water Pollution Control Act. The scope of the WDRs Program also includes the discharge of wastes classified as inert, pursuant to section 20230 of Title 27.

Government Publication Date: Aug 11, 2025

Toxic Pollutant Emissions Facilities: EMISSIONS

A list of criteria and toxic pollutant emissions data for facilities in California made available by the California Environmental Protection Agency - Air Resources Board (ARB). Risk data may be based on previous inventory submittals. The toxics data are submitted to the ARB by the local air districts as requirement of the Air Toxics "Hot Spots" Program.

Government Publication Date: Dec 31, 2021

Clandestine Drug Lab Sites: CDL

The Department of Toxic Substances Control (DTSC) maintains a listing of drug lab sites. DTSC is responsible for removal and disposal of hazardous substances discovered by law enforcement officials while investigating illegal/clandestine drug laboratories.

Government Publication Date: Dec 13, 2024

Tribal

No Tribal additional environmental record sources available for this State.

County

Definitions

Database Descriptions: This section provides a detailed explanation for each database including: source, information available, time coverage, and acronyms used. They are listed in alphabetic order.

Detail Report: This is the section of the report which provides the most detail for each individual record. Records are summarized by location, starting with the project property followed by records in closest proximity.

Distance: The distance value is the distance between plotted points, not necessarily the distance between the sites' boundaries. All values are an approximation.

Direction: The direction value is the compass direction of the site in respect to the project property and/or center point of the report.

Elevation: The elevation value is taken from the location at which the records for the site address have been plotted. All values are an approximation. Source: Google Elevation API.

Executive Summary: This portion of the report is divided into 3 sections:

'Report Summary'- Displays a chart indicating how many records fall on the project property and, within the report search radii.

'Site Report Summary'-Project Property'- This section lists all the records which fall on the project property. For more details, see the 'Detail Report' section.

'Site Report Summary-Surrounding Properties'- This section summarizes all records on adjacent properties, listing them in order of proximity from the project property. For more details, see the 'Detail Report' section.

Map Key: The map key number is assigned according to closest proximity from the project property. Map Key numbers always start at #1. The project property will always have a map key of '1' if records are available. If there is a number in brackets beside the main number, this will indicate the number of records on that specific property. If there is no number in brackets, there is only one record for that property.

The symbol and colour used indicates 'elevation': the red inverted triangle will dictate 'ERIS Sites with Lower Elevation', the yellow triangle will dictate 'ERIS Sites with Higher Elevation' and the orange square will dictate 'ERIS Sites with Same Elevation.'

Unplottables: These are records that could not be mapped due to various reasons, including limited geographic information. These records may or may not be in your study area, and are included as reference.

EXHIBIT C-2

GENERAL PUBLIC RECORDS

NOT APPLICABLE FOR THIS REPORT

APPENDIX D

INTERVIEW RECORDS

RECORD OF COMMUNICATION						
Project Name: Subdivision at Avenue 13 and Hwy 99			Location (city): Friant, California			
Communication with: Mr. Joseph Crown						
Of: Subject Property Owner						
Location: Fresno, CA			Phone: 559-			
Communication via	**X**	Telephone		Letter		In Person
Recorded By: David Shaw			Of: SEE's			
At: (time): 1100			On (date): March 31, 2026			
Re: Property Use						
Summary of Communication: Mr. Crown was not aware of any pending, threatened, or past litigation relevant to hazardous substances or petroleum products in, on, or from the Subject Property; any pending, threatened, or past administrative proceedings relevant to hazardous substances or petroleum products in, on, or from the Subject Property; or any notices from a governmental entity regarding any possible violation of environmental laws or possible liability relating to hazardous substances or petroleum products.						
Conclusions/Required Action/Follow-up: None						

RECORD OF COMMUNICATION						
Project Name: Subdivision at Avenue 13 and Hwy 99			Location (city): Friant, California			
Communication with: Clerk						
Of: Madera City Planning and Development Department						
Location: Madera, Ca			Phone: 559			
Communication via		Telephone		Letter	**X**	In Person
Recorded By: Paul Humphrey			Of: SEE's			
At: (time): 0845			On (date): March 31, 2026			
Re: Records						
Summary of Communication: No records of land use limitations associated with the Subject Property.						
Conclusions/Required Action/Follow-up: None						

RECORD OF COMMUNICATION						
Project Name: Subdivision at Avenue 13 and Hwy 99			Location (city): Friant, California			
Communication with: Clerk						
Of: Madera County Planning and Development Department						
Location: Madera, Ca			Phone: 559			
Communication via		Telephone		Letter	**X**	In Person
Recorded By: Paul Humphrey			Of: SEE's			
At: (time): 0900			On (date): March 31, 2026			
Re: Records						
Summary of Communication: No records of land use limitations associated with the Subject Property.						
Conclusions/Required Action/Follow-up: None						

RECORD OF COMMUNICATION						
Project Name: Subdivision at Avenue 13 and Hwy 99			Location (city): Friant, California			
Communication with: Clerk						
Of: Madera County Department of Environmental Health						
Location: Madera, Ca			Phone: 559 675-7823			
Communication via	**X**	Telephone		Letter		In Person
Recorded By: Paul Humphrey			Of: SEE's			
At: (time): 1500			On (date): March 17, 2026			
Re: Records						
Summary of Communication: No records of the Subject Property.						
Conclusions/Required Action/Follow-up: None						

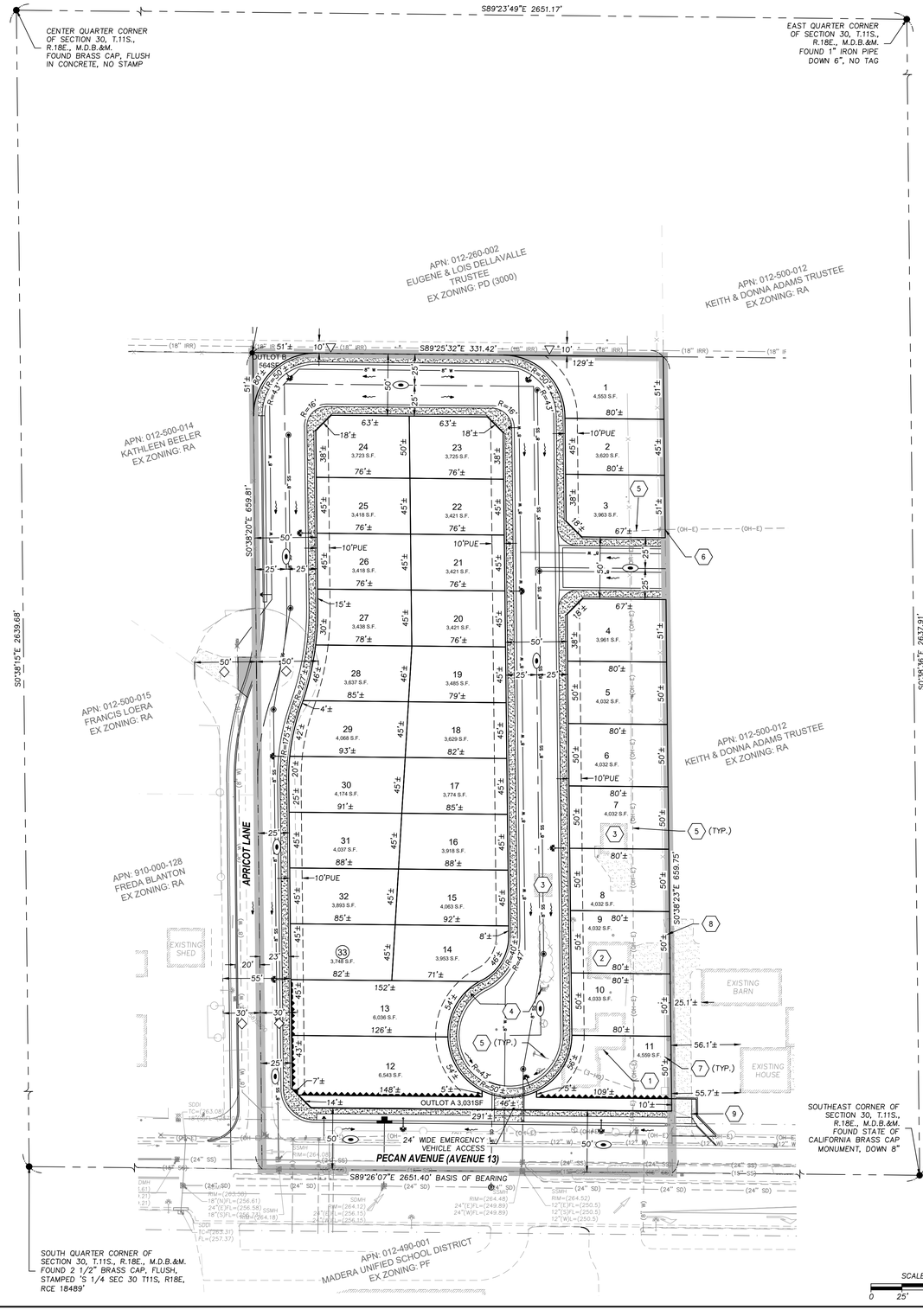
RECORD OF COMMUNICATION						
Project Name: Subdivision at Avenue 13 and Hwy 99			Location (city): Friant, California			
Communication with: Receptionist						
Of: Madera County Fire Department						
Location: Madera, Ca			Phone: 559-675-7703			
Communication via	**X**	Telephone		Letter		In Person
Recorded By: Paul Humphrey			Of: SEE's			
At: (time): 0945			On (date): March 31, 2026			
Re: Records						
Summary of Communication: According to the clerk, no record was identified for the Subject Property.						
Conclusions/Required Action/Follow-up: None						

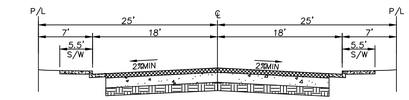
APPENDIX E

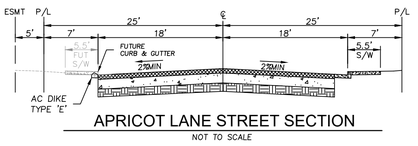
CLIENT PROVIDED DOCUMENTATION

VESTING TENTATIVE SUBDIVISION MAP OF TRACT NO. 2025-__

(A PLANNED DEVELOPMENT)
IN MADERA COUNTY, CALIFORNIA
SHEET 1 OF 1







LEGAL DESCRIPTION:

PARCEL 1:

THE WEST HALF OF THE SOUTHEAST QUARTER OF THE SOUTHWEST QUARTER OF THE SOUTHEAST QUARTER (W ½ OF SE ¼ OF SW ¼ OF SE ¼) OF SECTION THIRTY (30), TOWNSHIP ELEVEN (11) SOUTH, RANGE EIGHTEEN (18) EAST, MT.D.B. & M., ACCORDING TO UNITED STATES GOVERNMENT TOWNSHIP PLATS.

PARCEL 2:

THAT PORTION OF THE SOUTH HALF OF THE SOUTHEAST QUARTER OF SECTION 30 IN TOWNSHIP 11 SOUTH, RANGE 18 EAST, M.D.B. & M., DESCRIBED AS FOLLOWS, TO WIT:

BEGINNING AT THE SOUTHWESTERLY CORNER OF THAT CERTAIN PARCEL OF LAND DESCRIBED IN DEED FROM BUSTER BROWN BARE AND WIFE, TO VICTOR ROWLAND AND WIFE, DATED MAY 13, 1963 AND RECORDED ON JUNE 5, 1963 IN BOOK 870 OF OFFICIAL RECORDS, AT PAGE 33, RUNNING THENCE/NORTH AND ALONG THE WEST LINE OF SAID PARCEL OF LAND, A DISTANCE OF 969.80 FEET, MORE OR LESS, TO THE NORTHWEST CORNER OF SAID PARCEL OF LAND; THENCE NORTH 89° 02' WEST A DISTANCE OF 26.08 FEET, MORE OR LESS, TO A POINT ON THE WESTERLY BOUNDARY LINE OF THE PROPERTY OF THE GRANTOR HEREIN; THENCE SOUTH AND ALONG SAID WESTERLY LINE TO A POINT ON THE NORTH BOUNDARY LINE OF AVENUE 13; THENCE SOUTH 89° 04' EAST 26.08 FEET, MORE OR LESS, ALONG SAID NORTH BOUNDARY LINE TO THE POINT OF BEGINNING

NOTES:

1. EXISTING ABOVE GROUND USES OR STRUCTURES SUCH AS BUILDING, WATER WELLS, POWER LINES, TOWERS, ETC., WITHIN THE PROPOSED SUBDIVISION TO BE REMOVED.
2. THIS AREA IS NOT SUBJECT TO FLOOD INUNDATION.
3. EXISTING UNDERGROUND FEATURES SUCH AS WELLS, CESSPOOLS, SEWERS, CULVERTS, STORM DRAIN, AND OTHER UNDERGROUND STRUCTURES WITHIN THE PROPOSED SUBDIVISION TO BE REMOVED.
4. ALL STREETS ADJACENT TO THE BOUNDARIES OF THIS SUBDIVISION HAVE BEEN PREVIOUSLY DEDICATED FOR PUBLIC STREET PURPOSES AND ALL ARE TO REMAIN.
5. THERE ARE NO EXISTING CANALS OR DITCHES LOCATED WITHIN THE PROPOSED SUBDIVISIONS.
6. THIS SITE IS IN FLOOD ZONE "X" AND IS NOT FLOOD PRONE, PER THE FLOOD INSURANCE RATE MAPS.
7. ALL PROPOSED SEWER, WATER, STORM DRAIN, CURB, GUTTER, SIDEWALK, PAVEMENT, STREET TREES, AND STREET LIGHT IMPROVEMENTS ARE TO BE DONE IN ACCORDANCE WITH COUNTY OF MADERA STANDARD SPECIFICATIONS.
8. SURROUNDING LAND USES:
   NORTH – PD–PLANNED DEVELOPMENT (3000)
   EAST – RA–RESIDENTIAL AREA
   SOUTH – PF–PUBLIC FACILITIES
   WEST – RA–RESIDENTIAL AREA
9. GRADE DIFFERENTIAL ALONG EAST AND SOUTH BOUNDARY WILL BE ADDRESSED BY RETAINING WALL OR SLOPE EASEMENT & MAY EXCEED 6".
12. TO BE DEDICATED FOR LANDSCAPING AND UTILITY PURPOSES:
    OUTLOT 'A' = 3,031 SQFT
13. TO BE DEDICATED FOR LANDSCAPING AND OPEN SPACE PURPOSES:
    OUTLOT 'B' = 564 SQFT
14. TOPOGRAPHIC SURVEY PERFORMED BY YAMABE & HORN ENGINEERING ON 05-01-2025 (FIELD SURVEY)

LEGEND:

●	MONUMENT FOUND AND ACCEPTED AS NOTED
	PUBLIC STREETS NOW OFFERED IN FEE FOR STREET AND PUBLIC UTILITY PURPOSES
◇	PREVIOUSLY DEDICATED TO COUNTY OF MADERA FOR PUBLIC UTILITY PURPOSES IN THE OFFER OF DEDICATION RECORDED FEBRUARY 29, 1996 AS DOCUMENT NO. 9605317 M.C.O.R. (EASEMENTS WITHIN PROJECT LIMITS TO BE REMOVED WITH FINAL MAP)
▽	PREVIOUSLY GRANTED TO THE MADERA IRRIGATION DISTRICT PER EASEMENT DEDICATION DATED NOVEMBER 30, 1966 IN BOOK 975 AT PAGE 465,M.C.O.R.
	LIMITS OF SUBJECT PROPERTY
	EXISTING SECTION LINE
	EXISTING CENTER LINE
	PROPOSED PROPERTY LINE
	RELINQUISHED ACCESS FOR PUBLIC PURPOSES
SS	PROPOSED SEWER LINE
W	PROPOSED WATER LINE
◉	PROPOSED SANITARY SEWER MANHOLE
	PROPOSED DRAINAGE DIRECTION
	PROPOSED STREET LIGHT
	EXISTING PROPERTY LINE
	EXISTING RIGHT–OF–WAY LINE
	EXISTING CURB & GUTTER
(CO)	EXISTING CONDUIT
	EXISTING EDGE OF PAVEMENT
(E)	EXISTING ELECTRIC
(OH–E)	EXISTING ELECTRIC (OVERHEAD)
	EXISTING FENCE (CHAIN LINK)
	EXISTING FENCE (RAIL/IRON)
	EXISTING FENCE (WIRE)
	EXISTING FENCE (WOOD)
(G)	EXISTING GAS
(ICC)	EXISTING INTERCONNECT CABLE
(IRR)	EXISTING IRRIGATION LINE
(SD)	EXISTING STORM DRAIN LINE
(SS)	EXISTING SEWER LINE
(W)	EXISTING WATER LINE
	EXISTING BOLLARD/POST
E	EXISTING ELECTRIC BOX
E	EXISTING ELECTRIC MANHOLE
	EXISTING ELECTRIC PEDESTAL
	EXISTING FIRE HYDRANT
G	EXISTING GAS VALVE
G	EXISTING GAS METER
	EXISTING GUY WIRE
IR	EXISTING IRRIGATION BOX
MB	EXISTING MAIL BOX
	EXISTING SANITARY SEWER CLEANOUT
S	EXISTING SANITARY SEWER MANHOLE
	EXISTING SIGN
D	EXISTING STORM DRAIN MANHOLE
	EXISTING STORM DRAIN GRATE INLET
	EXISTING STORM DRAIN INLET
	EXISTING STREET LIGHT
SL	EXISTING STREET LIGHT BOX
	EXISTING TREE
	EXISTING FRUIT TREE
	EXISTING UTILITY POLE
UM	EXISTING UNDERGROUND MARKER
	EXISTING WATER HOSE BIB
W	EXISTING WATER METER
P	EXISTING WATER PUMP
⊗	EXISTING WATER VALVE
W	EXISTING WATER WELL
–(XXX)–	EXISTING CONTOUR ELEVATION
	EXISTING CONCRETE
M.C.O.R.	MADERA COUNTY OFFICIAL RECORDS

SITE INFO:

EXISTING TREES
21 TREES TO BE REMOVED

EXISTING BUILDINGS
TO BE REMOVED

EXISTING USE
RESIDENTIAL

EXISTING GENERAL PLAN LAND USE
VLD – VERY LOW DENSITY RESIDENTIAL

EXISTING ZONING
RA–RESIDENTIAL AREA

PROPOSED USE
RESIDENTIAL

PROPOSED GENERAL PLAN LAND USE
MDR – MEDIUM DENSITY RESIDENTIAL

PROPOSED ZONING
RESIDENTIAL/ PD3000

SOURCE OF WATER
CITY OF MADERA

SOURCE OF SEWAGE DISPOSAL
CITY OF MADERA

SOURCE OF ELECTRICITY
PACIFIC GAS & ELECTRIC

SOURCE OF GAS
PACIFIC GAS & ELECTRIC

SOURCE OF CABLE T.V.
COMCAST

SOURCE OF TELEPHONE
AT&T

ASSESSOR'S PARCEL NUMBER
012–500–013

SITE AREA
PROJECT GROSS: 5.0 ACRES, MORE OR LESS
PROJECT NET: 4.5 ACRES, MORE OR LESS

SITE ADDRESS
1171 EAST PECAN AVENUE
MADERA, CA 93636

KEY NOTES:

1. EXISTING HOUSE TO BE DEMOLISHED
2. EXISTING GARAGE TO BE DEMOLISHED
3. EXISTING SHED TO BE DEMOLISHED
4. EXISTING PRIVATE WELL TO BE ABANDONED PER COUNTY PUBLIC HEALTH DEPARTMENT STANDARDS
5. EXISTING OVERHEAD ELECTRICAL ONSITE TO BE REMOVED
6. PROPOSED CONNECTION TO OVERHEAD ELECTRICAL
7. DEMOLISH EXISTING FENCE. NEW FENCE AT PROPERTY LINE WITH PROJECT
8. SAWCUT AND DEMOLISH CONCRETE PAVEMENT BY APN: 012–500–012 THAT ENCROACHES PAST THE PROPERTY LINE
9. RIGHT–OF–WAY ACQUISITION AND NEW DRIVEWAY APPROACH, FENCE, AND GATE FOR APN:012–500–012 DUE TO PROJECTS ADJACENT BUILD–OUT TO CURB & GUTTER OF PECAN AVENUE

SUBDIVIDER:

CROWN HOMES
5320 E. PINE AVE. FRESNO
CALIFORNIA 93727
PH. (559) 840–7971

OWNER:

JOSEPH DONALD CROWN
5320 E. PINE AVE. FRESNO
CALIFORNIA 93727

PREPARED BY:

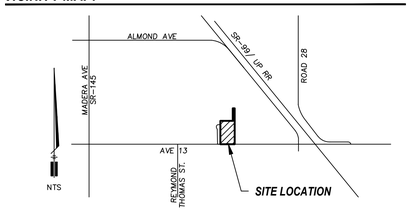
YAMABE & HORN ENGINEERING, INC.
2985 N. BURL AVE, SUITE 101
FRESNO, CALIFORNIA 93727
PH. (559) 244–3123

LOT INFO:

TOTAL	MIN. WIDTH	MIN. DEPTH
33	45 FT.	70 FT.

AREA = 4.56 AC (NET) *EXCLUDES REMAINDER
DENSITY = 7.24 UNITS/AC

VICINITY MAP:



Ref. & Rev.

Yamabe & Horn Engineering, Inc.
CIVIL ENGINEERS • LAND SURVEYORS
2985 N. BURL AVENUE SUITE 101 FRESNO, CA 93727
TEL: (559) 244-3123 WEBSITE: YANDHENGR.COM

PROJECT TITLE: TENTATIVE TRACT MAP

SHEET DESCRIPTION: 1171 EAST PECAN AVENUE MADERA, CA 93636

Dr. By: JP/JRJ
Ch. By: AB
Date: 10/27/25
Scale: As Noted

YH Job No. 25-160
Sheet No. 1
of 1 Sheets

Plot By: Jennifer Proctor Plot Date: 10/28/2025 File Location: F:\2025\25-160\dwg\Maps\Tentative Map\25-160_TTM.dwg

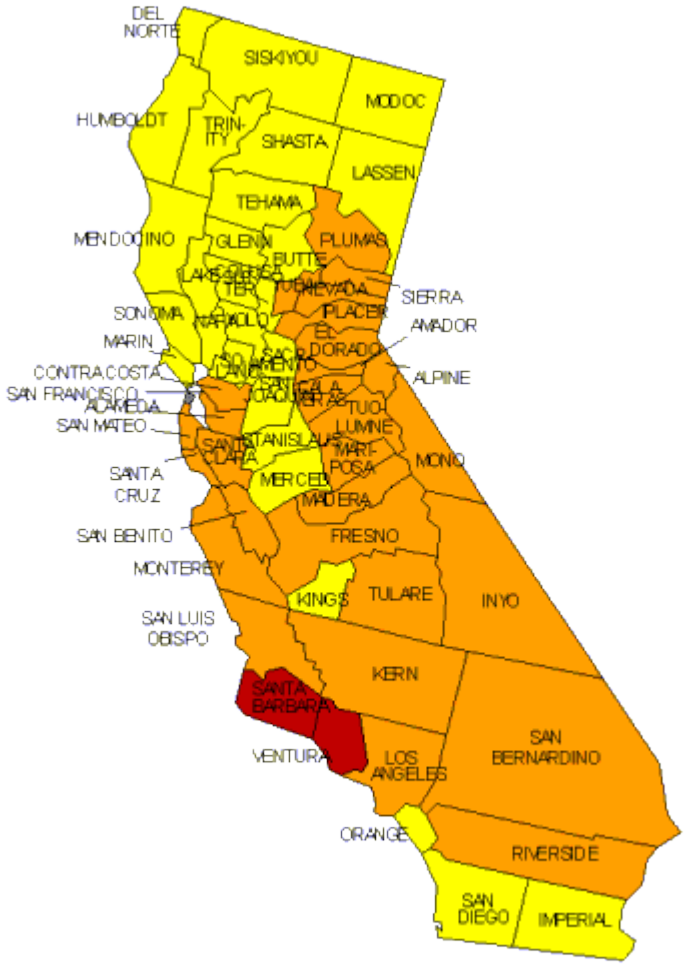
APPENDIX F

OTHER SUPPORTING DOCUMENTATION

Zone 1 Highest Potential (greater than 4 pCi/L)

Zone 2 Moderate Potential (from 2 to 4 pCi/L)

Zone 3 Low Potential (less than 2 pCi/L)



SEE'S CONSULTING & TESTING
4644 E. CARMEN AVENUE
FRESNO, CA 93703
(559) 452-0100

RADON MAP

N↑

APPENDIX G

QUALIFICATIONS OF ENVIRONMENTAL PROFESSIONALS

Paul J. Humphrey, EP

Education:	College of the Sequoias, Visalia, California
	Associate of Science in Biology, 1994
Licenses/Registrations:	Registered Environmental Property Assessor #827718
Years of Experience:	Twenty-Six

Summary of Professional Experience

Mr. Humphrey has more than twenty-six years experience in the environmental field including asbestos surveys, asbestos abatement monitoring and project design, environmental site assessment, soil and groundwater assessment and is an Environmental Professional as defined by the Environmental Protection Agency. Mr. Humphrey has conducted more than 2,000 Phase I Environmental Site Assessments of commercial, industrial, agricultural and multi-family residential properties in California, Nevada, Arizona, and Washington. Mr. Humphrey has more than two years experience in the ground-up development and management of a Hazardous Building Materials Department for a local environmental and engineering firm. Mr. Humphrey has also provided regulatory guidance, assessments, and asbestos surveys and monitoring to utility companies, flood control districts, public works departments, and branches of the military as part of facility expansion projects as well as new site development.

Mr. Humphrey's experience has included preliminary environmental assessments and various soil and groundwater investigations for highway expansion for the State of California Department of Transportation. Projects for the State of California highway expansion also included asbestos surveys of bridges and overpasses.

For a national environmental consulting firm, Mr. Humphrey served as Project Coordinator, where he performed and managed asbestos abatement oversight projects for national clients. Mr. Humphrey has also conducted environmental site assessments on multi-site industrial and commercial properties for various national financial institutions, developers, and property management companies. Assessments included limited and comprehensive surveys for asbestos, lead-based paint, lead-in-drinking-water and radon gas emissions.

David L. Shaw, P.E.

Education:	Bachelor in Science - University of California Berkeley, 2008
	Masters in Engineering – University of California Berkeley, 2014
Licenses/Registrations:	Registered Professional Civil Engineer, C88890
Years of Experience:	Eight Years

Summary of Professional Experience

Mr. Shaw has more than eight years of experience in the environmental field including Phase I Environmental Site Assessments. Mr. Shaw has been trained by David See who has more than twenty-six years of experience in environmental assessments and remediation. Mr. See is experienced with the full range of ASTM Standard Assessments and Environmental Transaction Screen programs. Mr. See has conducted environmental site assessments for gas stations, agricultural lands, commercial buildings, and industrial facilities. Mr. See has trained Mr. Shaw in aerial photo review, regulatory records search, governmental agency file review, site reconnaissance, field soil sampling, site history review, historical data search, and report preparation.

Mr. Shaw has conducted Phase I Environmental Site Assessments of commercial, industrial, agricultural and multi-family residential properties located in the cities of Fresno, Clovis, Visalia, Tulare, Mariposa, and Hanford. Mr. Shaw has also conducted Phase I Environmental Site Assessments on multi-site industrial, residential, and commercial properties for various developers.

APPENDIX D
WATER CONSUMPTION MEMORANDUM

MEMO

Date: May 15, 2026 **Project No.:** 260017 / 2

To: Jaymie Brauer, Principal Planner

From: Brian Shoener, PE

Subject: Water Use Estimate – TSM 2025-05

Background

City of Madera (City) Vesting Tentative Subdivision Map No. 25-160 (TSM 2025-05) is a 33-lot medium density single-family development. The Project site is located in southeast part of the, bounded by Pecan Avenue (also called Avenue 13) to the south and Apricot Lane to the west; approximately 0.25 miles west of State Route (SR) 99. The Project site consists of approximately 5.00 acre portion of a 5.37 acre parcel (Assessor's Parcel Number (APN) 012-500-013).

This memo will estimate the water demand for the proposed development.

Construction Period

The estimated construction period for the project is 18-24 months. The major use of water during construction will be for dust control purposes.

To estimate the dust control water needed, a rule-of-thumb of 1,400 gpd (gallons per day)/acre during construction will be used. For the five-acre development, this would equate to 7,000 gpd total. Assuming 230 construction days per year and a two year (24 month) construction period, the total water use during would construction would be 3,220,000 gallons.

Buildout

The proposed project has 33 lots. Based on the City's most recent Housing Element (2016-2024), the average household size in the City is approximately 3.81 people per household. This would equate to 126 people living within the development at buildout.

The City 2020 Urban Water Management Plan (Published September 2022), estimated the per capita water demand for the City at 119 gpd. Therefore, the estimated average water demand for the proposed development would be 15,000 gpd.

BGS

APPENDIX E:
TRIP GENERATION MEMORANDUM

MEMO

Date: June 2, 2026 **Project No.:** 260017

To: Jaymie Brauer, Principal Planner

From: Christopher B. Mynk, AICP, ENV SP

Subject: Trip Generation – City of Madera - Tentative Subdivision Map No. 2025-05 (ITE 210)

Project Description

The proposed project consists of Tentative Subdivision Map No. 2025-05 (TSM 2025-05), which would subdivide an approximately 5.0-acre portion of a 5.37-acre parcel located at 1171 East Pecan Avenue in the City of Madera into 33 single-family residential lots and two outlots dedicated for landscaping, utilities, and open space. Lot sizes would range from approximately 3,400 square feet to 6,500 square feet.

The project includes construction of internal local streets, sidewalks, curb and gutter, street lighting, landscaping, and utility infrastructure. Access to the subdivision would be provided via East Pecan Avenue (Avenue 13) and Apricot Lane. All residential units would be equipped with photovoltaic solar panels, all-electric appliances, and EV-ready infrastructure. Water, sewer, and storm drainage services would be provided by the City of Madera.

Existing Land Use and Baseline Conditions

The project site is currently developed with a single-family residence and accessory structures, which would be demolished prior to construction. The site is surrounded by agricultural land to the north, rural residential uses to the east and west, and Parkwood Elementary School to the south. Under existing conditions, traffic generation from the site is minimal and consistent with a single rural residential use.

Trip Generation Methodology

Trip generation for the proposed project was estimated using rates published in the Institute of Transportation Engineers (ITE) Trip Generation Manual, 11th Edition, which is the standard reference utilized by local jurisdictions throughout California.

The proposed land use corresponds to ITE Land Use Code (LUC) 210 – Single-Family Detached Housing. Daily and peak-hour vehicle trip generation rates for this land use were applied to the proposed 33 dwelling units.

Trip generation estimates represent gross vehicle trips entering and exiting the project site and do not account for internal capture, pass-by trips, or trip reductions related to telecommuting or alternative transportation modes. This conservative approach is consistent with CEQA screening-level traffic analysis practices.

Estimated Trip Generation

Based on ITE trip generation rates for single-family detached housing, the proposed project would generate approximately:

Daily Trips:

33 dwelling units × ~9.4 trips/unit/day = approximately 310 daily trips

AM Peak Hour Trips: Approximately 25 total trips (approximately 7 inbound / 18 outbound)

PM Peak Hour Trips: Approximately 31 total trips (approximately 18 inbound / 13 outbound)

These trips would be distributed onto the surrounding roadway network via East Pecan Avenue and Apricot Lane, consistent with typical residential travel patterns in the project vicinity.

CEQA Significance Considerations

The proposed project represents a small residential subdivision with trip generation levels typical of low- to medium-density residential development. With approximately 310 daily trips and no more than 31 trips during the peak hour, the project would not be expected to substantially increase traffic volumes on surrounding local roadways.

Based on commonly applied CEQA thresholds used by cities in the San Joaquin Valley, including screening criteria for vehicle trips generated and roadway capacity, the project's traffic impacts would be considered less than significant. No detailed traffic impact study or intersection capacity analysis is warranted for the proposed development.

Conclusion

The proposed TSM 2025-05 residential subdivision would generate a modest number of daily and peak-hour vehicle trips consistent with its size and residential land use designation. The surrounding roadway network is anticipated to adequately accommodate project-generated traffic without causing substantial adverse effects to circulation or safety. Therefore, from a trip generation standpoint, the project would result in less-than-significant transportation impacts under CEQA.

CBM

APPENDIX F:
ACOUSTICAL ANALYSIS

ACOUSTICAL ANALYSIS

TRACT 2025
MADERA, CALIFORNIA

WJVA Project No. 26-21

PREPARED FOR

JOE CROWN CONSTRUCTION & DEVELOPMENT, INC.
5320 E. PINE AVENUE
FRESNO, CA 93727

PREPARED BY

WJV ACOUSTICS, INC.
VISALIA, CALIFORNIA

wjv acoustics

MAY 7, 2026

INTRODUCTION

The project (Tract 2025) is a proposed 33-lot single-family residential development to be located along the north side of E. Pecan Avenue (Avenue 13), in Madera, California. The project applicant (Joe Crown Construction & Development, Inc.) has requested an acoustical analysis to quantify project site noise exposure and determine noise mitigation requirements. This analysis, prepared by WJV Acoustics, Inc. (WJVA), is based upon project site plan prepared by Yamabe & Horn Engineering, Inc. (dated 10/27/25), traffic data provided in the Madera County Transportation Commission, and the findings of on-site noise level measurements. Revisions to the site plan may affect the findings and recommendations of this analysis and report. The project site plan is provided as Figure 1.

Appendix A provides a description of the acoustical terminology used in this report. Unless otherwise stated, all sound levels reported are in A-weighted decibels (dB). A-weighting de-emphasizes the very low and very high frequencies of sound in a manner similar to the human ear. Most community noise standards utilize A-weighting, as it provides a high degree of correlation with human annoyance and health effects. Appendix B provides typical A-weighted sound levels for common noise sources.

NOISE EXPOSURE CRITERIA

The Noise Element of the City of Madera General Plan (Noise Element) establishes noise level compatibility standards in terms of the Day-Night Average Level (L_{dn}) or Community Noise Equivalent Level (CNEL). Both the L_{dn} and CNEL represent the time-weighted energy average noise level for a 24-hour day, with a 10 dB penalty added to noise levels occurring during the nighttime hours (10:00 p.m.-7:00 a.m.). The CNEL includes an additional penalty of 5 dB (technically 4.77 dB) that is added to noise levels occurring during the evening hours between 7:00 p.m. and 10:00 p.m. Both the L_{dn} and CNEL represent cumulative exposure to noise over an extended period of time and are therefore calculated based upon *annual average* conditions. The L_{dn} and CNEL are considered to be equivalent descriptors of the community noise environment for the purposes of this study.

For transportation noise sources, the Noise Element establishes an exterior noise exposure of less than 60 dBA L_{dn} as "completely compatible", an exterior noise exposure of 60-70 dBA L_{dn} as "tentatively compatible", an exterior noise exposure of 70-75 dBA L_{dn} as "normally incompatible" and an exterior noise exposure exceeding 75 dB L_{dn} as "completely incompatible". Exterior noise level standards are typically applied to individual outdoor activity areas. Outdoor activity areas generally include backyards of single-family residences, individual patios or decks of single- and multi-family developments and common outdoor recreation areas of multi-family developments. The intent of the exterior noise level requirement is to provide an acceptable noise environment for outdoor activities and recreation.

Additionally, the Noise Element requires that interior noise levels attributable to exterior transportation noise sources not exceed 45 dB L_{dn}. The intent of the interior noise level standard is to provide an acceptable noise environment for indoor communication and sleep.

PROJECT SITE NOISE EXPOSURE

The project site is located along the north side of E. Pecan Avenue (Avenue 13), in Madera, California. The project site is exposed traffic noise associated with vehicles traveling on E. Pecan Avenue. The approximate distance from the centerline of E. Pecan Avenue to center of the backyards of the closest proposed lots to the roadway is approximately 85 feet.

It should be noted, the northernmost lots of the project site are exposed to low levels of traffic noise associated with vehicles traveling on State Route 99 (SR 99), and a discussion of this is also provided in this analysis and report.

Traffic Noise Exposure:

Noise exposure from traffic on E. Pecan Avenue (Avenue 13) was calculated for Existing and 2046 traffic conditions using the findings of on-site noise level measurements, the FHWA Traffic Noise Model and traffic data provided by the Madera County Transportation Commission.

WJVA utilized the Federal Highway Administration (FHWA) Highway Traffic Noise Prediction Model (FHWA-RD-77-108). The FHWA Model is a standard analytical method used for roadway traffic noise calculations. The model is based upon reference energy emission levels for automobiles, medium trucks (2 axles) and heavy trucks (3 or more axles), with consideration given to vehicle volume, speed, roadway configuration, distance to the receiver, and the acoustical characteristics of the site. The FHWA Model was developed to predict hourly L_{eq} values for free-flowing traffic conditions, and is generally considered to be accurate within ±1.5 dB. To predict L_{dn} values, it is necessary to determine the hourly distribution of traffic for a typical day and adjust the traffic volume input data to yield an equivalent hourly traffic volume.

Noise level measurements and concurrent traffic counts were conducted by WJVA staff within the project site on May 1, 2026. The purpose of the measurement was to evaluate the accuracy of the FHWA Model in describing traffic noise exposure within the project site. The measurement site was located within the project site at a distance of approximately 70 feet from the centerline of E. Pecan Avenue (Avenue 13). The speed limit in the project vicinity was 40 mph (miles per hour); however, the project site is located in a School Zone, which provides a temporary speed limit of 25 mph while school is in session. The project vicinity and noise monitoring site location are provided as Figure 2. A photograph showing the noise measurement site is provided as Figure 3.

Noise monitoring equipment consisted of Larson-Davis Laboratories Model LDL-820 sound level analyzer equipped with a B&K Type 4176 1/2" microphone. The equipment complies with the specifications of the American National Standards Institute (ANSI) for Type I (Precision) sound level meters. The meter was calibrated in the field prior to use with a B&K Type 4230 acoustic calibrator to ensure the accuracy of the measurements. The microphone was located on a tripod at 5 feet above the ground. The project site presently consists of undeveloped land.

Noise measurements were conducted in terms of the equivalent energy sound level (L_{eq}). Measured L_{eq} values were compared to L_{eq} values calculated (predicted) by the FHWA Model using as inputs the traffic volumes, truck mix and vehicle speed observed during the noise measurements. The results of the comparison are shown in Table I.

TABLE I

COMPARISON OF MEASURED AND PREDICTED (FHWA MODEL) NOISE LEVELS TRACT 2025, MADERA

May 1, 2026	E. Pecan Avenue
Measurement Start Time	11:35 a.m.
Observed # Autos/Hr.	612
Observed # Medium Trucks/Hr.	24
Observed # Heavy Trucks/Hr.	12
Observed Speed (MPH)	40
Distance, ft. (from center of roadway)	70
L_{eq}, dBA (Measured)	62.7
L_{eq}, dBA (Predicted)	65.9
Difference between Measured and Predicted L_{eq}, dBA	**0.2**

Note: FHWA "soft" site assumed for calculations.
Source: WJV Acoustics, Inc.

From Table I it may be determined that the traffic noise levels predicted by the FHWA Model were 0.2 dB higher than those measured for the traffic conditions observed at the time of the noise measurements for E. Pecan Avenue. This is considered to be excellent agreement with the model and therefore no adjustments to the model are necessary.

Exterior Noise Exposure:

Annual Average Daily Traffic (AADT) data for E. Pecan Avenue (Avenue 13) in the project vicinity was obtained from the Madera County Transportation Commission. Truck percentages and the day/night distribution of traffic were estimated by WJVA, based upon previous studies conducted in the project vicinity since project-specific data were not available from government sources. Table II summarizes annual average traffic data used to model noise exposure within the project site.

TABLE II

TRAFFIC NOISE MODELING ASSUMPTIONS
TRACT 2025, MADERA

	E. Pecan Avenue	
	Existing	2046
Annual Avenue Daily Traffic (AADT)	2,796	3,088
Day/Night Split (%)	90/10	
Assumed Vehicle Speed (mph)	40	
% Medium Trucks (% AADT)	2	
% Heavy Trucks (% AADT)	1	

Sources: Madera County Transportation Commission
WJV Acoustics, Inc.

Using data from Table II, the FHWA Model, annual average traffic noise exposure was calculated for the closest proposed backyards from E. Pecan Avenue (Avenue 13). Table III provides the exterior noise exposure levels for E. Pecan Avenue (Avenue 13), at the closest proposed residential lots to the roadway. Noise exposure was calculated for the closest residential backyards to E. Pecan Avenue (Avenue 13) for both existing and future 2046 traffic conditions.

TABLE III

MODELED TRAFFIC NOISE LEVELS, dB, L_{dn}
TRACT 2025, MADERA

Roadway	Existing Conditions	2046 Conditions
E. Pecan Avenue (Avenue 13)	56	57

Source: WJV Acoustics
Madera County Transportation Commission

Reference to Table III indicates that the traffic noise exposure at the closest proposed lots to E. Pecan Avenue (Avenue 13) would be approximately 56 dB L_{dn} for existing conditions and approximately 57 dB L_{dn} for future (2046) traffic conditions on E. Pecan Avenue. These noise exposure levels are considered to be "Completely Compatible" by the City of Madera, and mitigation measures are therefore not required for compliance with the City's applicable exterior noise level standard.

It should be noted; the northernmost proposed residential lots would be located approximately 1,300 feet from the centerline of State Route 99 (SR 99). During the project site visit WJVA conducted a 15-minute ambient noise measurement in the vicinity of Lot 1 (closest proposed lot to SR 99). Noise levels were measured to be approximately 47 dB L_{eq}.

The above-described FHWA traffic noise model becomes less accurate at distances in excess of approximately 500 feet, where atmospheric and ground absorption become a more prominent factor in noise transmission. As such, it is not considered to be accurate when calculating overall noise exposure at greater distances. Based upon the ambient noise measurement conducted in the vicinity of Lot 1, overall noise exposure within these northernmost lots would not exceed 55 dB L_{dn}, and exterior noise mitigation is therefore not required for noise compliance.

Interior Noise Exposure:

The City of Madera interior noise level standard is 45 dB L_{dn}. The worst-case future noise exposure within the proposed residential development would be approximately 57 dB L_{dn}. This means that the proposed residential construction must be capable of providing a minimum outdoor-to-indoor noise level reduction (NLR) of approximately 12 dB (57-45=12).

A specific analysis of interior noise levels was not performed. However, it may be assumed that residential construction methods complying with current building code requirements will reduce exterior noise levels by approximately 25 dB if windows and doors are closed. This will be sufficient for compliance with the City's 45 dB L_{dn} interior standard at all proposed lots. Requiring that it be possible for windows and doors to remain closed for sound insulation means that air conditioning or mechanical ventilation will be required.

CONCLUSIONS

Exterior Noise Compliance:

The proposed 33-lot combined single-family residential development (Tract 2025) will comply with applicable City of Madera exterior and interior noise level requirements provided the following measure is incorporated into final project design:

- Mechanical ventilation or air conditioning must be provided for all homes so that windows and doors can remain closed for sound insulation purposes.

The conclusions and recommendations of this acoustical analysis are based upon the best information known to WJV Acoustics Inc. (WJVA) at the time the analysis was prepared concerning the proposed site plan, project site elevation, traffic volumes and roadway configurations. Any significant changes in these factors will require a reevaluation of the findings of this report. Additionally, any significant future changes in motor vehicle technology, noise regulations or other factors beyond WJVA's control may result in long-term noise results different from those described by this analysis.

Respectfully submitted,



Walter J. Van Groningen
President

WJV:wjv

FIGURE 1: PROJECT SITE PLAN

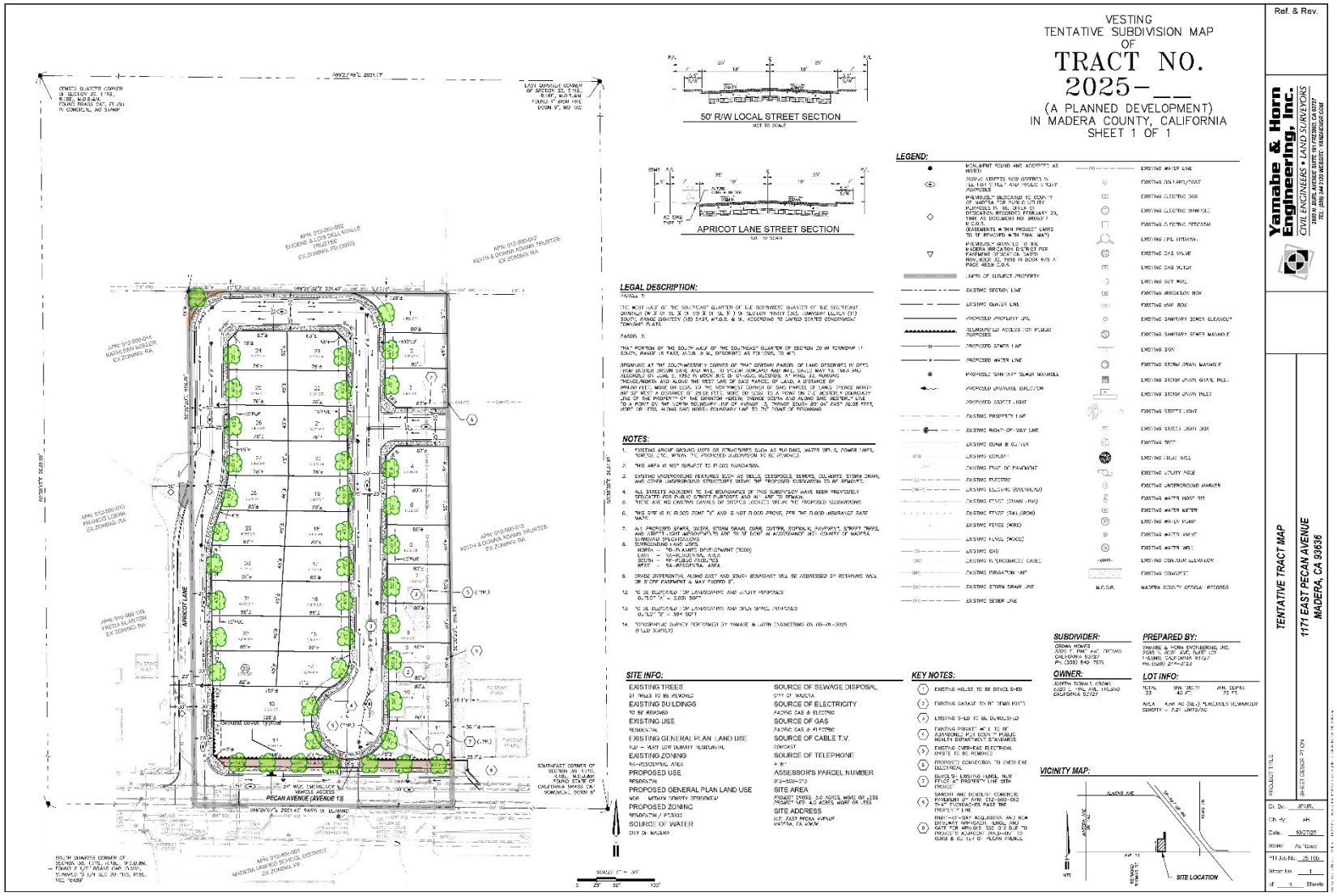


FIGURE 2: PROJECT SITE VICINITY AND NOISE MEASUREMENT LOCATION



FIGURE 3: TRAFFIC NOISE MEASUREMENT SITE



APPENDIX A

ACOUSTICAL TERMINOLOGY

AMBIENT NOISE LEVEL: The composite of noise from all sources near and far. In this context, the ambient noise level constitutes the normal or existing level of environmental noise at a given location.

CNEL: Community Noise Equivalent Level. The average equivalent sound level during a 24-hour day, obtained after addition of approximately five decibels to sound levels in the evening from 7:00 p.m. to 10:00 p.m. and ten decibels to sound levels in the night before 7:00 a.m. and after 10:00 p.m.

DECIBEL, dB: A unit for describing the amplitude of sound, equal to 20 times the logarithm to the base 10 of the ratio of the pressure of the sound measured to the reference pressure, which is 20 micropascals (20 micronewtons per square meter).

DNL/L_{dn}: Day/Night Average Sound Level. The average equivalent sound level during a 24-hour day, obtained after addition of ten decibels to sound levels in the night after 10:00 p.m. and before 7:00 a.m.

L_{eq}: Equivalent Sound Level. The sound level containing the same total energy as a time varying signal over a given sample period. L_{eq} is typically computed over 1, 8 and 24-hour sample periods.

NOTE: The CNEL and DNL represent daily levels of noise exposure averaged on an annual basis, while L_{eq} represents the average noise exposure for a shorter time period, typically one hour.

L_{max}: The maximum noise level recorded during a noise event.

L_n: The sound level exceeded "n" percent of the time during a sample interval (L_{90}, L_{50}, L_{10}, etc.). For example, L_{10} equals the level exceeded 10 percent of the time.

A-2

ACOUSTICAL TERMINOLOGY

NOISE EXPOSURE CONTOURS: Lines drawn about a noise source indicating constant levels of noise exposure. CNEL and L_{dn} contours are frequently utilized to describe community exposure to noise.

NOISE LEVEL REDUCTION (NLR): The noise reduction between indoor and outdoor environments or between two rooms that is the numerical difference, in decibels, of the average sound pressure levels in those areas or rooms. A measurement of "noise level reduction" combines the effect of the transmission loss performance of the structure plus the effect of acoustic absorption present in the receiving room.

SEL or SENEL: Sound Exposure Level or Single Event Noise Exposure Level. The level of noise accumulated during a single noise event, such as an aircraft overflight, with reference to a duration of one second. More specifically, it is the time-integrated A-weighted squared sound pressure for a stated time interval or event, based on a reference pressure of 20 micropascals and a reference duration of one second.

SOUND LEVEL: The sound pressure level in decibels as measured on a sound level meter using the A-weighting filter network. The A-weighting filter de-emphasizes the very low and very high frequency components of the sound in a manner similar to the response of the human ear and gives good correlation with subjective reactions to noise.

SOUND TRANSMISSION CLASS (STC): The single-number rating of sound transmission loss for a construction element (window, door, etc.) over a frequency range where speech intelligibility largely occurs.

APPENDIX B
EXAMPLES OF SOUND LEVELS

