County of Kings

New Fire Station No. 4
(Conditional Use Permit No. 19-10)

Initial Study/Mitigated Negative Declaration

February 2021

Prepared for:
County of Kings

Prepared by:
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Acronyms and Abbreviations

AFY ..... acre-feet/year
BPS ..... Best Performance Standards
Cal/OSHA ..... California Occupational Safety and Health Administration
CalEEMod ..... California Emissions Estimator Modeling (software)
CDFW ..... California Fish and Wildlife
CNEL ..... Community Noise Equivalent Level
County ..... County of Kings
CRHR ..... California Register of Historical Resources
CUPA ..... Certified Unified Program Agency
CWA ..... Clean Water Act
dBA ..... A-weighted decibels
DOC ..... California Department of Conservations
DPM ..... Diesel Particulate Matter
DTSC ..... (California) Department of Toxic Substances Control
DWQ ..... Department of Water Quality
DWR ..... Department of Water Resources
EA ..... Environmental Assessment
EIR ..... Environmental Impact Report
EPA ..... Environmental Protection Agency
ESA ..... Environmental Site Assessment
FEMA ..... Federal Emergency Management Agency
FIRM ..... Flood Insurance Rate Maps
USGS ..... United States Geological Survey
FMMP ..... Farmland Mapping and Monitoring Program
GC ..... Government Code
GHG ..... Greenhouse Gas
GIS ..... Geographic Information System
GP ..... General Plan
IS ..... Initial Study
IS/MND ..... Initial Study/Mitigated Negative Declaration
km ..... kilometers
Ldn ..... Day/Night Average Sound Level

LOS ..... Level of Service
LU ..... Land Use
MMRP ..... Mitigation Monitoring and Reporting Program
MND ..... Mitigated Negative Declaration
MRZ ..... Mineral Resource Zones
MTCO2e ..... Metric tons of carbon dioxide equivalent
NAAQS ..... National Ambient Air Quality Standards
NAHC ..... Native American Heritage Commission
ND ..... Negative Declaration
NOx ..... Nitrogen oxides
NPDES ..... National Pollutant Discharge Elimination System
O3 ..... Ozone
PM_{10} ..... particulate matter 10 microns in size
$PM_{2.5}$ ..... particulate matter 2.5 microns in size
ppb ..... parts per billion
ppm ..... parts per million
PRC ..... Public Resources Code
RCRA ..... Resource Conservation and Recovery Act
Reclamation ..... United States Bureau of Reclamation
RWQCB ..... Regional Water Quality Control Board
SB ..... Senate Bill
SGMA ..... Sustainasble Groundwater Management Act
SHC ..... Streets and Highways Code
SIP ..... State Implementation Plan
SJVAB ..... San Joaquin Valley Air Basin
SJVAPCD ..... San Joaquin Valley Air Pollution Control District
SO_2 ..... Sulfur Dioxide
SR ..... State Route
SWPPP ..... Storm Water Pollution Prevention Plan
SWRCB ..... State Water Resources Control Board
TAC ..... Toxic Air Contaminants
Tons/Year ..... Tons per Year
TPY ..... tons per year
USFWS ..... United States Fish and Wildlife Service
µg/m3 ..... micrograms per cubic meter

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Chapter 1 Introduction

Provost & Pritchard Consulting Group (Provost & Pritchard) has prepared this Initial Study/Mitigated Negative Declaration (IS/MND) on behalf of the County of Kings (County) to address the environmental effects of the County's proposed Fire Station No. 4 (Conditional Use Permit No. 19-10, "Project"). This document has been prepared in accordance with the California Environmental Quality Act (CEQA), Public Resources Code Section 21000 *et seq.* and the Guidelines implementing the Act, California Code of Regulations Section 51000 et seq. Pursuant to CEQA and the Guidelines, the County is the CEQA lead agency for this Project.

The Project and its location are described in detail in the **Chapter 2 Project Description**.

1.1 Regulatory Information

An Initial Study (IS) is a document prepared by a lead agency to determine whether a project may have a significant effect on the environment. In accordance with California Code of Regulations Title 14 (Chapter 3, Section 15000, *et seq.*)-- also known as the CEQA Guidelines--Section 15064 (a)(1) states that an environmental impact report (EIR) must be prepared if there is substantial evidence in light of the whole record that the Project under review may have a significant effect on the environment and should be further analyzed to determine mitigation measures or project alternatives that might avoid or reduce project impacts to less than significant levels. A negative declaration (ND) may be prepared instead if the lead agency finds that there is ***no*** substantial evidence in light of the whole record that the project may have a significant effect on the environment. An ND is a written statement describing the reasons why a Project, not otherwise exempt from CEQA, would not have a significant effect on the environment and, therefore, why it would not require the preparation of an EIR (CEQA Guidelines Section 15371). According to CEQA Guidelines Section 15070, a ND or *mitigated* ND shall be prepared for a project subject to CEQA when either:

a. The IS shows there is no substantial evidence, in light of the whole record before the agency, that the Project may have a significant effect on the environment, or

b. The IS identified potentially significant effects, but:

    1. Revisions in the project plans or proposals made by or agreed to by the applicant before the proposed MND and IS are released for public review would avoid the effects or mitigate the effects to a point where clearly no significant effects would occur is prepared, and

    2. There is no substantial evidence, in light of the whole record before the agency, that the Project *as revised* may have a significant effect on the environment.

1.2 Document Format

This IS/MND contains four chapters and five appendices, **Chapter 1 Introduction**, provides an overview of the Project and the CEQA process. **Chapter 2 Project Description**, provides a detailed description of Project components and objectives. **Chapter 3 Impact Analysis**, presents the CEQA checklist and environmental analysis for all impact areas, mandatory findings of significance, and feasible mitigation measures. If the Project does not have the potential to significantly impact a given issue area, the relevant section provides a brief discussion of the reasons why no impacts are expected. If the Project could have a potentially significant impact on a resource, the issue area discussion provides a description of potential impacts, and appropriate mitigation measures and/or permit requirements that would reduce those impacts to a less than significant level. **Chapter 3** concludes with the Lead Agency's determination based upon this initial evaluation. **Chapter 4 Mitigation**

Monitoring and Reporting Program (MMRP), provides the proposed mitigation measures, implementation timelines, and the entity/agency responsible for ensuring implementation.

The following technical studies in support of this IS/MND can be found at the end of this document:

- **Appendix A -** CalEEMod Output Files
- **Appendix B -** Biological Evaluation
- **Appendix C -** Cultural Resources Information
- **Appendix D** - Phase I Environmental Site Assessment
- **Appendix E** - Water Supply Assessment

Chapter 2 Project Description

2.1 Project Background and Objectives

2.1.1 Project Title

Kings County New Fire Station No. 4 (Conditional Use Permit No. 19-10)

2.1.2 Lead Agency (and Project Proponent) Name and Address

County of Kings
1400 W. Lacey Blvd.
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2.1.3 Contact Persons and Phone Numbers

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2.1.4 Project Location

The Project is located in unincorporated Kings County, in the secondary Sphere of Influence of the City of Hanford (see **Figure 2-1** and **Figure 2-2**). The Project is proposed on approximately 15 acres, located on Assessor's Parcel Numbers 016-130-085 and 016-130-067. The proposed placement of the Project is shown in **Figure 2-3**. The centroid of the Project area is 36.2996, -119.5978.

2.1.5 General Plan Designation, Zone Districts, and Land Uses

Table 2-1. General Plan Designations, Zone Districts, and Land Uses

Project Area	General Plan Designation	Zoning	Land Use
Project Site	AG20 - General Ag P - Public/Quasi Public	AG20 – Agriculture PF - Public	Agriculture Fire Station
Adjacent Lands:			
North	P - Public/Quasi Public	PF (Public Facility)	Agriculture, Landfill, Materials Recycling Facility
East	AG20 - General Ag, 20-acre minimum parcel size	AG20 – Agriculture	Agriculture, Rural Residential
South	AG20 - General Ag, 20-acre minimum parcel size	AG20 – Agriculture	Agriculture
West	AG20 - General Ag, 20-acre minimum parcel size	AG20 – Agriculture	Agriculture

See **Figure 2-4** and **Figure 2-5** for Kings County General Plan Land Use and Zone Districts Maps, respectively.

2.1.6 Description of Project

2.1.6.1 Project Background and Purpose

The State of California has sought to acquire a large portion of a parcel from the County, currently occupied by Fire Station No. 4 for the purposes of utilizing the land as right-of-way for its future High Speed Rail (HSR) line. As a result, the existing Fire Station will need to be replaced in order to provide services in the future.

2.1.6.2 Project Description

The County of Kings is proposing to construct a new fire station within an approximately 15-acre study area (from which a new parcel will be created in the future from Assessor Parcel No. 016-130-085, a roughly a 112-arce parcel). The new parcel will be at or near the northeast corner of the intersection of State Route (SR) 43 and Houston Avenue within the jurisdiction of the County of Kings, and lying just outside of the City limits of the City of Hanford. This parcel will surround the westerly, northerly, and easterly boundary of APNs 016-030-09, -41, & -42), which currently contains a rural single-family home and appurtenant structures. (See **Figure 2-3**)

The identified Assessor Parcel is currently owned and partially occupied by Kings Waste and Recycling Authority (KWRA), a joint powers authority comprised of Cities of Hanford, Lemoore, Corcoran and unincorporated Kings County. This parcel and immediately surrounding parcels are currently designated "Agriculture Open Space" by the *2035 Kings County General Plan*[1] and zoned "General Agricultural (AG-20), minimum 20-acre parcel size" by the *Kings County Development Code*[2].

The new parcel will be established by a Grant Deed from KWRA to the County pursuant to Section 66428(a)(2) of the Subdivision Map Act. The establishment of the new fire station requires approval of a Conditional Use Permit pursuant to the AG-20 zone as set forth in Section 404 of the County Development Code. The Kings County Public Works Department filed an application with the County Community Development Agency for Conditional Use Permit No. 19-10 on June 18, 2020.

A separate APN 016-130-670 of roughly 18.5-acres lies to the east of the intended Project site and is owned by County of Kings and is currently occupied by the existing Fire Department Station No. 4 at 7622 Houston Avenue. This station facility is approximately 5,676 sq. ft.[3], and will be converted to storage or left vacant once the new station is completed and operational. The existing well on this site will serve the new fire station requiring connection via a new pipeline extended westerly from the well to the new site within the new parcel to be created.

As shown on **Figure 2-4**, the proposed new parcel will be developed with a new fire station to replace existing County Fire Station No. 4. The new fire station is proposed to consist of the following uses within a single structure of approximately 9,900 sq. ft.:

- fire administrative offices
- fire training facility
- living quarters
- emergency operations center (EOC).

The new fire station will also include a parking lot with approximately 24 parking spaces as well as an approximately 18,550 square foot (SF) (estimated 70-ft by 265-ft.) new drainage basin for on-site collection of stormwater runoff, an existing well (described above), a new 20,000 gallon water storage tank, two new 500

[1] County of Kings, *2035 Kings County General Plan*, adopted January 26, 2010. https://www.countyofkings.com/departments/community-development-agency/information/2035-general-plan
[2] County of Kings, *Kings County Development Code,* adopted January 29, 2019, effective March 1, 2019 (Development Code No. 668.14). https://www.countyofkings.com/home/showdocument?id=19815
[3] https://www.countyofkings.com/home/showdocument?id=6582

gallon fuel storage tanks, (one for gasoline, one for diesel), a new septic system, a 30 kV emergency generator with self-contained natural gas storage, and drought-resistant landscaping.

The site will be enclosed by 6-ft high chain link perimeter security fencing. Access via key-card secured gate to the proposed development would occur from Houston Avenue via a single asphalt/concrete access drive to be located roughly 600 ft. from the edge of right-of-way of SR 43 at Houston (36°17'56.4"N and 119°35'34.6"W) and near the westerly property line of APN 016-130-09. Internal access drives will be constructed of durable dust-free, all-weather surfacing from the New Fire Station No. 4 to the Training Facility at the existing fire station to the east (36°17'56.4"N 119°35'34.6"W), as well as to the Kings Waste & Recycling Authority to the north (36°18'05.6"N 119°35'47.4"W). The aggregate length of these drives is estimated to be approximately 3,000 linear feet and will be constructed in accordance with Public Works Standard and the California Fire Code.

The Project site lies within the City of Hanford's "Secondary Sphere of Influence" (SOI) boundary.

Noise associated with construction of any kind is considered by the County General Plan to be temporary but subject to applicable County Noise Element standards. Once built, the Fire Station hours of operation will be 24 hours per day, every day. By their nature, fire station operations will emit random, short-term, piercing noises from alarms and sirens which, to accomplish critical warning to fire personal and the general public traveling are by design, not to be mitigated. As such, these loud noises are considered generally acceptable to society and therefore not subject to noise enforcement.

2.1.6.3 Construction

Construction of the Project is anticipated to be completed within twelve months, which will include site preparation, construction of the fire station and water tank, connection to natural gas in Houston Avenue, connection to the existing well, paving and fencing. Construction equipment will likely include backhoes, graders, skid steers, loaders, and hauling trucks. Daily work hours during construction will be limited to daylight hours. Typical construction equipment, such as earth graders, back-hoes, cranes, dump trucks, skip-loaders, will be used. A staging area for mobilized equipment will be identified within the new parcel. Contractor employees are expected to arrive daily in private vehicles or contractor vehicles and will park in the staging area.

Generally, construction will occur between the hours of 8am and 5pm, Monday through Friday, excluding holidays. Temporary staging and storage of materials and equipment will occur within the Project site. Post-construction activities will include site clean-up.

Although construction is not expected to generate hazardous waste, construction equipment has the potential to contain various hazardous materials such as diesel fuel, hydraulic oil, grease, solvents, adhesives, paints, and other petroleum-based products.

2.1.6.4 Operation and Maintenance

The level of staffing at the New Fire Station is not expected to change from that at the existing station.

2.1.7 Other Public Agencies Whose Approval May Be Required

- San Joaquin Valley Air Pollution Control District
- Kings Waste and Recycling Authority

2.1.8 Consultation with California Native American Tribes

Public Resources Code Section 21080.3.1, *et seq. (codification of AB 52, 2013-14)*) requires that a lead agency, within 14 days of determining that it will undertake a project, must notify in writing any California Native American Tribe traditionally and culturally affiliated with the geographic area of the project if that Tribe has previously requested notification about projects in that geographic area. The notice must briefly describe the project and inquire whether the Tribe wishes to initiate request formal consultation. Tribes have 30 days from receipt of notification to request formal consultation. The lead agency then has 30 days to initiate the consultation, which then continues until the parties come to an agreement regarding necessary mitigation or agree that no mitigation is needed, or one or both parties determine that negotiation occurred in good faith, but no agreement will be made.

The County of Kings has received written correspondence from the Santa Rosa Rancheria Tachi Yokut Tribe pursuant to Public Resources Code Section 21080.3.1 requesting notification of Project, and the ability to provide a cultural presentation before ground disturbance begins to all construction staff. Further information can be founder under **Section 3.19**.

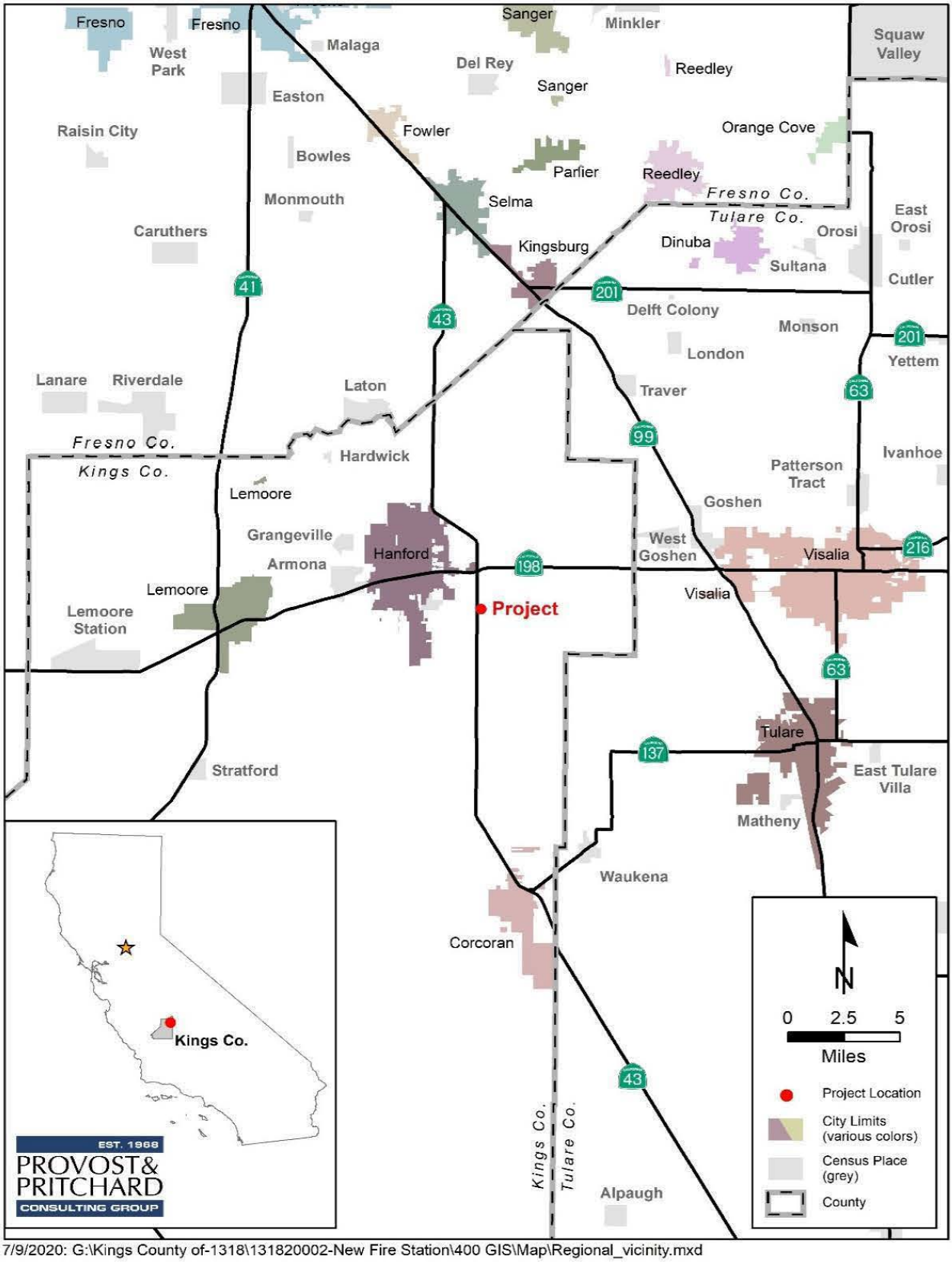

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Figure 2-1. Regional Location Map

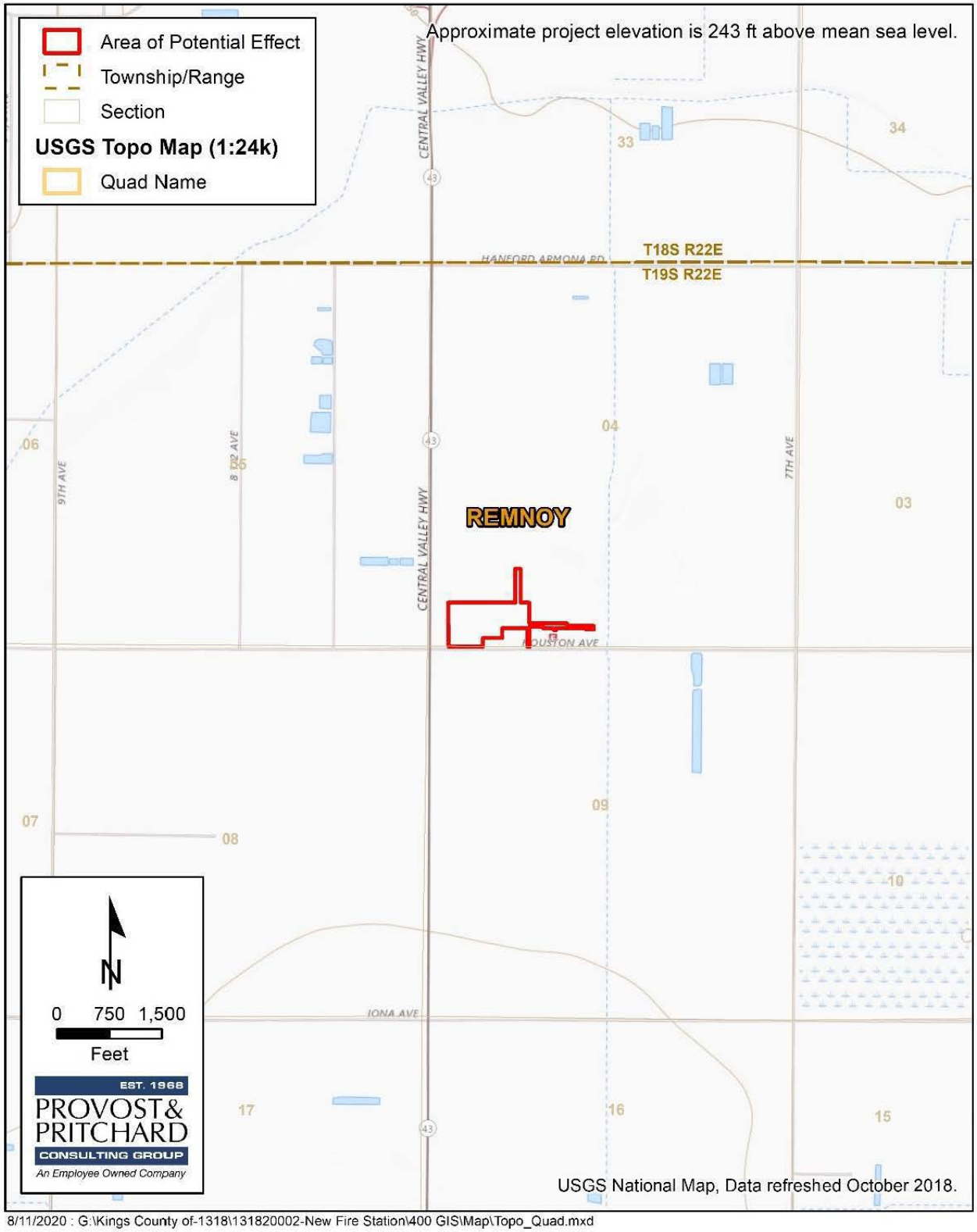

Figure 2-2. Topographic Quadrangle Map

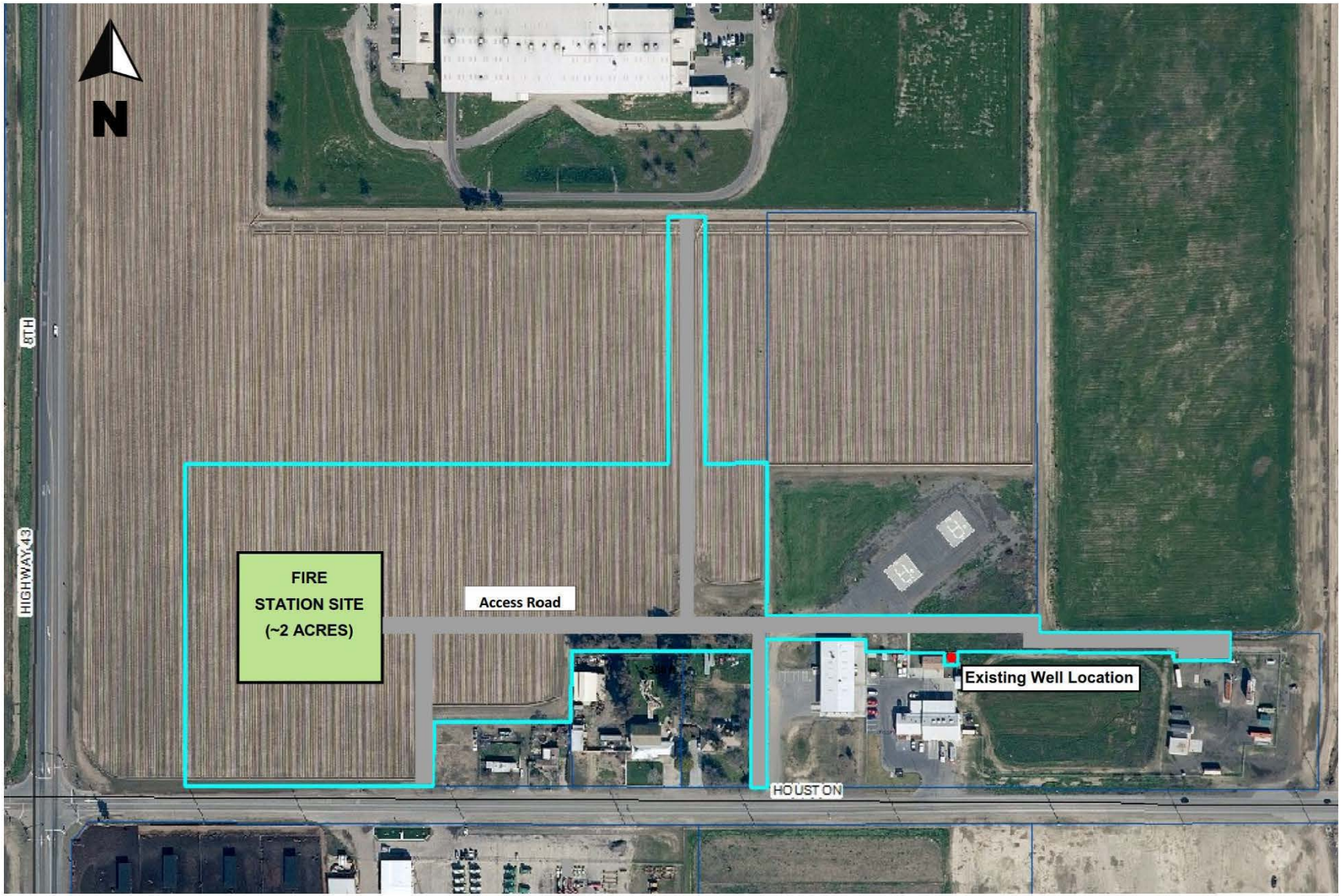

Figure 2-3. Area of Potential Effect Map

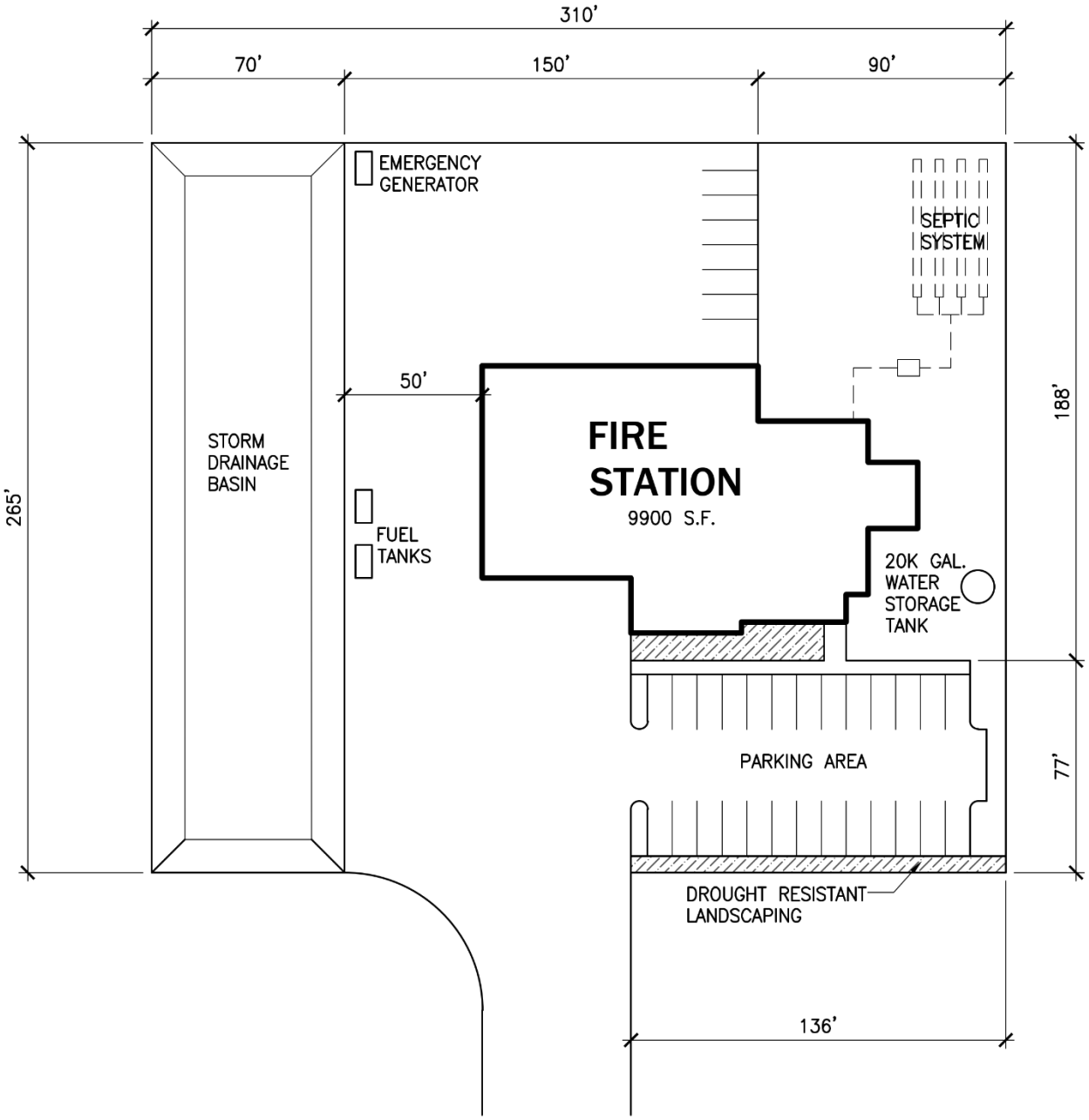

Figure 2-4. Conceptual Site Plan

Figure 2-5. Kings County General Plan Land Use Designation Map

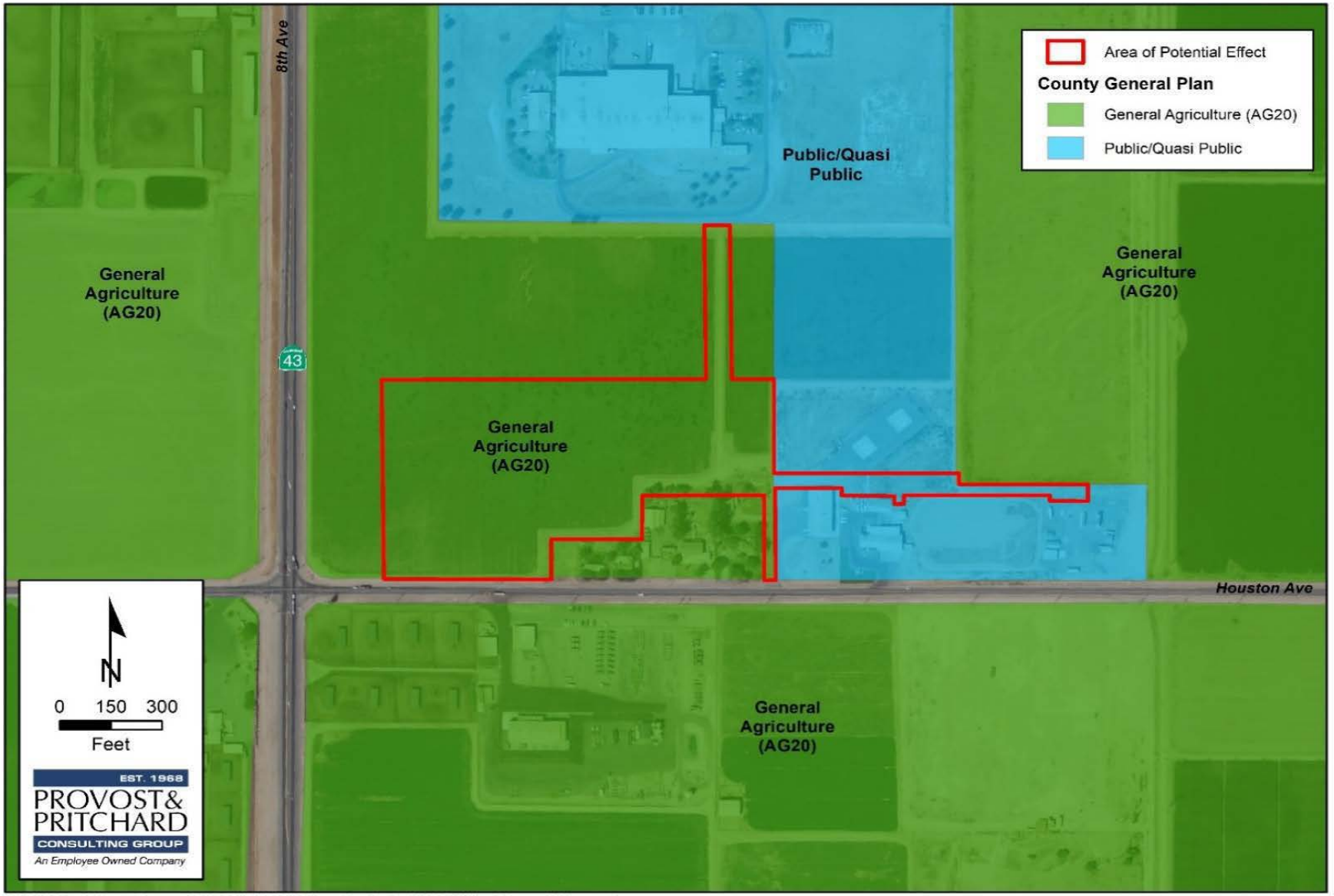

Figure 2-6. Kings County Zone District Map

Chapter 3 Impact Analysis

3.1 Environmental Factors Potentially Affected

As indicated by the discussions of existing and baseline conditions, and impact analyses that follow in this Chapter, environmental factors not checked below would have no impacts or less than significant impacts resulting from the project. Environmental factors that are. checked below would have potentially significant impacts resulting from the project. Mitigation measures are recommended for each of the potentially significant impacts that would reduce the impact to less than significant.

☐ Aesthetics	☒ Agriculture & 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

The analyses of environmental impacts here in **Chapter 4 Mitigation Monitoring and Reporting Program** are separated into the following categories:

Potentially Significant Impact. This category is applicable if there is substantial evidence that an effect may be significant, and no feasible mitigation measures can be identified to reduce impacts to a less than significant level. If there are one or more "Potentially Significant Impact" entries when the determination is made, an EIR is required.

Less than Significant with Mitigation Incorporated. This category applies where the incorporation of mitigation measures would reduce an effect from a "Potentially Significant Impact" to a "Less than Significant Impact." The lead agency must describe the mitigation measure(s), and briefly explain how they would reduce the effect to a less than significant level (mitigation measures from earlier analyses may be cross-referenced).

Less than Significant Impact. This category is identified when the Project would result in impacts below the threshold of significance, and no mitigation measures are required.

No Impact. This category applies when a project would not create an impact in the specific environmental issue area. "No Impact" answers do not require a detailed explanation if they are adequately supported by the information sources cited by the lead agency, which show that the impact does not apply to the specific project (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)

3.2 Aesthetics

Table 3-1. Aesthetics Impacts

Aesthetics Impacts				
Except as provided in Public Resources Code Section 21099, would the project:	**Potentially Significant Impact**	**Less than Significant with Mitigation Incorporated**	**Less than Significant Impact**	**No Impact**
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 areas, substantially degrade the existing visual character or quality of public views of the site and its surroundings? (Public views are those that are experienced from publicly accessible vantage point). If the project is in an urbanized area, would the project conflict with applicable zoning and other regulations governing scenic quality?	☐	☐	☒	☐
d) Create a new source of substantial light or glare which would adversely affect day or nighttime views in the area?	☐	☐	☒	☐

3.2.1 Environmental Setting and Baseline Conditions

Within Kings County, agricultural land is the predominant open space landscape, representing approximately 91 percent of all unincorporated land within the County[4]. Land in the vicinity of the Proposed project consists of relatively flat irrigated farmland, as well as rural residential and agricultural. Agricultural practices in the vicinity consist of row and field crops. Rural roadways and local water distribution canals are in the immediate vicinity. The Project involves the construction of a new Fire Station northwest of the existing rural residences now west of the existing Fire Station.

3.2.2 Regulatory Setting

3.2.2.1 Federal

There are no federal regulations, plans, programs, or guidelines associated with aesthetics that are applicable to the Project.

3.2.2.2 State

Scenic Highway Program: California's Scenic Highway Program was created by the Legislature in 1963. Its purpose is to preserve and protect scenic highway corridors from change which would diminish the aesthetic value of lands adjacent to highways. The State laws governing the Scenic Highway Program are found in the Streets and Highway Code (SHC) Section 260, *et seq*. A highway may be officially designated "scenic" depending upon how much of the natural landscape can be seen by travelers, the scenic quality of the landscape, and the extent to which development intrudes upon the traveler's enjoyment of the view. The State Scenic Highway System includes a list of highways that are either eligible for designation as scenic highways or have been so

[4]County of Kings, *2035 Kings County General Plan*, January 26, 2010 page I-3. Website: https://www.countyofkings.com/home/showdocument?id=, 3108 accessed August 2020.

designated. These highways are identified in SHC Section 263. A list of California's scenic highways and map showing their locations may be obtained from Caltrans' Scenic Highway Coordinators.[5]

3.2.2.3 Local

2035 Kings County General Plan Policies: The Open Space Element of the 2035 Kings County General Plan describes scenic resources within the county. This element identifies portions of the Kings River as a scenic natural asset and the Coast Ranges of the county's southwest edges as a distinctive visual backdrop, which are visible along State Route 41 from the northern county line to Kettleman City which lies at the eastern base of the Ranges. The South Fork of the Kings River is approximately six miles (as the crow flies) northwest of the Project site.

As one of the agricultural Counties in the Central San Joaquin Valley, Kings County's agricultural land serves a significant role in the County's agriculturally based economy, and production of food and fiber for the rest of the Country. In addition to their economic value and commodity production, the vast stretches of field crops, orchards and vineyards are also valued for their scenic beauty and representation of Kings County's identity.

Kings County Development Code: The Kings County Development Code establishes lighting regulations for Agricultural zones. It states that "All new proposed uses shall preserve the existing nighttime environment by ensuring that the outdoor lighting for the use is so arranged and/or hooded as to reflect light away from adjoining properties."[6]
General Plan goals, objectives, and policies pertaining to aesthetics:

- LU Policy D1.3.4: Preserve the existing nighttime environment by limiting the illumination of areas surrounding new development. New lighting that is part of residential, commercial, industrial, or recreational development shall be oriented away from sensitive uses, and should be hooded, shielded, and located to direct light pools downward and prevent glare.
- OS GOAL B1: Maintain and protect the scenic beauty of Kings County.
- OS OBJECTIVE B1.1: Protect and enhance views from roadways which cross scenic areas or serve as scenic entranceways to cities and communities.
- OS Policy B1.1.1: Coordinate with the Kings County Association of Governments to explore designation of State Route 41, between State Route 33 and the Kern County line, as an Official State Scenic Highway through the Caltrans Transportation Enhancement program.
- OS OBJECTIVE B1.3: Protect the scenic qualities of human-made and natural landscapes and prominent view sheds.
- OS Policy B1.3.2: Protect the visual access to Kings River and other prominent watercourses by locating and designing new development to minimize visual impacts and obstruction of views of scenic watercourses from public lands and rights-of-way.

3.2.3 Impact Assessment

a) Would the project have a substantial adverse effect on a scenic vista?

Less than Significant Impact. The Project site is predominately surrounded by agricultural lands. The scenic vistas identified by the General Plan, the Kings River and the Coast Ranges, are not within the viewshed of

[5] State of California, *Streets and Highways Code*. Website: https://leginfo.legislature.ca.gov/faces/codes_displayexpandedbranch.xhtml?tocCode=SHC&division=1.&title=&part=&chapter=&article=, accessed September 2020.
[6] Kings County *Development Code, Agricultural Zoning Districts*, Article 4 Page 4-27: Website: https://www.countyofkings.com/home/showdocument?id=24151, accessed August 2020.

these features and the site does not stand out from its surroundings in any remarkable fashion. Therefore, the impact would be less than significant.

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

No Impact. The Scenic Highway Program was created to preserve and protect designated scenic highway corridors from change that would diminish the aesthetic value of lands adjacent to highways. A highway may be officially designated "scenic" depending upon how much of the natural landscape can be seen by travelers, the scenic quality of the landscape, and the extent to which development intrudes upon the traveler's enjoyment of the view. There are no trees, rock outcroppings, or historical buildings that would be substantially damaged by the Project. There are no scenic highways in Kings County, and therefore none that are visible from the Project site[7]. There would be no impact.

c) In non-urbanized areas, would the project substantially degrade the existing visual character or quality of public views of the site and its surroundings? (Public view 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?

No Impact. The Project site is primarily surrounded by agricultural uses and is located amid lands zoned for agriculture. The new facilities will blend in with existing uses and the Project will not substantially degrade the visual character of the area. There would be no impact.

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

Less than Significant Impact. The Project proposes to relocate an existing Fire Station approximately 1,300 feet to the west. The existing Fire Station operates continuously, and the Project would continue those operations. While the Fire Station use would be expanded, additional light would be minimal, and thus the Project would have a less than significant impact on views in the area

[7] CalTrans. List of eligible and officially designated State Scenic Highways. https://dot.ca.gov/-/media/dot-media/programs/design/documents/desig-and-eligible-aug2019_a11y.xlsx. Accessed September 2020.

3.3 Agriculture and Forestry Resources

Table 3-2. Agriculture and Forest Impacts

Agriculture and Forest Impacts				
Would the project:	**Potentially Significant Impact**	**Less than Significant With Mitigation Incorporated**	**Less than Significant Impact**	**No Impact**
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?	☐	☐	☐	☒

3.3.1 Environmental Setting and Baseline Conditions

In 2017, Kings County was ranked 10th among California counties in agricultural production, with its top commodity being milk. The County is ranked 1st among California counties in cotton lint and cotton seed production; 3rd in the production of milk and cream, apricots, and tomatoes (processing); and is ranked 5th among California counties in the production of the following commodities: silage, pistachios, and peaches.[8]

A review of the "Important Farmlands" mapping by the California Department of Conservation's (DOC's) Farmland Mapping and Monitoring Program (FMMP) and as shown in **Figure 3-1**, the FMMP for Kings County designates the Project site as Farmland of Statewide Importance.

The FMMP provides statistics on conversion of farmland to nonagricultural uses. Of the total land area that was inventoried (890,798 acres), in 2016, Kings County had approximately 479,839 acres of Important Farmlands (including Prime Farmland, Farmland of Statewide Importance, Unique Farmland, and Farmland of Local Importance) and an additional 338,243 acres of grazing land. The remaining 72,654 acres of land were Urban and Built-up Land, Other Land, and Water Area. In the period between 2014 and 2016, Important

[8] County of Kings, *Kings County Agricultural Report*, 2018. Website: https://www.countyofkings.com/home/showdocument?id=20326 accessed August 2020.

Farmlands showed a net decrease of 27,694 acres within the County.[9] Pursuant to Kings County's Priority Agricultural Land Model,[10] the Project site is designated as Medium Priority.

3.3.1.1 State Regulations~

Farmland Mapping and Monitoring Program (FMMP): The FMMP produces maps and statistical data used for analyzing impacts to California's agricultural resources. Agricultural land is rated according to soil quality and irrigation status; the best quality land is called Prime Farmland. The maps are updated every two years with the use of a computer mapping system, aerial imagery, public review, and field reconnaissance.

The California DOC's 2016 FMMP is a non-regulatory program that produces "Important Farmland" maps and statistical data used for analyzing impacts on California's agricultural resources. The Important Farmland maps identify eight land use categories, five of which are agriculture related: prime farmland, farmland of statewide importance, unique farmland, farmland of local importance, and grazing land – rated according to soil quality and irrigation status. Each is summarized below[11]:

- PRIME FARMLAND (P): Farmland with the best combination of physical and chemical features able to sustain long term agricultural production. This land has the soil quality, growing season, and moisture supply needed to produce sustained high yields. Land must have been used for irrigated agricultural production at some time during the four years prior to the mapping date.
- FARMLAND OF STATEWIDE IMPORTANCE (S): Farmland similar to Prime Farmland but with minor shortcomings, such as greater slopes or less ability to store soil moisture. Land must have been used for irrigated agricultural production at some time during the four years prior to the mapping date.
- UNIQUE FARMLAND (U): Farmland of lesser quality soils used for the production of the state's leading agricultural crops. This land is usually irrigated but may include non- irrigated orchards or vineyards as found in some climatic zones in California. Land must have been cropped at some time during the four years prior to the mapping date.
- FARMLAND OF LOCAL IMPORTANCE (L): Land of importance to the local agricultural economy as determined by each county's board of supervisors and a local advisory committee.
- GRAZING LAND (G): Land on which the existing vegetation is suited to the grazing of livestock. The minimum mapping unit for Grazing Land is 40 acres.
- URBAN AND BUILT-UP LAND (D): Land occupied by structures with a building density of at least 1 unit to 1.5 acres, or approximately 6 structures to a 10-acre parcel. This land is used for residential, industrial, commercial, institutional, public administrative purposes, railroad and other transportation yards, cemeteries, airports, golf courses, sanitary landfills, sewage treatment, water control structures, and other developed purposes.
- OTHER LAND (X): Land not included in any other mapping category. Common examples include low density rural developments; brush, timber, wetland, and riparian areas not suitable for livestock grazing; confined livestock, poultry or aquaculture facilities; strip mines, borrow pits; and water bodies smaller than 40 acres. Vacant and nonagricultural land surrounded on all sides by urban development and greater than 40 acres is mapped as Other Land.
- WATER (W): Perennial water bodies with an extent of at least 40 acres.

[9] County of Kings, *Kings County Agricultural Report,* 2018. Website: https://www.countyofkings.com/home/showdocument?id=19239, accessed August 2020.
[10] County of Kings, *2035 Kings County General Plan, Resource Conservation Element,* January 26, 2010, Figure RC-13. Website: https://www.countyofkings.com/home/showdocument?id=3112, accessed August 2020
[11] California Department of Conservation. FMMP – Report and Statistics. https://www.conservation.ca.gov/dlrp/fmmp/Pages/Important-Farmland-Categories.aspx Accessed August 2020.

As demonstrated in **Figure 3-1**, the FMMP for Kings County designates the Project Site as Farmland of Statewide Importance.

3.3.1.2 Local Regulations

2035 Kings County General Plan: The Resource Conservation Element of the 2035 Kings County General Plan describes how agricultural resources continue to remain one of the highest valued assets within Kings County. Since 1969, the County has implemented several programs, ordinances, and policies to sustain agriculture. Recently, Kings County has developed the "Priority Agricultural Land Model" by using geographic information system (GIS) data and other relevant information resources to evaluate farmland resources throughout the County. The model established a "highest to lowest" priority designation of all agricultural growing areas[12].

- RC Policy B1.2.1: Require new development that results in the loss of agricultural lands to provide mitigation to offset the loss. The County's Farmland Preservation Mitigation Strategy shall require comparable acreage enrollment in the County's Farmland Security Zone.
- RC Policy B1.2.2: Conversion of agricultural land to urban uses shall require payment of mitigation fees that are based on average per acre fee for the establishment of a new Farmland Security Zone creation. All mitigation costs shall be borne by project proponent(s).
- RC Policy B1.2.3: Under the County's existing program, mitigation fees shall be used for the creation of new Farmland Security Zone contracts only and applied on willing landowner property that is greater than ten acres and located within the "Medium," "Medium-High" and "Highest" Priority Agricultural Land as defined under the County's Priority Agricultural Land Model, and within the eligible Department of Conservation farmland classifications as required by the California Land Conservation Act of 1965.
- RC Policy C1.1.2: Evaluate the effects of the loss of agricultural soils related to discretionary land use approvals for non-agricultural uses that are allowed in agriculturally zoned land.

Kings County Development Code: The Kings County Development Code establishes the basic regulations under which land within the county unincorporated areas is developed. This includes allowable or conditional uses, building setback requirements, and development standards. Pursuant to State law[13], the zoning ordinance must be consistent with the Kings County General Plan. The basic intent of the Kings County Development Code is to preserve, promote and protect the public health, safety, comfort, convenience, prosperity and general welfare via the orderly regulation of land uses throughout the unincorporated area of the County.

[12] County of Kings, *2035 Kings County General Plan, Resource Conservation Element*, January 26, 2010, Page RC-19. Website: https://www.countyofkings.com/home/showdocument?id=3112, accessed August 2020.
[13] Government Code Section 65860. Website: http://leginfo.legislature.ca.gov/faces/codes_displaySection.xhtml?lawCode=GOV&sectionNum=65860, accessed August 2020.

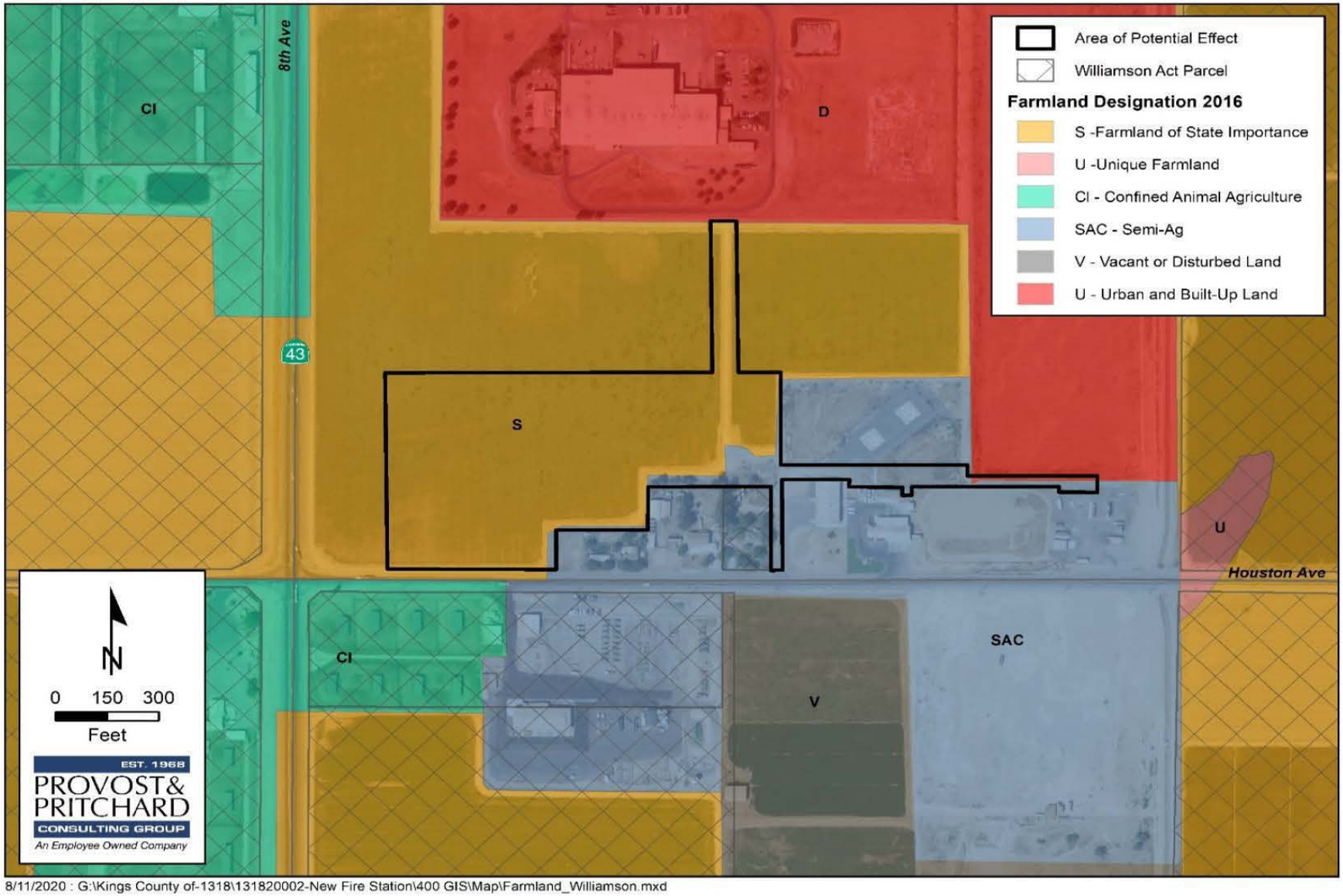

Figure 3-1. Farmland Designation Map

3.3.2 Impact Assessment

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

Less than Significant Impact. The Project would convert existing Farmland of Statewide Importance to a non-farmland use. This is a significant impact. However, implementation of AG-1, a Condition of Approval to conform with General Plan RC Policies B1.2.1, B1.2.2, and B1.2.3, will reduce this impact to less than significant.

3.3.2.1 Mitigation Measure

AG-1: Prior to ground disturbance, the County of Kings shall enroll qualified farmland of an amount equal to or greater than the amount of farmland lost, into the County's Farmland Security Zone.

b) Would the project conflict with existing zoning for agricultural use, or a Williamson Act contract?

No Impact. A Fire Station is an allowed use in the AG-20 zone, subject to the approval of a Conditional Use Permit, thus the Project would not conflict with existing zoning for agricultural use. There are no Williamson Act Preserves or contracts on the Project site, nor are any of the adjacent lands subject to the Williamson Act. Therefore, there would be no impact.

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

d) Would the project result in the loss of forest land or conversion of forest land to non-forest use?

No Impact. The Project would convert existing farmland to a public facility use. There is no forest land on the Project site. The project will have no impact on forest land, zoning for forest land or timberland, nor convert forest land to a non-forest use.

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

No Impact. The Project does not involve other changes in the existing environment, such as the requirement of additional off-site improvements, that could result in the conversion of Farmland, to a non-agricultural use, or the conversion of forest land to a non-forest use. No impact would occur.

3.4 Air Quality

Table 3-3. Air Quality Impacts

Air Quality Impacts					
Where available, the significance criteria established by the applicable air quality management district or air pollution control district may be relied upon to make the following determinations. Would the project:		**Potentially Significant Impact**	**Less than Significant with Mitigation Incorporated**	**Less than Significant Impact**	**No Impact**
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 odors) adversely affecting a substantial number of people?	☐	☐	☒	☐

3.4.1 Environmental Setting and Baseline Conditions

The Project lies within the eight-county San Joaquin Valley Air Basin (SJVAB), which is managed by the San Joaquin Valley Air Pollution Control District (SJVAPCD). Air quality in the SJVAB is influenced by a variety of factors, including topography, local and regional meteorology. National Ambient Air Quality Standards (NAAQS) and California Ambient Air Quality Standards (CAAQS) have been established for the following criteria pollutants: carbon monoxide (CO), ozone (O_3), sulfur dioxide (SO_2), nitrogen dioxide (NO_2), particulate matter (PM_{10} and $PM_{2.5}$), and lead (Pb). The CAAQS also set standards for sulfates, hydrogen sulfide, and visibility.

Air quality plans or attainment plans are used to bring the applicable air basin into attainment with all state and federal ambient air quality standards designed to protect the health and safety of residents within that air basin. Areas are classified under the Federal Clean Air Act as either "attainment", "non-attainment", or "extreme non-attainment" areas for each criteria pollutant based on whether the NAAQS have been achieved or not. Attainment relative to the State standards is determined by the California Air Resources Board (CARB). The San Joaquin Valley is designated as a State and Federal extreme non-attainment area for O_3, a State and Federal non-attainment area for $PM_{2.5}$, a State non-attainment area for PM_{10}, a Federal and State attainment area for CO, SO_2, and NO_2, and a State attainment area for sulfates, vinyl chloride and Pb.[14]

[14] San Joaquin Valley Air Pollution Control District, *Ambient Air Quality Standards and Valley Attainment Status*. Website: http://www.valleyair.org/aqinfo/attainment.htm, accessed August 2020.

3.4.2 Methodology

CalEEMod Output Files contained in **Appendix A**, were prepared using CalEEMod Version 2016.3.2 for the Project in July 2020. The model provides results for both short-term construction emissions and long-term operational emissions. The sections below detail the methodology of the air quality and greenhouse gas emissions report and its conclusions.

Short-Term Construction-Generated Emissions: The model includes emissions generated by off-road equipment, haul trucks, and worker commute trips. Emissions were quantified based on anticipated construction schedules and construction equipment requirements provided by the Project applicant. All assumptions were based on the default parameters contained in the model. Architectural coating emissions were modified to reflect SJVAPCD standards.

Long-Term Operational Emissions: All assumptions were based on the default parameters contained in the model. All results fell below adopted thresholds for criteria pollutants. Trip generation rates were replaced with the more current 10th Edition of the Institute of Traffic Engineer's Trip Generation Manual. Re-application of architectural coatings are expected to occur in 2022 or later, and so those emissions are reduced to reflect the emission standards at that time.

3.4.3 Regulatory Setting

3.4.3.1 Federal

U.S. Environmental Protection Agency

At the Federal level, the EPA has been charged with implementing national air quality programs. The EPA's air quality mandates are drawn primarily from the Clean Air Act (CAA), which was signed into law in 1970. Congress substantially amended the CAA in 1977 and again in 1990.

Federal Clean Air Act

The CAA required the EPA to establish National Ambient Air Quality Standards (NAAQS), and also set deadlines for their attainment. Two types of NAAQS have been established: primary standards, which protect public health, and secondary standards, which protect public welfare from non-health-related adverse effects, such as visibility restrictions.

The CAA also required each State to prepare an air quality control plan referred to as a State Implementation Plan (SIP). The CAA Amendments of 1990 added requirements for States with nonattainment areas to revise their SIPs to incorporate additional control measures to reduce air pollution. The SIP is periodically modified to reflect the latest emissions inventories, planning documents, and rules and regulations of the air basins as reported by their jurisdictional agencies. The EPA has responsibility to review all State SIPs to determine conformance with the mandates of the CAA, and the amendments thereof, and determine if implementation will achieve air quality goals. If the EPA determines a SIP to be inadequate, a Federal Implementation Plan (FIP) may be prepared for the nonattainment area that imposes additional control measures.

National Emission Standards for Hazardous Air Pollutants

Pursuant to the CAA of 1970, the EPA established the National Emission Standards for Hazardous Air Pollutants (NESHAP). These are technology-based source-specific regulations that limit allowable emissions of hazardous air pollutants.

3.4.3.2 State

California Air Resources Board (CARB)

The CARB is the agency responsible for coordination and oversight of State and local air pollution control programs in California and for implementing the California Clean Air Act of 1988. Other CARB duties include monitoring air quality (in conjunction with air monitoring networks maintained by air pollution control districts and air quality management districts, establishing California Ambient Air Quality Standards (CAAQS), which in many cases are more stringent than the NAAQS, and setting emissions standards for new motor vehicles. The emission standards established for motor vehicles differ depending on various factors including the model year, and the type of vehicle, fuel and engine used.

California Clean Air Act

The CCAA requires that all air districts in the State endeavor to achieve and maintain CAAQS for ozone, CO, SO_2, and NO_2 by the earliest practical date. The CCAA specifies that districts focus particular attention on reducing the emissions from transportation and area-wide emission sources, and the act provides districts with authority to regulate indirect sources. Each district plan is required to either (1) achieve a five percent annual reduction, averaged over consecutive 3-year periods, in district-wide emissions of each nonattainment pollutant or its precursors, or (2) to provide for implementation of all feasible measures to reduce emissions. Any planning effort for air quality attainment would thus need to consider both State and Federal planning requirements.

Assembly Bills 1807 & 2588 - Toxic Air Contaminants

Within California, TACs are regulated primarily through AB 1807 (Tanner Air Toxics Act) and AB 2588 (Air Toxics Hot Spots Information and Assessment Act of 1987). The Tanner Air Toxics Act sets forth a formal procedure for CARB to designate substances as TACs. This includes research, public participation, and scientific peer review before CARB designates a substance as a TAC. Existing sources of TACs that are subject to the Air Toxics Hot Spots Information and Assessment Act are required to: (1) prepare a toxic emissions inventory; (2) prepare a risk assessment if emissions are significant; (3) notify the public of significant risk levels; and (4) prepare and implement risk reduction measures.

Regulatory Attainment Designations

Under the CCAA, the CARB is required to designate areas of the State as attainment, nonattainment, or unclassified with respect to applicable standards. An "attainment" designation for an area signifies that pollutant concentrations did not violate the applicable standard in that area. A "nonattainment" designation indicates that a pollutant concentration violated the applicable standard at least once, excluding those occasions when a violation was caused by an exceptional event, as defined in the criteria. Depending on the frequency and severity of pollutants exceeding applicable standards, the nonattainment designation can be further classified as serious nonattainment, severe nonattainment, or extreme nonattainment, with extreme nonattainment being the most severe of the classifications. An "unclassified" designation signifies that the data does not support either an attainment or nonattainment designation. The CCAA divides districts into moderate, serious, and severe air pollution categories, with increasingly stringent control requirements mandated for each category.

The EPA designates areas for ozone, CO, and NO_2 as "does not meet the primary standards," "cannot be classified," or "better than national standards." For SO_2, areas are designated as "does not meet the primary standards," "does not meet the secondary standards," "cannot be classified," or "better than national standards." However, the CARB terminology of attainment, nonattainment, and unclassified is more frequently used. The EPA uses the same sub-categories for nonattainment status: serious, severe, and extreme. In 1991, EPA assigned new nonattainment designations to areas that had previously been classified as Group I, II, or III for PM_{10} based on the likelihood that they would violate national PM_{10} standards. All other areas are designated "unclassified."

The State and national attainment status designations pertaining to the SJVAB are summarized in **Table 3-4**. The SJVAB is currently designated as a nonattainment area with respect to the State PM_{10} standard, ozone, and $PM_{2.5}$ standards. The SJVAB is designated nonattainment for the NAAQS 8-hour ozone and $PM_{2.5}$ standards.

On September 25, 2008, the EPA re-designated the San Joaquin Valley to attainment status for the PM_{10} NAAQS and approved the PM_{10} Maintenance Plan.

Table 3-4. Summary of Ambient Air Quality Standards and Attainment Designation

Pollutant	Averaging Time	California Standards*		National Standards*	
		Concentration*	Attainment Status	Primary	Attainment Status
Ozone (O_3)	1-hour	0.09 ppm	Nonattainment/Severe	–	No Federal Standard
	8-hour	0.070 ppm	Nonattainment	0.075 ppm	Nonattainment (Extreme)**
Particulate Matter (PM_{10})	AAM	20 µg/m^3	Nonattainment	–	Attainment
	24-hour	50 µg/m^3		150 µg/m^3	
Fine Particulate Matter ($PM_{2.5}$)	AAM	12 µg/m^3	Nonattainment	12 µg/m^3	Nonattainment
	24-hour	No Standard		35 µg/m^3	
Carbon Monoxide (CO)	1-hour	20 ppm	Attainment/Unclassified	35 ppm	Attainment/ Unclassified
	8-hour	9 ppm		9 ppm	
	8-hour (Lake Tahoe)	6 ppm		–	
Nitrogen Dioxide (NO_2)	AAM	0.030 ppm	Attainment	53 ppb	Attainment/ Unclassified
	1-hour	0.18 ppm		100 ppb	
Sulfur Dioxide (SO_2)	AAM	–	Attainment	--	Attainment/ Unclassified
	24-hour	0.04 ppm		--	
	3-hour	–		0.5 ppm	
	1-hour	0.25 ppm		75 ppb	
Lead (Pb)	30-day Average	1.5 µg/m^3	Attainment	–	No Designation/ Classification
	Calendar Quarter	–		--	
	Rolling 3-Month Average	–		0.15 µg/m^3	
Sulfates (SO_4)	24-hour	25 µg/m^3	Attainment	No Federal Standards	
Hydrogen Sulfide (H_2S)	1-hour	0.03 ppm (42 µg/m^3)	Unclassified		
Vinyl Chloride (C_2H_3Cl)	24-hour	0.01 ppm (26 µg/m^3)	Attainment		
Visibility-Reducing Particle Matter	8-hour	Extinction coefficient: 0.23/km-visibility of 10 miles or more due to particles when the relative humidity is less than 70%.	Unclassified		

** For more information on standards visit: https://ww3.arb.ca.gov/research/aaqs/aaqs2.pdf*
*** No Federal 1-hour standard. Reclassified extreme nonattainment for the Federal 8-hour standard.*
****Secondary Standard*
Source: CARB 2015; SJVAPCD 2015

3.4.3.3 Regional

San Joaquin Valley Air Pollution Control District

The SJVAPCD is the agency primarily responsible for ensuring that NAAQS and CAAQS are not exceeded and that air quality conditions are maintained in the SJVAB, within which the Project is located. Responsibilities of the SJVAPCD include, but are not limited to, preparing plans for the attainment of ambient air quality standards, adopting and enforcing rules and regulations concerning sources of air pollution, issuing permits for stationary sources of air pollution, inspecting stationary sources of air pollution and responding to citizen complaints, monitoring ambient air quality and meteorological conditions, and implementing programs and regulations required by the CAA and the CCAA.

The SJVAPCD Rules and Regulations that are applicable to the Project include, but are not limited to, the following:

Regulation VIII (Fugitive Dust Prohibitions), Regulation VIII (Rules 8011-8081)

This regulation is a series of rules designed to reduce particulate emissions generated by human activity, including construction and demolition activities, carryout and trackout, paved and unpaved roads, bulk material handling and storage, unpaved vehicle/traffic areas, open space areas, etc. If a non-residential area is 5.0 or more acres in area, a Dust Control Plan must be submitted as specified in Section 6.3.1 of Rule 8021. Additional requirements may apply, depending on total area of disturbance.

San Joaquin Valley Air Pollution Control District Thresholds of Significance

Projects that produce emissions that exceed the significance thresholds identified in Table 3-4 shall be considered significant for a project level and/or cumulatively considerable impact to air quality.

3.4.3.4 Local

Kings County General Plan

California State Law requires every city and county to adopt a comprehensive General Plan to guide its future development. The General Plan essentially serves as a "constitution for development"— the document that serves as the foundation for all land use decisions. The 2035 Kings County General Plan includes various elements, including air quality and greenhouse gases, that address local concerns and provides goals and policies to achieve its development goals. The following objectives and policies that address air quality:

AQ OBJECTIVE C1.1: Accurately assess and mitigate potentially significant local and regional air quality and climate change impacts from Projects within the County.

AQ Policy C1.1.1: Assess and mitigate project air quality impacts using analysis methods and significance thresholds recommended by the SJVAPCD and require that projects do not exceed established SJVAPCD thresholds.

AQ Policy C1.1.3: Ensure that air quality and climate change impacts identified during CEQA review are minimized and consistently and fairly mitigated at a minimum, to levels as required by CEQA.

AQ OBJECTIVE E1.1: Increase the use of energy conservation features, renewable sources of energy, and low-emissions equipment in new and existing development projects within the County.

3.4.4 Impact Assessment

An Air Quality and Greenhouse Gas Emissions Evaluation Report (**Appendix A**) was prepared using CalEEMod, Version 2016.3.2 for the Project in September 2020. The sections below detail the methodology of the air quality and greenhouse gas emissions report and its conclusions.

3.4.4.1 Short-Term Construction-Generated Emissions

The emissions modeling includes emissions generated by off-road equipment, haul trucks, and worker commute trips. Emissions were quantified based on anticipated construction schedules and construction equipment requirements provided by the Project applicant. All remaining assumptions were based on the default parameters contained in the model. Localized air quality impacts associated with the Project would be minor and were qualitatively assessed. Modeling assumptions and output files are included in **Appendix A**.

3.4.4.2 Long-Term Operational Emissions

Long-term operational emissions associated with the Project are estimated to be minimal in nature. Maintenance will be provided on an as needed basis by existing staff, and the operational equipment, such as the use of stationary electric pumps, will be similar to the existing system which results in negligible emissions. The Project does propose the use of a natural gas-powered emergency generator. Generator use was estimated as 100 hours per year and specifications were based on those provided by the Kings County Fire Department. Modeling assumptions and output files are included in **Appendix A**.

3.4.4.3 Thresholds of Significance

To assist local jurisdictions in the evaluation of air quality impacts, the SJVAPCD has published the *Guide for Assessing and Mitigating Air Quality Impacts*. This guidance document includes recommended thresholds of significance to be used for the evaluation of short-term construction, long-term operational, odor, toxic air contaminant, and cumulative air quality impacts. Accordingly, the SJVAPCD-recommended thresholds of significance are used to determine whether implementation of the Project would result in a significant air quality impact. Projects that exceed these recommended thresholds would be considered to have a potentially significant impact to human health and welfare. The thresholds of significance are summarized, as follows:

Short-Term Emissions of Particulate Matter (PM_{10}): Construction impacts associated with the Project would be considered significant if the feasible control measures for construction in compliance with Regulation VIII as listed in the SJVAPCD guidelines are not incorporated or implemented, or if project-generated emissions would exceed 15 tons per year (TPY).

Short-Term Emissions of Ozone Precursors (ROG and NO_X): Construction impacts associated with the Project would be considered significant if the project generates emissions of Reactive Organic Gases (ROG) or NO_X that exceeds 10 TPY.

Long-Term Emissions of Particulate Matter (PM_{10}): Operational impacts associated with the Project would be considered significant if the project generates emissions of PM_{10} that exceed 15 TPY.

Long-Term Emissions of Ozone Precursors (ROG and NO_X): Operational impacts associated with the Project would be considered significant if the project generates emissions of ROG or NO_X that exceeds 10 TPY.

Conflict with or Obstruct Implementation of Applicable Air Quality Plan: Due to the region's nonattainment status for ozone, $PM_{2.5}$, and PM_{10}, if the project-generated emissions of either of the ozone precursor pollutants (i.e., ROG and NO_x) or PM_{10} would exceed the SJVAPCD's significance thresholds, then the project would be considered to conflict with the attainment plans. In addition, if the project would result in a change in land use and corresponding increases in vehicle miles traveled, the project may result in an increase in vehicle miles traveled that is unaccounted for in regional emissions inventories contained in regional air quality control plans.

Local Mobile-Source CO Concentrations: Local mobile source impacts associated with the Project would be considered significant if the project contributes to CO concentrations at receptor locations in excess of the CAAQS (i.e. 9.0 ppm for 8 hours or 20 ppm for 1 hour).

Exposure to toxic air contaminants (TAC) would be considered significant if the probability of contracting cancer for the Maximally Exposed Individual (i.e., maximum individual risk) would exceed 10 in 1 million or would result in a Hazard Index greater than 1.

Odor impacts associated with the Project would be considered significant if the project has the potential to frequently expose members of the public to objectionable odors.

a) Would the project conflict with or obstruct implementation of the applicable air quality plan?

Less than Significant Impact. As noted in impact assessment b) and c) below, implementation of the Project would not result in short-term or long-term increases in emissions that would exceed applicable thresholds of significance. Projects that do not exceed the recommended thresholds would not be considered to conflict with or obstruct the implementation of applicable air quality plans. Project related impacts to air quality would be considered less than significant.

b) 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?

Less than Significant Impact. Estimated unmitigated construction-generated emissions and operational emissions are summarized respectively in **Table 3-5** and **Table 3-6**.

Short-Term Construction-Generated Emissions

Construction-generated emissions are temporary in duration, lasting approximately one year. The construction of the Project would result in the temporary generation of emissions associated with site grading and excavation, motor vehicle exhaust associated with construction equipment and worker trips, as well as the movement of construction equipment on unpaved surfaces. The temporary generation of construction emissions would not cause thresholds for criteria pollutants to be exceeded. The impact of operations and maintenance generated emissions would be considered less than significant.

Long-Term Operational Emissions

As indicated, in **Table 3-6** operation of the Project would not result in a substantial increase in emissions nor exceed adopted thresholds for criteria pollutants. The impact of operations and maintenance generated emissions would be considered less than significant.

Table 3-5. Unmitigated Short-Term Construction-Generated Emissions of Criteria Air Pollutants

Source	Annual Emissions (Tons/Year) [1]					
	ROG	NO_X	CO	SO_2	PM10	PM2.5
2021	0.3224	2.1579	1.9861	0.0041	0.1994	0.1255
SJVAPCD Significance Thresholds:	*10*	*10*	*100*	*27*	*15*	*15*
Exceed SJVAPCD Thresholds?	***No***	***No***	***No***	***No***	***No***	***No***

1. Emissions were quantified using CalEEmod Output Files Version 2016.3.2. Refer to ***Appendix A*** *for modeling results and assumptions. Totals may not sum due to rounding.*

Table 3-6. Unmitigated Long-Term Operational Emissions

Source	Annual Emissions (Tons/Year) (1)					
	ROG	NO_X	CO	SO_2	PM_{10}	$PM_{2.5}$
Maximum Annual Project Emissions:	0.1399	0.0411	0.2551	0.0002	0.0072	0.0027
SJVAPCD Significance Thresholds:	*10*	*10*	*100*	*27*	*15*	*15*
Exceed SJVAPCD Thresholds?	***No***	***No***	***No***	***No***	***No***	***No***

1. *Emissions were quantified using CalEEmod Output Files Version 2016.3.2. Refer to* ***Appendix A*** *for modeling results and assumptions. Totals may not sum due to rounding.*

c) Would the project expose sensitive receptors to substantial pollutant concentrations?

Toxic Air Contaminants

Less than Significant Impact. As depicted in **Table 3-7**, implementation of the Project would not result in the long-term operation of any major onsite stationary sources of TACs, nor would Project implementation result in a substantial increase in vehicle trips along area roadways, in comparison to existing conditions. However, construction of the Project may result in temporary increases in emissions of diesel-exhaust particulate matter (DPM) associated with the use of off-road diesel equipment during construction. Health-related risks associated with diesel-exhaust emissions are primarily associated with long-term exposure and associated risk of contracting cancer. As such, the calculation of cancer risk associated with exposure of to TACs are typically calculated based on a long-term (e.g., 70-year) period of exposure. The use of diesel-powered construction equipment, however, would be temporary and episodic and would occur over a relatively large area. Construction activities would occur over an approximate twelve-month construction period which would constitute less than 1 percent of the typical 70-year exposure period. As a result, exposure to construction-generated DPM would not be anticipated to exceed applicable thresholds (i.e. incremental increase in cancer risk of 10 in one million). Furthermore, no sensitive land uses have been identified in the vicinity of the proposed construction areas. For these reasons, this impact would be considered less than significant.

Table 3-7. Maximum Daily Emissions of Construction- and Operations-Generated Criteria Air Pollutants

Source	Annual Emissions (pounds per day) [1]					
	ROG	NO_x	CO	SO_2	PM_{10}	$PM_{2.5}$
Construction, Summer	8.9341	20.2560	17.2996	0.0359	7.5966	4.2446
Construction, Winter	8.9337	20.2638	16.9365	0.0350	7.5966	4.2446
Operations, Summer	0.2868	0.1773	0.1600	0.0009	0.0379	0.0125
Operations, Winter	0.2850	0.1796	0.1522	0.0008	0.0379	0.0125
SJVAPCD Screening Thresholds:	*100*	*100*	*100*	*100*	*100*	*100*
Exceed SJVAPCD Thresholds?	*No*	*No*	*No*	*No*	*No*	*No*

[1] Emissions were quantified using CalEEmod Version 2016.3.2. Refer to Appendix A for modeling results and assumptions. Totals may not sum due to rounding.

Naturally Occurring Asbestos

Naturally occurring asbestos, which was identified by ARB as a TAC in 1986, is located in many parts of California and is commonly associated with ultramafic rock. The Project site is not located near any areas that are likely to contain ultramafic rock[15]. As a result, risk of exposure to asbestos during the construction process would be considered less than significant.

Fugitive Dust

Construction of the Project would include ground-disturbing activities which would be anticipated to result in increased emissions of airborne particulate matter. The Project would be required to comply with SJVPACD Regulation VIII (Fugitive PM_{10} Prohibitions). Mandatory compliance with SJVAPCD Regulation VIII would reduce emissions of fugitive dust from the Project site. As a result, localized emissions of airborne particulate matter emitted during construction would be considered less than significant.

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

Less than Significant Impact. Implementation of the Project would not result in long-term emissions of odors. However, construction of the Project would involve the use of a variety of gasoline or diesel-powered equipment that would emit exhaust fumes. Exhaust fumes, particularly diesel-exhaust, may be considered objectionable by some people. However, construction activities will be short term and occur over one year. As a result, short-term construction activities would not expose a substantial number of people to frequent odorous emissions. The fire station will generate minimal daily traffic trips similar to existing conditions. Therefore, impacts related to pollutant concentrations are considered less than significant.

[15] Van Gosen, B.S. and J.P. Clinkenbeard. 2011. *Report Historic Asbestos Mines, Historic Asbestos Prospects, and Other Natural Occurrences of Asbestos in California – California Geological Survey map Sheet 59*. United States Geological Survey. Website: https://pubs.usgs.gov/of/2011/1188/, accessed August 2020.

3.5 Biological Resources

Table 3-8. Biological Resources Impacts

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

3.5.1 Environmental Setting and Baseline Conditions

The Project site is located within unincorporated Kings County, California, situated approximately 1.3 miles from the city limits of Hanford. Kings County is situated on the valley floor near the base of the Diablo Range in the lower San Joaquin Valley, part of the Great Valley of California. The Valley is bordered by the Sierra Nevada Mountain Ranges to the east, the Coast Ranges to the west, the Klamath Mountains and Cascade Range to the north, and the Transverse Ranges and Mojave Desert to the south.

Like most of California, the San Joaquin Valley experiences a Mediterranean climate. Warm, dry summers are followed by cool, moist winters. Summer temperatures often reach above 90 degrees Fahrenheit, and the humidity is generally low. Winter temperatures are often below 60 degrees Fahrenheit during the day and rarely

exceed 70 degrees Fahrenheit. On average, the Central Valley receives approximately 12 inches of precipitation in the form of rainfall yearly, most of which occurs between October and April.

The Project is located approximately 11 miles south of the Kings River, within the Guernsey Slough watershed; Hydrologic Unit Code (HUC): 180300122001.[16] The nearest surface water feature is the channelized Lakeside irrigation canal, located approximately 0.2 miles east of the Project area. The Project lies entirely within the Tulare Lake Groundwater Subbasin of the San Joaquin Valley Groundwater Basin.[17]

3.5.2 Regulatory Setting

3.5.2.1 State

General plans, area plans, and specific projects are subject to the provisions of CEQA. The purpose of CEQA is to assess the impacts of Projects on the environment prior to project implementation. Impacts to biological resources are just one type of environmental impact assessed under CEQA and can vary from project to project in terms of scope and magnitude. Projects requiring removal of vegetation may result in the mortality or displacement of animals associated with this vegetation. Animals adapted to humans, roads, buildings, and pets may replace those species formerly occurring on a site. Plants and animals that are State and/or federally listed as threatened or endangered may be destroyed or displaced. Sensitive habitats such as wetlands and riparian woodlands may be altered or destroyed. Such impacts may be considered either "significant" or "less-than-significant" under CEQA. According to *California Environmental Quality Act, Statute and Guidelines* (AEP 2012), "significant 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 interest. Specific project impacts to biological resources may be considered "significant" if they would:

- 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 CDFW or USFWS;
- 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 CDFW or USFWS;
- Have a substantial adverse effect on federally protected wetlands as defined by Section 404 of the Clean Water Act (including, but not limited to, marsh, vernal pool, coastal, etc.) through direct removal, filling, hydrological interruption, or other means;
- 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;
- Conflict with any local policies or ordinances protecting biological resources, such as a tree preservation policy or ordinance; or
- Conflict with the provisions of an adopted Habitat Conservation Plan, Natural Community Conservation Plan, or other approved local, regional, or State habitat conservation plan.

Furthermore, CEQA Guidelines Section 15065(a) states that a project may trigger the requirement to make a "mandatory finding of significance" if the project has the potential to:

[16] EPA Waters GeoViewer. https://epa.maps.arcgis.com/apps/webappviewer/index.html?id=ada349b90c26496ea52aab66a092593b (Accessed July 2020).
[17] California Department of Water Resources. 2020. Groundwater Basin Boundary Assessment Tool. https://gis.water.ca.gov/app/bbat/ (Accessed July 2020).

"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."

3.5.2.2 Local

The Kings County General Plan contains the following policies related to the preservation of biological resources that may be considered relevant to the Project's environmental review.

- Preserve land that contains important natural plant and animal habitats;
- Require that development in or adjacent to important natural plant and animal habitats minimize the disruption of such habitats;
- Ensure that, in development decisions affecting riparian environments, the conservation of fish and wildlife habitat and the protection of scenic qualities are balanced with other purposes representing basic health, safety, and economic needs;
- Balance the protection of the County's diverse plant and animal communities with the County's economic needs;
- Require mitigation measures to protect important plant and wildlife habitats;
- Require as a primary objective in the review of development projects the preservation of healthy native oaks and other healthy native trees; and,
- Maintain to the maximum extent practical the natural plant communities utilized as habitat by threatened and endangered species.

3.5.3 Methodology

Biological Reconnaissance Survey: A biological reconnaissance survey was conducted on July 10, 2020. The survey consisted of walking through the Project area while identifying and noting land uses, biological habitats and communities, and plant and animal species encountered. Furthermore, the site and surrounding areas were assessed for suitable habitats utilized by various wildlife species. A Biological Evaluation prepared in August 2020 can be found in **Appendix B**.

Prior to conducting the biological reconnaissance survey, a review of the California Department of Fish and Wildlife (CDFW) California Natural Diversity Database (CNDDB); the California Native Plant Society (CNPS) Online Inventory of Rare and Endangered Vascular Plants of California; CalFlora's online database of California native plants; the Jepson Herbarium online database (Jepson eFlora); United States Fish and Wildlife Service (USFWS) Environmental Conservation Online System (ECOS); the NatureServe Explorer online database; the United States Department of Agriculture (USDA) Natural Resources Conservation Service (NRCS) Plants Database; the CDFW California Wildlife Habitat Relationships (CWHR) database; the California Herps online database; and various manuals, reports, and references related to plants and animals of the San Joaquin Valley region was performed to determine the presence of special status species in the vicinity of the Project site. These special status animal and plant species, and their potential to occur within the Project area are listed respectively in **Table 3-9** and **Table 3-10** on the following pages.

Table 3-9. List of Special Status Animals with Potential to Occur Onsite and/or in the Vicinity

List of Special Status Animals with Potential to Occur Onsite and/or in the Vicinity			
Species	**Status**	**Habitat**	**Occurrence on Project Site**
blunt-nosed leopard lizard *(Gambelia sila)*	FE, CE, CFP	Inhabits semi-arid grasslands, alkali flats, low foothills, canyon floors, large washes, and arroyos, usually on sandy, gravelly, or loamy substrate, sometimes on hardpan. Often found where there are abundant rodent burrows in dense vegetation or tall grass. Cannot survive on lands under cultivation. Known to bask on kangaroo rat mounds and often seeks shelter at the base of shrubs, in small mammal burrows, or in rock piles. Adults may excavate shallow burrows but rely on deeper pre-existing rodent burrows for hibernation and reproduction.	**Absent**. The disturbed habitats onsite and in the surrounding areas are unsuitable for this species. The nearest observation of this species was recorded in 1990, approximately 9 miles southwest of the Project in valley sink scrub habitat.
burrowing owl *(Athene cunicularia)*	CSC	Resides in open, dry annual or perennial grasslands, deserts, and scrublands with low growing vegetation. Nests underground in existing burrows created by mammals, most often ground squirrels.	**Unlikely**. Ground squirrels and burrows were absent from the Project area and surrounding lands at the time of the field survey. The frequently disturbed Project area comprised of an actively managed agricultural field and compacted dirt pathways is unsuitable for this species. Aerial imagery of the surrounding area, specifically the land adjacent to the Kings Waste and Recycling Authority, indicates that nearby vacant lots are regularly disced. At most, a burrowing owl individual could pass over or through the site but would not be expected to nest or forage within or adjacent to proposed impact areas due to the lack of burrows and vegetation. The nearest observation of this species was recorded in 2017, approximately 7 miles northeast of the Project in vernal pool-grassland habitat.
California tiger salamander *(Ambystoma californiense)*	FT, CT, CWL	Requires vernal pools or seasonal ponds for breeding and small mammal burrows for aestivation. Generally found in grassland and oak savannah plant communities in central California from sea level to 1500 feet in elevation.	**Absent**. Suitable breeding and aestivation habitats are absent from the Project area due to the highly disturbed area. The nearest observation of this species was recorded in 1999, approximately 7 miles northeast of the Project in vernal pool-grassland habitat.
loggerhead shrike *(Lanius ludovicianus)*	CSC	Frequents open habitats with sparse shrubs and trees, other suitable perches, bare ground, and low herbaceous cover. In the Central Valley, nests in riparian areas, desert scrub, and agricultural hedgerows.	**Unlikely**. Suitable nesting trees and shrubs are absent from the Project area and surrounding area. The only regional recorded observation of this species occurred approximately 14 miles northeast of the Project area more than 25 years ago in riparian habitat adjacent to Cottonwood creek. At most, a loggerhead shrike individual could potentially pass over or through the site but would not be expected to nest or forage within or adjacent to proposed impact areas.
San Joaquin kit fox *(Vulpes macrotis mutica)*	FE, CT	Underground dens with multiple entrances in alkali sink, valley grassland, and woodland in valleys and adjacent foothills.	**Unlikely**. In the past 25 years there have been two recorded observations of this species within 5 miles of the Project area. However, the highly disturbed habitats of the Project area are unsuitable for this species. Furthermore, the Project area is bordered to the east and south by two major roadways. The Project is located approximately 74 miles east-southeast of the nearest known core population in Ciervo-Panoche Natural Area. Although some populations of San Joaquin Kit Fox in other parts of California have adapted to an urbanized environment, modern kit fox occurrences are

List of Special Status Animals with Potential to Occur Onsite and/or in the Vicinity			
Species	**Status**	**Habitat**	**Occurrence on Project Site**
			locally scarce. At most, this species could conceivably pass through the Project area during dispersal movements.
Swainson's hawk *(Buteo swainsoni)*	CT	Nests in large trees in open areas adjacent to grasslands, grain or alfalfa fields, or livestock pastures suitable for supporting rodent populations.	**Possible.** Swainson's hawks are relatively common in this portion of the Central Valley. There are numerous recorded observations of this species in the vicinity of the Project area, including a nest tree recorded approximately one mile southeast of the Project area in 2016. Nesting habitat is present directly adjacent to the site in the form of eucalyptus trees, but none were observed.
Tipton kangaroo rat *(Dipodomys nitratoides nitratoides)*	FE, CE	Burrows in soil. Often found in grassland and shrubland.	**Absent**. The disturbed habitats of the Project area are generally unsuitable for this species. No burrow precincts or tail drags were observed during the field survey. The nearest observation of this species was recorded in 2008 in iodine bush scrub habitat approximately 7.5 miles southwest of the Project area. This occurrence record contains a note which states, "this is a completely isolated population."
tricolored blackbird *(Agelaius tricolor)*	CT, CSC	Nests colonially near fresh water in dense cattails or tules, or in thickets of riparian shrubs. Forages in grassland and cropland. Large colonies are often found on dairy farm forage fields.	**Possible**. Suitable nesting habitat was absent from the Project area at the time of the field surveys; however, based on the conditions which would be present before construction, suitable foraging habitat for this species is present across much of the site in the form of a recently harvested corn field.
vernal pool fairy shrimp *(Branchinecta lynchi)*	FT	Occupies vernal pools, clear to tea-colored water, in grass or mud-bottomed swales, and basalt depression pools.	**Absent**. Suitable vernal pool habitat for this species is absent from the Project area and surrounding lands.
vernal pool tadpole shrimp *(Lepidurus packardi)*	FE	Occurs in vernal pools, clear to tea-colored water, in grass or mud-bottomed swales, and basalt depression pools.	**Absent**. Suitable vernal pool habitat for this species is absent from the Project area and surrounding lands.
western mastiff bat *(Eumops perotis californicus)*	CSC	Found in open, arid to semi-arid habitats, including dry desert washes, flood plains, chaparral, oak woodland, open ponderosa pine forest, grassland, and agricultural areas, where it feeds on insects in flight. Roosts most commonly in crevices in cliff faces but may also use high buildings and tunnels.	**Possible.** Breeding habitat is absent from the Project area and surrounding lands. The agricultural field could be used for nocturnal foraging.
western pond turtle *(Emys marmorata)*	CSC	An aquatic turtle of ponds, marshes, slow-moving rivers, streams, and irrigation ditches with riparian vegetation. Requires adequate basking sites and sandy banks or grassy open fields to deposit eggs.	**Absent**. Suitable aquatic habitat is absent from the Project area and the vicinity. Upland habitat for nesting and wintering is absent.
western spadefoot *(Spea hammondii)*	CSC	Prefers open areas with sandy or gravelly soils, in a variety of habitats including mixed woodlands, grasslands, coastal sage scrub, chaparral, sandy washes, lowlands, river floodplains, alluvial fans, playas, alkali flats, foothills, and mountains. Vernal pools or temporary wetlands, lasting a minimum of three weeks, which do not contain bullfrogs, fish, or crayfish are necessary for breeding.	**Absent**. The highly disturbed habitats of the Project area and surrounding lands are unsuitable for this species. Wetland or vernal pools for breeding and burrows for aestivation are absent from the Project area. Based on recorded observations, this species likely occurs the uncultivated grasslands and vernal pools near Cross Creek and Cottonwood Creek, approximately 7.5 miles northeast of the Project.

Table 3-10. List of Special Status Plants with Potential to Occur Onsite and/or in the Vicinity

List of Special Status Plants with Potential to Occur Onsite and/or in the Vicinity			
Species	**Status**	**Habitat**	**Occurrence on Project Site**
alkali-sink goldfields (*Lasthenia chrysantha*)	CNPS 1B	Found in vernal pool and wetland, saline habitats in the Central Valley of California. This facultative species grows at elevations below 650 feet. Blooms February – April.	**Absent**. Habitat required by this species is absent from the Project area.
brittlescale *(Atriplex depressa)*	CNPS 1B	Found in the San Joaquin Valley and Sacramento Valley in alkaline or clay soils, typically in meadows or annual grassland in at elevations below 1050 feet. Sometimes associated with vernal pools. Blooms June–October.	**Absent**. The disturbed habitats of the Project area are unsuitable for this species. The only regional recorded observations of this species are from historical collections and mapped over 10 miles from the Project area.
California alkali grass *(Puccinellia simplex)*	CNPS 1B	Found in the San Joaquin Valley and other parts of California in saline flats and mineral springs within valley grassland and wetland-riparian communities at elevations below 3000 feet. Blooms March–May.	**Absent**. The disturbed habitats of the Project area are unsuitable for this species. The only regional recorded observations of this species are either from historical collections or are mapped within vernal pool habitats adjacent to Cross Creek and Cottonwood creek.
Earlimart orache *(Atriplex cordulata var. erecticaulis)*	CNPS 1B	Found in the San Joaquin Valley in saline or alkaline soils, typically within valley and foothill grassland at elevations below 375 feet. Blooms August–September.	**Absent**. The disturbed habitats of the Project area are unsuitable for this species. The nearest recorded observation of this species occurred in 1994 in alkali sink habitat 6.5 miles southeast of the Project area.
heartscale *(Atriplex cordulata var. cordulata)*	CNPS 1B	Found in the San Joaquin Valley and Sacramento Valley in saline or alkaline soils within shadescale scrub, valley grassland, and wetland-riparian communities at elevations below 900 feet. Blooms June–July.	**Absent**. The disturbed habitats of the Project area are unsuitable for this species. The only regional recorded observation of this species is from a historical (1938) collection mapped approximately 9.5 miles east-northeast of the Project area.
lesser saltscale *(Atriplex minuscula)*	CNPS 1B	Found in the San Joaquin Valley in sandy, alkaline soils in alkali scrub, valley and foothill grassland, and alkali sink communities at elevations below 750 feet. Blooms April–October.	**Absent**. The disturbed habitats of the Project area are unsuitable for this species. The nearest recorded observations of this species occurred in vernal pool habitat in the vicinity of Cross Creek.
mud nama (Nama stenocarpa)	CNPS 2B	This facultative wetland species is primarily found in marshes and swamps, and on riverbanks and lake shores. Occurs at elevations below 2,675 feet in southern California as well as the San Joaquin Valley. Blooms March – October.	**Absent**. Habitat required by this species is absent from the Project area. The only regional recorded observation of this species occurred in 1999 approximately 7 miles southwest of the Project area within a flood control channel.
recurved larkspur *(Delphinium recurvatum)*	CNPS 1B	Occurs in poorly drained, fine, alkaline soils in grassland and alakli scrub communities at elevations between 100 feet and 2600 feet. Blooms March–June.	**Absent**. The disturbed habitats of the Project area are unsuitable for this species. The only regional recorded observation of this species is from a historical (1914) collection mapped approximately 5.5 miles southwest of the Project area.
subtle orache *(Atriplex subtilis)*	CNPS 1B	Found in the San Joaquin Valley in saline depressions in alkaline soils within valley and foothill grassland communities at elevations below 330 feet. Blooms June–October.	**Absent**. The disturbed habitats of the Project area are unsuitable for this species. The nearest recorded observation of this species occurred in 1994 in 6.5 miles southeast of the Project area.

EXPLANATION OF OCCURRENCE DESIGNATIONS AND STATUS CODES

Present:	Species observed on the site at time of field surveys or during recent past
Likely:	Species not observed on the site, but it may reasonably be expected to occur there on a regular basis
Possible:	Species not observed on the site, but it could occur there from time to time
Unlikely:	Species not observed on the site, and would not be expected to occur there except, perhaps, as a transient
Absent:	Species not observed on the site, and precluded from occurring there due to absence of suitable habitat

STATUS CODES

FE	Federally Endangered
FT	Federally Threatened
FPE	Federally Endangered (Proposed)
FPT	Federally Threatened (Proposed)
FC	Federal Candidate
CE	California Endangered
CT	California Threatened
CCT	California Threatened (Candidate)
CFP	California Fully Protected
CSC	California Species of Special Concern
CWL	California Watch List
CCE	California Endangered (Candidate)
CR	California Rare

CNPS LISTING

1A	Plants Presumed Extinct in California
1B	Plants Rare, Threatened, or Endangered in California and elsewhere
2	Plants Rare, Threatened, or Endangered in California, but more common elsewhere

3.5.4 Impact Assessment

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

Less than Significant Impact with Mitigation Incorporated.

Project-Related Mortality and/or Disturbance of Nesting Raptors, Migratory Birds, and Special Status Birds

Portions of the site contain marginal foraging habitat for several avian species, including the Swainson's hawk and tricolored blackbird. The site contains multiple eucalyptus trees, including one large enough for raptors to nest in. The adjacent residential lots also contain large eucalyptus trees and a few ornamental trees. Smaller avian species may nest within ornamental trees and shrubs in residential backyards. Ground-nesting birds, such as the killdeer could nest on the bare ground, and swallows could nest within buildings or structures in the vicinity.

Swainson's hawks are common in this portion of Kings County, and there are known nest trees within five miles of the Project area. In the absence of preferred habitat, especially within the Central Valley, Swainson's hawks often nest within eucalyptus trees lining highways, and several raptor species nest within ornamental Mexican fan palms. Although nesting habitat onsite and in the vicinity is not ideal due to the absence of native riparian trees, and foraging habitat is suboptimal, raptors, such as the special status Swainson's hawk could conceivably nest or forage near the Project area. In the event that a Swainson's hawk or other avian species is foraging within the site during construction activities, the individual would be expected to fly away from disturbance they encounter, subsequently eliminating the risk of injury or mortality while foraging. Birds nesting within the site or on the ground could be injured or killed by Project activities. Furthermore, construction activities could disturb birds nesting within or adjacent to work areas, resulting in nest abandonment. Construction activities that adversely affect the nesting success of raptors and migratory birds or result in the mortality of individual birds constitute a violation of State and federal laws and are considered a significant impact under CEQA.

The Project area is located within the historic and current distribution range for the special status tricolored blackbird. However, tricolored blackbirds are nearly extirpated from Kings County and very few sites have recently been occupied by a breeding colony in any given year. While suitable breeding habitat was not observed at the time of the field survey or during any of the site visits, the agricultural field onsite could be utilized for a as foraging habitat for this species. Although unlikely, if a breeding colony of tricolored blackbirds were present within the field planned for construction, nests could be disturbed or destroyed, resulting in nest abandonment and reproductive failure.

Due to the ruderal nature of the lands, nesting and foraging habitat for raptors, resident and migratory birds, and special status birds within the Project area is marginal, at best. Habitat of higher foraging and nesting value is regionally abundant. Therefore, the development resulting from implementation of the Project would not be considered a significant loss of foraging or nesting habitat under CEQA.

Nesting bird season is generally accepted as February 1 through August 31; however, Swainson's hawk nesting season is generally accepted as March 1 through September 15. For simplicity, these timeframes have been combined.

Implementation of the following measures would reduce potential impacts to nesting raptors, migratory birds, and special status birds, including Swainson's hawk and tricolored blackbird to a less than significant level under CEQA, and would ensure compliance with State and federal laws protecting these avian species. The following measures would be implemented prior to the start of construction:

3.5.4.1 Mitigation Measures

BIO-1 (Avoidance): The Project's construction activities shall occur, if feasible, between September 16 and January 31 (outside of nesting bird season) in an effort to avoid impacts to nesting birds.

BIO-2 (Pre-construction Surveys): If activities must occur within nesting bird season (February 1 to September 15), a qualified biologist shall conduct pre-construction surveys for active nests within ten (10) days prior to the start of construction. The survey shall include the proposed work area and surrounding lands within 0.5 mile. If no active nests are observed, no further mitigation is required. Raptor nests are considered "active" upon the nest-building stage.

BIO-3 (Establish Buffers): On discovery of any active nests or breeding colonies near work areas, the biologist shall determine appropriate construction setback distances based on applicable CDFW and/or USFWS guidelines and/or the biology of the species in question. Specifically, a 300-foot disturbance-free buffer shall be implemented around breeding colonies of tricolored blackbird, and a 0.5-mile disturbance-free buffer shall be implemented around active Swainson's hawk nests, if feasible. Construction buffers shall be identified with flagging, fencing, or other easily visible means, and shall be maintained until the biologist has determined that the nestlings have fledged.

BIO-4 (WEAP Training): On discovery of any special status bird species, all personnel associated with Project construction shall attend mandatory Worker Environmental Awareness Program (WEAP) training, conducted by a qualified biologist, prior to initiating construction activities (including staging and mobilization). The specifics of this program shall include identification of the special status species and suitable habitats, a description of the regulatory status and general ecological characteristics of the species, and review of the limits of construction and mitigation measures required to reduce impacts to biological resources within the work area. A fact sheet conveying this information, along with photographs or illustrations of the special status species, shall also be prepared for distribution to all contractors, their employees, and all other personnel involved with construction of the Project. All

employees shall sign a form documenting that they have attended WEAP training and understand the information presented to them.

Determinations of potential impacts to Swainson's hawks and tricolored blackbirds as well as appropriate mitigation measures are consistent with the Conditional Use Permit (CUP) comment letter from CDFW received on July 1, 2020. The letter determined that the Project could potentially impact burrowing owls and recommended specific burrowing owl mitigation measures. However, the reconnaissance survey, as well as the review of CNDDB and aerial imagery, provided the determination that burrowing owls will not be impacted by the Project. The proximity of the Project to the current active fire station (e.g. sirens 24/7) and highly trafficked roads are not conducive to burrowing owl habitat. Other factors that support this determination include the regularly disced vacant lots in the vicinity of the Project area, and the large trees within and adjacent to the Project area which can serve as perches for predators. Therefore, burrowing owl mitigation measures are not warranted.

Project-Related Impacts to Special Status Bats

Although roosting and breeding habitat is absent, after the site is harvested the fallow field could serve as marginal foraging habitat for bats, including the western mastiff bat. If a special status bat were foraging onsite, it could be injured or killed by construction activities. Projects that adversely affect the reproductive success of special status species or result in the mortality of special status species are considered a violation of State and federal laws and are considered a potentially significant impact under CEQA.

Implementation of the following measure would reduce potential impacts to foraging special status bats to a less-than-significant-level under CEQA and would ensure compliance with State and federal laws protecting this species. The following measures would be implemented during or prior to the start of construction:

3.5.4.2 Mitigation Measure

BIO-5: Construction activities shall be limited to daylight hours to reduce potential impacts to special status bats that could be foraging onsite.

Project-Related Impacts to Special Status Plant Species

Nine special status plant species have been documented in the Project area , including alkali-sink goldfields, brittlescale, California alkali grass, Earlimart orache, heartscale, lesser saltscale, mud nama, recurved larkspur, and subtle orache. None of these species were observed during the biological survey. As explained in **Table 3-10**, all of the aforementioned special status plant species are absent from the Project area due to past and ongoing disturbance and/or the absence of suitable habitat. Therefore, the implementation of the Project would have no effect on individual plants or regional populations of these special status plant species.

Project-Related Impacts to Special Status Animal Species Absent From, or Unlikely to Occur on, the Project Site

Of the 13 regionally occurring special status species, ten are considered absent or unlikely to occur within the Project area due to past or ongoing disturbance and/or absence of suitable habitat. As explained in **Table 3-9**, the following species were deemed absent from the Project area : blunt-nosed leopard lizard, California tiger salamander, Tipton kangaroo rat, vernal pool fairy shrimp, vernal pool tadpole shrimp, western pond turtle, and western spadefoot toad, and the following species were deemed unlikely to occur within the Project area: burrowing owl, loggerhead shrike, and San Joaquin kit fox. Therefore, implementation of the Project would have no impact on these ten special status species through construction mortality, disturbance, or loss of habitat. The remaining three species were not observed during the field survey but may possibly use the site for nesting or foraging. Appropriate mitigation measures to be implemented are discussed above.

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

c) 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?

No Impact. The Project area is absent of riparian habitat or other sensitive natural community identified in local or regional plans, and does not contain wetlands. There is no impact.

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

No Impact. The Project area does not contain features that would be likely to function as wildlife movement corridors. Wildlife may pass through the Project area; however, this does not qualify the site as a movement corridor. Disturbance from the existing fire station, residential lots, and the KWRA would discourage regular dispersal movements through this site. Furthermore, the Project is located in a region often disturbed by intensive agricultural cultivation practices would also discourage dispersal and migration. Therefore, implementation of the Project would have no impact on wildlife movement corridors.

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

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

No Impact. The Project is consistent with the goals and policies of the Kings County General Plan. There are no known habitat conservation plans in the Project area. There will be no impact.

3.6 Cultural Resources

Table 3-11. Cultural Resources Impacts

Cultural Resources Impacts					
Would the project:		Potentially Significant Impact	Less than Significant with Mitigation Incorporated	Less than Significant Impact	No Impact
a)	Cause a substantial adverse change in the significance of a historical resource pursuant to in §15064.5?	☐	☐	☐	☒
b)	Cause a substantial adverse change in the significance of an archaeological resource pursuant to §15064.5?	☐	☒	☐	☐
c)	Disturb any human remains, including those interred outside of dedicated cemeteries?	☐	☒	☐	☐

3.6.1 Environmental Setting and Baseline Conditions

Kings County is located in the southern San Joaquin Valley in an area known to have been the home of the Tachi tribe of Yokut Native Americans. The Tachi Yokuts lived north of Tulare Lake and westward to the hills near Coalinga. Archaeological evidence indicates that the historic Native American people were "the last in a series of hunting or hunting-gathering populations" to live in the Tulare Lake region. Artifacts collected from archaeological sites in the vicinity of the lake, primarily along a former (lower) lake shoreline, include over 325 Clovis-type lithic Projectile points. Clovis points are typically considered index fossils of an early North American stone tool technology developed 11,000 to 13,000 years ago. Therefore, human occupation of the Tulare Lake margin probably began more than 10,000 years ago.

The 2035 Kings County General Plan identifies four sites in the County that are listed on the National Register of Historic Places, and three additional sites that have been designated as California Historical Landmarks. Three of the sites on the National Register are in Hanford: the Taoist Temple; the old County Courthouse; and the Carnegie Library. The fourth site is the Witt archaeological site near Dudley Ridge.[18] None of these sites are proximate to the Project site. The three California Historical Landmarks are the Mussel Slough Tragedy site south of Hardwick; the Kingston Town site north of Hardwick; and the El Adobe de los Robles Rancho west of Lemoore. These sites are located in the unincorporated portions of the County and none are proximate to the Project parcel. The 2035 General Plan also identifies 16 additional historic sites of local importance. The sites include seven cemeteries and two churches located in Corcoran, Lemoore, Grangeville, and other rural areas in the northern County. Additional sites include the original site of Lemoore, Avenal Ranch, Kettleman Hills fossil beds, and First High School on the Kings River[19]. The Project site is not located within or proximate any of these sites.

[18] National Park Service, *National Register of Historic Places*, website: https://www.nps.gov/subjects/nationalregister/data-downloads.htm, accessed August 2020.
[19] Ibid, Pg. 4.5-2.

3.6.2 Regulatory Setting

3.6.2.1 Federal

There are no federal regulations, plans, programs, or guidelines associated with cultural resources that are applicable to the Project.

3.6.2.2 State

California Environmental Quality Act

The Project is subject to CEQA which requires public or private projects financed or approved by public agencies to assess their effects on historical resources. CEQA uses the term "historical resources" to include buildings, sites, structures, objects or districts, each of which may have historical, prehistoric, architectural, archaeological, cultural, or scientific importance. CEQA states that if implementation of a project results in significant effects on historical resources, then alternative plans or mitigation measures must be considered; however, only significant historical resources need to be addressed (CCR 15064.5, 15126.4). For the purposes of this CEQA document, a significant impact would occur if project implementation:

- Causes a substantial change in the significance of a historical resource
- Causes a substantial adverse change in the significance of an archaeological resource
- Disturbs any human remains, including those interred outside of formal cemeteries

Therefore, before impacts and mitigation measures can be identified, the significance of historical resources must be determined. CEQA guidelines define three ways that a property may qualify as a historical resource for the purposes of CEQA review:

- If the resource is listed in or determined eligible for listing in the California Register of Historical Resources (CRHR)
- If the resource is included in a local register of historical resources, as defined in Section 5020.1(k) of the PRC or identified as significant in an historical resource survey meeting the requirements of Section 5024.1(g) of the PRC unless the preponderance of evidence demonstrates that it is not historically or culturally significant
- The lead agency determines the resource to be significant as supported by substantial evidence in light of the whole record (CCR, Title 14, Division 6, Chapter 3, Section 15064.5(a))

Each of these ways of qualifying as a historical resource for the purpose of CEQA is related to the eligibility criteria for inclusion in the CRHR (PRC 5020.1(k), 5024.1, 5024.1(g)).

A historical resource may be eligible for inclusion in the CRHR if it:

- Is associated with events that have made a significant contribution to the broad patterns of California's history and cultural heritage
- Is associated with the lives of persons important in our past
- Embodies the distinctive characteristics of a type, period, region, or method of construction, or represents the work of an important creative individual, or possesses high artistic values
- Has yielded, or may be likely to yield, information important in prehistory or history Properties that area listed in or eligible for listing in the National Register of Historic Places are considered eligible for listing in the CRHR, and thus are significant historical resources for the purpose of CEQA (PRC Section 5024.1(d)(1)).

Public Resources Code §5097.5

California Public Resources Code §5097.5 prohibits excavation or removal of any "vertebrate paleontological site…or any other archaeological, paleontological or historical feature, situated on public lands, except with express permission of the public agency having jurisdiction over such lands." Public lands are defined to include lands owned by or under the jurisdiction of the state or any city, county, district, authority or public corporation, or any agency thereof. Section 5097.5 states that any unauthorized disturbance or removal of archaeological, historical, or paleontological materials or sites located on public lands is a misdemeanor.

Health and Safety Code §7050.5

Section 7050.5 of the California Health and Safety Code states that in the event of discovery or recognition of any human remains in any location other than a dedicated cemetery, there shall be no further excavation or disturbance of the site or any nearby area reasonably suspected to overlie adjacent remains until the coroner of the county in which the remains are discovered has determined whether or not the remains are subject to the coroner's authority. If the human remains are of Native American origin, the coroner must notify the Native American Heritage Commission within 24 hours of this identification. The Native American Heritage Commission will identify a Native American Most Likely Descendant (MLD) to inspect the site and provide recommendations for the proper and dignified treatment of the remains and associated grave artifacts.

3.6.2.3 Local

Kings County General Plan Policies

The 2035 Kings County General Plan Resource Conservation Element includes a goal with supporting objectives and policies related to archaeological, cultural, and historical resources. Those policies that are pertinent to the Project are included below:

- RC Policy I1.1.3: Encourage the protection of cultural and archaeological sites with potential for placement on the National Register of Historic Places and/or inclusion in the California Inventory of Historic Resources.

- RC Policy I1.2.1: Participate in and support efforts to identify significant cultural and archaeological resources and protect those resources in accordance with PRC 5097.9 and 5097.993.

- RC Policy I1.2.2: Continue to solicit input from local Native American communities in cases where development may result in disturbance to sites containing evidence of Native American activity and/or to sites of cultural importance.

- RC Policy I1.2.3: Address archaeological and cultural resources in accordance with CEQA for discretionary land use applications[20]

The 2035 Kings County General Plan identifies four sites in the County that are listed on the National Register of Historic Places, and three additional sites that have been designated as California Historical Landmarks. Three of the sites on the National Register are in Hanford: the Taoist Temple; the old County Courthouse; and the Carnegie Library. The fourth site is the Witt archaeological site near Dudley Ridge. None of these sites are proximate to the Project site. The three California Historical Landmarks are the Mussel Slough Tragedy site south of Hardwick; the Kingston Town site north of Hardwick; and the El Adobe de los Robles Rancho west of Lemoore. These sites are located in the unincorporated portions of the County and none are proximate to

[20] County of Kings, *2035 Kings County General Plan*, p. RC-53, January 26, 2010). Website: https://www.countyofkings.com/home/showdocument?id=3112, accessed August 2020.

the Project parcel. The 2035 General Plan also identifies 16 additional historic sites of local importance. The sites include seven cemeteries and two churches located in Corcoran, Lemoore, Grangeville, and other rural areas in the northern County. Additional sites include the original site of Lemoore, Avenal Ranch, Kettleman Hills fossil beds, and First High School on the Kings River. The Project site is not located within or proximate to any of these sites.

3.6.3 Impact Assessment

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

No Impact. A cultural resources records search dated July 27, 2020 was provided by the South San Joaquin Valley Information Center at California State University, Bakersfield. The records search determined that there are no recorded historical resources within the Project area. Therefore, there is no impact that has the potential to cause a substantial adverse change in the significance of a historical resource.

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

Less than Significant Impact. The records search determined that there are no recorded archaeological resources within the Project area. Although it is unlikely that discovery of archeological resources will occur during construction or operation of the Project, implementation of CUL-1 and CUL-2 are recommended in order to reduce any potential impacts to subterranean discoveries to less than significant.

3.6.3.1 Mitigation Measures

CUL-1(Archaeological Resources): A qualified archaeological monitor shall be present during all Project-related ground disturbance activities, to identify any unearthed cultural resource discoveries and make the appropriate mitigation recommendations. The District shall implement all recommendations of the archaeologist necessary to avoid or reduce to a less than significant level potential impacts to cultural resource. Appropriate actions could include a Data Recovery Plan or preservation in place.

CUL-2 (Tribal Monitoring): In order to avoid the potential for impacts to historic and prehistoric archaeological resources, the following measures shall be implemented, as necessary, in conjunction with the construction of the Project:

a. **Cultural Resources Alert on Project Plans.** The project proponent shall note on any plans that require ground disturbing excavation that there is a potential for exposing buried cultural resources.

b. **Pre-Construction Briefing.** The project proponent shall retain Santa Rosa Rancheria Cultural Staff to provide a pre-construction briefing to construction staff regarding the discovery of cultural resources and the potential for discovery during ground disturbing activities, which will include information on potential cultural material finds and on the procedures to be enacted if resources are found.

c. **Stop Work Near any Discovered Cultural Resources.** Should previously unidentified cultural resources be discovered during construction of the project, the project proponent shall cease work within 100 feet of the resources, and Kings County Community Development Agency (CDA) shall be notified immediately. The archaeologist shall review and evaluate any discoveries to determine if they are historical resource(s) and/or unique archaeological resources under CEQA.

d. **Mitigation for Discovered Cultural Resources.** If the professional archaeologist determines that any cultural resources exposed during construction constitute a historical resource and/or

unique archaeological resource, he/she shall notify the project proponent and other appropriate parties of the evaluation and recommended mitigation measures to mitigate the impact to a less-than-significant level. Mitigation measures may include avoidance, preservation in-place, recordation, additional archaeological testing and data recovery, among other options. Treatment of any significant cultural resources shall be undertaken with the approval of the Kings County CDA. The archaeologist shall document the resources using DPR 523 forms and file said forms with the California Historical Resources Information System, Southern San Joaquin Valley Information Center. The resources shall be photo-documented and collected by the archaeologist for submittal to the Santa Rosa Rancheria's Cultural and Historical Preservation Department. The archaeologist shall be required to submit to the County for review and approval a report of the findings and method of curation or protection of the resources. Further grading or site work within the area of discovery shall not be allowed until the preceding steps have been taken.

e. **Native American Monitoring.** Prior to any ground disturbance, the project proponent shall offer the Santa Rosa Rancheria Tachi Yokut Tribe the opportunity to provide a Native American Monitor during ground disturbing activities during both construction and decommissioning. Tribal participation would be dependent upon the availability and interest of the Tribe.

f. **Disposition of Cultural Resources.** Upon coordination with the Kings County Community Development Agency, any pre-historic archaeological artifacts recovered shall be donated to an appropriate Tribal custodian or a qualified scientific institution where they would be afforded applicable cultural resources laws and guidelines.

c) Would the project disturb any human remains, including those interred outside of dedicated cemeteries?

Less than Significant Impact with Mitigation Incorporated. No formal cemeteries or other places of human internment are known to exist on the Project site; however, in accordance with Health and Safety Code Section 7050.5 and Public Resource Code Section 5097.98, if human remains are uncovered, Mitigation Measure CUL-3 would be implemented.

3.6.3.2 Mitigation Measure

CUL-3 (Human Remains): In order to avoid the potential for impacts to buried human remains, the following measures shall be implemented, as necessary, in conjunction with the construction of the Project:

a. Pursuant to State Health and Safety Code Section 7050.5(e) and Public Resources Code Section 5097.98, if human bone or bone of unknown origin is found at any time during on- or off-site construction, all work shall stop in the vicinity of the find and the Kings County Coroner shall be notified immediately. If the remains are determined to be Native American, the Coroner shall notify the California State Native American Heritage Commission (NAHC), who shall identify the person believed to be the Most Likely Descendant (MLD. The project proponent and MLD, with the assistance of the archaeologist, shall make all reasonable efforts to develop an agreement for the treatment of human remains and associated or unassociated funerary objects with appropriate dignity (CEQA Guidelines Sec. 15064.5(d)). The agreed upon treatment shall address the appropriate excavation, removal, recordation, analysis, custodianship, curation, and final disposition of the human remains and associated or unassociated funerary objects. California Public Resources Code allows 48 hours for the MLD to make their wishes known to the landowner after being granted access to the site. If the MLD and the other parties do not agree on the reburial method, the project will follow Public Resources Code Section 5097.98(e) which states that ". . . the landowner or his or her authorized representative shall reinter the human remains and items

associated with Native American burials with appropriate dignity on the property in a location not subject to further subsurface disturbance."

b. Any findings shall be submitted by the archaeologist in a professional report submitted to the project applicant, the MLD, the Kings County Community Development Agency, and the California Historical Resources Information System, Southern San Joaquin Valley Information Center.

3.7 Energy

Table 3-12. Energy Impacts

Energy Impacts					
	Would the project:	Potentially Significant Impact	Less than Significant with Mitigation Incorporated	Less than Significant Impact	No Impact
a)	Result in 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?	☐	☐	☒	☐

3.7.1 Environmental Setting and Baseline Conditions

Southern California Edison (SCE) is the primary electric and the Southern California Gas Company for power utility purveyors in the Project area. The majority of the energy consumed in Kings County is for non-residential purposes. The proposed building and well will utilize electricity for its power source.

Construction equipment and construction worker vehicles operated during Project construction would use fossil fuels. This fuel would likely be consumed by this equipment at another job site, even if this Project were not undertaken. And even if not, the fuel energy use for this project would be temporary and short-term and would be incidental compared to annual consumption. The Project does not include a residual component that would require significant additional energy input. The marginal increases in fossil fuel use resulting from Project construction are not expected to have significant impacts on energy resources.

3.7.2 Regulatory Setting

3.7.2.1 Federal

There are no federal regulations, plans, programs, or guidelines associated with energy that are applicable to the Project.

3.7.2.2 State

There are no State regulations, plans, programs, or guidelines associated with energy that are applicable to the Project.

3.7.2.3 Local

There following General Plan policies associated with energy that are applicable to the Project:

- RC Policy G1.3.1: Encourage developers to be innovative in providing landscaping that modifies microclimates, thus reducing energy consumption.
- RC Policy G1.3.2: Require new urban development to provide and maintain shade trees and other landscaping along streets and within parking areas to reduce radiation heating. However, solar access for solar panels shall not be blocked.
- RC Policy G1.3.3: Participate, to the extent feasible, in local and State programs that strive to reduce the consumption of energy.

3.7.3 Impact Assessment

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

Less than Significant Impact. The Project would comply with construction best management practices as part of construction. Once completed, the Project would not use an excessive or wasteful amount of energy to power the Fire Station building. Fuel use for travel to the building would be comparable to existing conditions. Therefore, the Project would not result in potentially significant environmental impacts due to wasteful, inefficient, or unnecessary consumption of energy resources during construction or operation. Impacts will be less than significant.

b) Would the project conflict with or obstruct a state or local plan for renewable energy or energy efficiency?

Less than Significant Impact. The construction and on-going operation of the new Fire Station would result in energy conservation pursuant to more contemporary building standards and therefore would not consume significantly more energy since it is replacing the existing fire station to the east. The Project would not obstruct a state plan for renewable energy or energy efficiency.

3.8 Geology and Soils

Table 3-13. Geology and Soils Impacts

Geology and Soils Impacts				
Would the project:	**Potentially Significant Impact**	**Less than Significant with Mitigation Incorporated**	**Less than Significant Impact**	**No Impact**
a) Directly or indirectly cause potential substantial adverse effects, including the risk of loss, injury, or death involving: i) Rupture of a known earthquake fault, as delineated on the most recent Alquist-Priolo Earthquake Fault Zoning Map issued by the State Geologist for the area or based on other substantial evidence of a known fault? Refer to Division of Mines and Geology Special Publication 42.	☐	☐	☒	☐
ii) Strong seismic ground shaking?	☐	☐	☒	☐
iii) Seismic-related ground failure, including liquefaction?	☐	☐	☒	☐
iv) Landslides?	☐	☐	☒	☐
b) Result in substantial soil erosion or the loss of topsoil?	☐	☐	☒	☐
c) Be located on a geologic unit or soil that is unstable, or that would become unstable as a result of the project, and potentially result in on- or off-site 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 direct or indirect risks to life or property?	☐	☐	☐	☒
e) Have soils incapable of adequately supporting the use of septic tanks or alternative waste water disposal systems where sewers are not available for the disposal of wastewater?	☐	☐	☐	☒
f) Directly or indirectly destroy a unique paleontological resource or site or unique geological feature?	☐	☒	☐	☐

3.8.1 Environmental Setting and Baseline Conditions

3.8.1.1 Geology and Soils

The project is located near the southeastern boundary of the City of Hanford in Kings County, in the southern section of California's Great Valley Geomorphic Province, or Central Valley. The Sacramento Valley makes up the northern third and the San Joaquin Valley makes up the southern two-thirds of the geomorphic province. Both valleys are watered by large rivers flowing west from the Sierra Nevada Range, with smaller tributaries flowing east from the Coast Ranges. Most of the surface of the Great Valley is covered by Quaternary (present day to 1.6 million years ago) alluvium. As stated in the 2035 Kings County General Plan, soil preservation is of

the utmost importance. The County shares responsibility of the soil responsibility with several Conservation Districts and various agencies and organizations in the community.[21]

3.8.1.2 Faults and Seismicity

The Project site is not located within an Alquist-Priolo Earthquake Fault Zone and no known faults cut through the local soil at the site. The nearest mapped principal fault is the San Andreas Fault, located approximately 53.4 miles southwest of the Project site. The San Andreas Fault is the dominant active tectonic feature of the Coast Ranges and represents the boundary of the North American and Pacific plates. A smaller unnamed fault zone is approximately 37.9 miles southeast of the site. The closest major fault, Poso Creek Fault is located approximately 39.2 miles south of the Project site and has a slip rate of <0.2 mm.

3.8.1.3 Liquefaction

The potential for liquefaction, which is the loss of soil strength due to seismic forces, is dependent on soil types and density, depth to groundwater, and the duration and intensity of ground shaking. The portion of Kings County where the Project is located has a low to moderate liquefaction risk.

3.8.1.4 Soil Subsidence

Subsidence occurs when a large land area settles due to over-saturation or extensive withdrawal of ground water, oil, or natural gas. These areas are typically composed of open-textured soils, high in silt or clay content, that become saturated. The Project site contains Kimberlina fine sandy loam, saline-alkali, with a low to moderate risk of subsidence.

3.8.1.5 Dam and Levee Failure

Pine Flat Reservoir is located approximately 34 miles east, and the Project site and adjacent lands lies within the inundation zone for Pine Flat and Terminus Dams.

3.8.2 Regulatory Setting

3.8.2.1 Federal

There are no federal regulations, plans, programs, or guidelines associated with geology and soils that are applicable to the Project.

3.8.2.2 State

California Alquist-Priolo Earthquake Fault Zoning Act

The Alquist-Priolo Earthquake Fault Zoning Act (originally enacted in 1972 and renamed in 1994) is intended to reduce the risk to life and property from surface fault rupture during earthquakes. The statute prohibits the location of most types of structures intended for human occupancy across the traces of active faults and regulates construction in the corridors along active faults.

California Building Standards Code

The California Code of Regulations (CCR) Title 24 is assigned to the California Building Standards Commission, which, by law, is responsible for coordinating all building standards. The California Building Code incorporates by reference the International Building Code with necessary California amendments. The International Building Code is a widely adopted model building code in the United States published by the International Code Council. About one-third of the text within the California Building Standards Code has been tailored for California earthquake conditions.

[21] County of Kings, *2035 Kings County General Plan*, p. RC-53, January 26, 2010). Website: https://www.countyofkings.com/home/showdocument?id=3112, Accessed August 2020.

3.8.2.3 Local

There are no local regulations, plans, programs, or guidelines associated with geology and soils that are applicable to the Project.

3.8.3 Impact Assessment

a) Would the project directly or indirectly cause potential substantial adverse effects, including the risk of loss, injury, or death involving:

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

Less than Significant Impact. The Project site does not lie within an Alquist-Priolo Earthquake Fault Zone. Kings County has no known major fault systems within its territory. The greatest potential for geologic disaster in Kings County is posed by the San Andreas Fault, which is located approximately four miles west of the Kings County line boundary within Monterey County. Another large fault that may pose potential geologic hazards for Kings County is the White Wolf fault located in Kern County near Arvin and Bakersfield[22].

The Project would not expose people or structures to potential substantial adverse effects, including the risk of loss, injury, or death associated with an unlikely event of a ruptured earthquake fault lines. As such, impacts will be less than significant.

a-ii) Strong seismic ground shaking?

Less than Significant Impact. According to the Kings County Seismic Safety Map[23], the Project site is located in Seismic Zone V-1. The generalized geologic formations in this zone are moderately thick marine and continental sedimentary deposits overlying the granitic basement complex. Amplification of shaking that would affect low to medium-rise structures is relatively high but the distance to either of the fault systems that are expected sources of the shaking is sufficiently great that the effect should be minimal[24]. The risk of adverse effects to the Project from ground shaking from an earthquake on these faults would be less than significant.

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

Less than Significant Impact. The Project site is mapped within a low to moderate risk of liquefaction or subsidence hazard zone as indicated on Figure HS-2 of the 2035 Kings County General Plan. The risk of adverse effects from the Project regarding liquefaction or subsidence would be less than significant.

a-iv) Landslides?

No Impact. The Project site is in an area of minimal landslide potential[25]. In addition, the site is relatively flat; therefore, there is no potential for a landslide to occur and no impacts to the Project from landslides are predicted.

b) Would the project result in substantial soil erosion or the loss of topsoil?

Less than Significant Impact. Dischargers whose projects disturb one (1) or more acres of soil or whose projects disturb less than one acre but are part of a larger common plan of development that in total disturbs one or more acres, are required to obtain coverage under the General Permit for Discharges of Storm Water Associated with Construction Activity Construction General Permit Order 2009-0009-DWQ. Construction

[22]County of Kings, *2035 Kings County General Plan, Health and Safety Element*, Page HS-6, January 26, 2010 https://www.countyofkings.com/home/showdocument?id=13515, accessed August 2020
[23] Ibid, Figure HS-2.
[24] Ibid, Page HS-9.
[25] Ibid, Figure HS-3.

activity subject to this permit includes clearing, grading and disturbances to the ground such as stockpiling, or excavation, but does not include regular maintenance activities performed to restore the original line, grade, or capacity of the facility. These activities could expose soils to erosion processes and the extent of erosion would vary depending on slope steepness/stability, vegetation/cover, concentration of runoff, and weather conditions. Earth disturbing activities associated with the Project would include minor grading building pad, parking and driveway, minor, excavation for building footings, a ponding basin, and infrastructure construction across the Project site. The Project will therefore require a Construction General Permit or a Storm Water Pollution Prevention Plan (SWPPP) by a certified Qualified SWPPP Developer (QSD). Therefore, the impact would be less than significant.

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

Less than Significant Impact. The Project area and the immediate surrounding lands do not have any substantial grade changes in the topography that would expose people or structures to potential substantial adverse effects on, or offsite, such as landslides, lateral spreading, subsidence, liquefaction or collapse. Any impact would be less than significant.

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

No Impact. Figure HS-4 on Page 13 of the Health and Safety Element of the 2035 Kings County General Plan, shows that the Project site is not located on expansive soil, therefore there would be no impact.

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

No Impact. The project site is located on a map published by the Community Development Agency of the County of Kings and requires a leach field of approximately 40 square feet for every 100 gallons of septic tank capacity[26]. Therefore, the soils are capable of adequately supporting the use of septic tanks and thus there is no impact.

f) Would the project directly or indirectly destroy a unique paleontological resource or site or unique geological feature?

Less than Significant Impact with Mitigation Incorporated. No known paleontological resources exist within the Project area. As the Project would require ground-disturbing activities, it is possible that an undiscovered paleontological resource may be impacted by ground disturbing activities. Therefore, the Project will comply with the cultural resources mitigation measures CUL-1 through CUL-3 set forth in Section 3.6.3. Any impacts would be less than significant with mitigation incorporated.

[26] Kings County Planning Agency. Septic Tank Absorption Field Minimum Requirements. https://www.countyofkings.com/home/showdocument?id=3180

3.9 Greenhouse Gas Emissions

Table 3-14. Greenhouse Gas Emissions Impacts

Greenhouse Gas Emissions Impacts				
Would the project:	Potentially Significant Impact	Less than Significant with Mitigation Incorporated	Less than Significant Impact	No Impact
a) Generate greenhouse gas emissions, either directly or indirectly, that may have a significant impact on the environment?	☐	☐	☒	☐
b) Conflict with an applicable plan, policy or regulation adopted for the purpose of reducing the emissions of greenhouse gases?	☐	☐	☒	☐

3.9.1 Environmental Setting and Baseline Conditions

The Earth's climate has been warming for the past century. It is believed that this warming trend is related to the release of certain gases into the atmosphere. Greenhouse gases (GHG) absorb infrared energy that would otherwise escape from the Earth. As the infrared energy is absorbed, the air surrounding the Earth is heated. An overall warming trend has been recorded since the late 19th century, with the most rapid warming occurring over the past two decades. The 10 warmest years of the last century all occurred within the last 15 years. It appears that the decade of the 1990s was the warmest in human history (National Oceanic and Atmospheric Administration, 2010). The following is a brief description of the most commonly recognized GHGs.

3.9.1.1 Greenhouse Gases

Commonly identified GHG emissions and sources include the following:

Carbon dioxide (CO_2) is an odorless, colorless natural greenhouse gas. CO_2 is emitted from natural and anthropogenic sources. Natural sources include the following: decomposition of dead organic matter; respiration of bacteria, plants, animals, and fungus; evaporation from oceans; and volcanic out gassing. Anthropogenic sources include the burning of coal, oil, natural gas, and wood.

Methane (CH_4) is a flammable greenhouse gas. A natural source of methane is the anaerobic decay of organic matter. Geological deposits, known as natural gas fields, also contain methane, which is extracted for fuel. Other sources are from landfills, fermentation of manure, and ruminants such as cattle.

Nitrous oxide (N_2O), also known as laughing gas, is a colorless greenhouse gas. Nitrous oxide is produced by microbial processes in soil and water, including those reactions that occur in fertilizer containing nitrogen. In addition to agricultural sources, some industrial processes (fossil fuel-fired power plants, nylon production, nitric acid production, and vehicle emissions) also contribute to its atmospheric load.

Water vapor is the most abundant, and variable greenhouse gas. It is not considered a pollutant; in the atmosphere, it maintains a climate necessary for life.

Ozone (O_3) is known as a photochemical pollutant and is a greenhouse gas; however, unlike other greenhouse gases, ozone in the troposphere is relatively short-lived and, therefore, is not global in nature. Ozone is not emitted directly into the atmosphere but is formed by a complex series of chemical reactions between volatile organic compounds, nitrogen oxides, and sunlight.

Aerosols are suspensions of particulate matter in a gas emitted into the air through burning biomass (plant material) and fossil fuels. Aerosols can warm the atmosphere by absorbing and emitting heat and can cool the atmosphere by reflecting light.

Chlorofluorocarbons (CFCs) are nontoxic, nonflammable, insoluble, and chemically unreactive in the troposphere (the level of air at the earth's surface). CFCs were first synthesized in 1928 for use as refrigerants, aerosol propellants, and cleaning solvents. CFCs destroy stratospheric ozone; therefore, their production was stopped as required by the Montreal Protocol in 1987.

Hydrofluorocarbons (HFCs) are synthetic chemicals that are used as a substitute for CFCs. Of all the greenhouse gases, HFCs are one of three groups (the other two are perfluorocarbons and sulfur hexafluoride) with the highest global warming potential. HFCs are human made for applications such as air conditioners and refrigerants.

Perfluorocarbons (PFCs) have stable molecular structures and do not break down through the chemical processes in the lower atmosphere; therefore, PFCs have long atmospheric lifetimes, between 10,000 and 50,000 years. The two main sources of PFCs are primary aluminum production and semiconductor manufacture.

Sulfur hexafluoride (SF_6) is an inorganic, odorless, colorless, nontoxic, nonflammable gas. It has the highest global warming potential of any gas evaluated. Sulfur hexafluoride is used for insulation in electric power transmission and distribution equipment, in the magnesium industry, in semiconductor manufacturing, and as a tracer gas for leak detection.

3.9.1.2 Effects of Climate Change

There are uncertainties as to exactly what the climate changes will be in various local areas of the earth, and what the effects of clouds will be in determining the rate at which the mean temperature will increase. There are also uncertainties associated with the magnitude and timing of other consequences of a warmer planet: sea level rise, spread of certain diseases out of their usual geographic range, the effect on agricultural production, water supply, sustainability of ecosystems, increased strength and frequency of storms, extreme heat events, air pollution episodes, and the consequence of these effects on the economy.

Emissions of GHGs associated with the industrial/manufacturing, utility, transportation, residential, and agricultural sectors are contributing to global climate change. About three-quarters of human emissions of CO_2 to the global atmosphere during the past 20 years are due to fossil fuel burning. Atmospheric concentrations of CO_2, CH_4, and N_2O have increased 31 percent, 151 percent, and 17 percent respectively since the year 1750 (CEC 2008). GHG emissions are typically expressed in carbon dioxide-equivalents (CO_2e), based on the GHG's Global Warming Potential (GWP). The GWP is dependent on the lifetime, or persistence, of the gas molecule in the atmosphere. For example, one ton of CH_4 has the same contribution to the greenhouse effect as approximately 21 tons of CO_2. Therefore, CH_4 is a much more potent GHG than CO_2.

3.9.2 Methodology

Air quality and greenhouse gas emissions were modeled in September 2020 using CalEEmod, version 2016.3.2. The output files can be found in **Appendix A**. The sections below detail the methodology of the report and its conclusions.

3.9.2.1 Short-Term Construction-Generated Emissions

Short-term construction emissions associated with the Project were calculated using CalEEmod, Version 2016.3.2. Modeling assumptions and output files are included in the Report.

3.9.2.2 Long-Term Operational Emissions

Long-term operational emissions associated with the Project are estimated to be minimal in nature and similar to existing conditions, with the exception of the loss of cropland. Greenhouse gas emitting equipment used in the cultivation of the cropland proposed to be converted was not modeled, and thus emissions are deemed worst case scenario. Modeling assumptions and output files are included in Appendix A.

3.9.2.3 Thresholds of Significance

CEQA Guidelines Amendments became effective March 18, 2010. Included in the Amendments are revisions to the Appendix G Initial Study Checklist. In accordance with these Amendments, a project would be considered to have a significant impact to climate change if it would:

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

In accordance with SJVAPCD's *CEQA Greenhouse Gas Guidance for Valley Land-use Agencies in Addressing GHG Emission Impacts for New Projects*[27], Projects complying with Best Performance Standards (BPS) would be determined to have a less-than-significant impact. Projects not complying with BPS would be considered less than significant if operational GHG emissions would be reduced or mitigated by a minimum of 29 percent, in comparison to business-as-usual (year 2004) conditions. In addition, project-generated emissions complying with an approved plan or mitigation program would also be determined to have a less-than-significant impact.

3.9.3 Regulatory Setting

3.9.3.1 Federal

Although climate change and GHG reduction is a concern at the federal level; currently there are no regulations or legislation that have been enacted specifically addressing GHG emissions reductions and climate change at the project level.

3.9.3.2 State

Assembly Bill 32 - California Global Warming Solutions Act of 2006: AB 32 (Health and Safety Code Sections 38500, 38501, 38510, 38530, 38550, 38560, 38561–38565, 38570, 38571, 38574, 38580, 38590, 38592–38599 "et seq.,") requires that Statewide GHG emissions be reduced to 1990 levels by the year 2020. The gases that are regulated by AB 32 include carbon dioxide, methane, nitrous oxide, hydrofluorocarbons, perfluorocarbons, nitrogen trifluoride, and sulfur hexafluoride. The reduction to 1990 levels will be accomplished through an enforceable Statewide cap on GHG emissions that will be phased in starting in 2012. To effectively implement the cap, AB 32 directs CARB to develop and implement regulations to reduce Statewide GHG emissions from stationary sources. AB 32 specifies that regulations adopted in response to AB 1493 should be used to address GHG emissions from vehicles. However, AB 32 also includes language stating that if the AB 1493 regulations cannot be implemented, then CARB should develop new regulations to control vehicle GHG emissions under the authorization of AB 32.

AB 32 requires that CARB adopt a quantified cap on GHG emissions representing 1990 emissions levels and disclose how it arrives at the cap, institute a schedule to meet the emissions cap, and develop tracking, reporting, and enforcement mechanisms to ensure that the State achieves reductions in GHG emissions necessary to meet

[27] San Joaquin Valley Air District, *Guidance for Valley Land-use Agencies in Addressing GHG Emission Impacts for New Projects under CEQA*, December 2009. Website: https://www.valleyair.org/Programs/CCAP/12-17-09/3%20CCAP%20-%20FINAL%20LU%20Guidance%20-%20Dec%2017%202009.pdf, accessed September 2020.

the cap. AB 32 also includes guidance to institute emissions reductions in an economically efficient manner and conditions to ensure that businesses and consumers are not unfairly affected by the reductions.

Senate Bill 97 - CEQA: Greenhouse Gas Emissions: Senate Bill 97, signed in August 2007, acknowledges that climate change is an important environmental issue that requires analysis under CEQA. This bill directs the Governor's Office of Planning and Research to prepare, develop, and transmit to the Resources Agency guidelines for the feasible mitigation of GHG emissions or the effects of GHG emissions, by July 1, 2009. The Resources Agency is required to certify or adopt those guidelines by January 1, 2010. Amendments to the CEQA guidelines took effect March 18, 2010. The revisions include a new section (Sec. 15064.4) that specifically addresses the potential significance of GHG emissions. Section 15064.4 calls for a "good-faith effort" to "describe, calculate or estimate" GHG emissions. Section 15064.4 further States that a lead agency "should" consider several factors when assessing the significance of impacts from GHG emissions on the environment, including: the extent to which the project would increase or reduce GHG emissions; whether project emissions exceed an applicable threshold of significance; and the extent to which the project complies with "regulations or requirements adopted to implement a Statewide, regional, or local plan for the reduction or mitigation of greenhouse gas emissions." The guidelines also State that a lead agency may determine that a project's incremental contribution to a cumulative effect is not cumulatively considerable if the project will comply with the requirements of previously approved plan or mitigation program (Sec. 15064(h)(3)). However, the guidelines do not require or recommend a specific analytical methodology or provide quantitative criteria for determining the significance of GHG emissions.

Cap-and-Trade Regulation: The cap-and-trade regulation is a key element in California's climate plan. It sets a Statewide limit on sources responsible for 85 percent of California's greenhouse gas emissions and establishes a price signal needed to drive long-term investment in cleaner fuels and more efficient use of energy. The cap-and-trade rules came into effect on January 1, 2013 and apply to large electric power plants and large industrial plants. In 2015, they will extend to fuel distributors (including distributors of heating and transportation fuels). At that stage, the program will encompass nearly 85 percent of the State's total greenhouse gas emissions.

GHG emissions addressed by the cap-and-trade regulation are subject to an industry-wide cap on overall GHG emissions. The cap-and-trade regulation sets a firm limit or cap on GHGs, which declines approximately 3 percent each year beginning in 2013. Any growth in emissions must be accounted for under the cap, such that a corresponding and equivalent reduction in emissions must occur to allow any increase. The cap-and-trade regulation will help California achieve its goal of reducing GHG emissions to 1990 levels by the year 2020, and ultimately achieving an 80% reduction from 1990 levels by 2050. As such, the CARB has determined that the cap-and-trade regulation meets the requirements of AB 32.

3.9.3.3 Local

San Joaquin Valley Air Pollution Control District

SJVAPCD Climate Change Action Plan: On August 21, 2008, the SJVAPCD Governing Board approved the District's Climate Change Action Plan with the following goals and actions:

Goals:

- Assist local land-use agencies with California Environmental Quality Act (CEQA) issues relative to projects with GHG emissions increases.
- Assist Valley businesses in complying with mandates of AB 32.
- Ensure that climate protection measures do not cause increase in toxic or criteria pollutants that adversely impact public health or environmental justice communities.

Actions:

- Authorize the Air Pollution Control Officer to develop GHG significance threshold(s) or other mechanisms to address CEQA projects with GHG emissions increases. Begin the requisite public process, including public workshops, and develop recommendations for Governing Board consideration in the spring of 2009.
- Authorize the Air Pollution Control Officer to develop necessary regulations and instruments for establishment and administration of the San Joaquin Valley Carbon Exchange Bank for voluntary GHG reductions created in the Valley. Begin the requisite public process, including public workshops, and develop recommendations for Governing Board consideration in spring 2009.
- Authorize the Air Pollution Control Officer to enhance the District's existing criteria pollutant emissions inventory reporting system to allow businesses subject to AB 32 emission reporting requirements to submit simultaneous streamlined reports to the District and the State of California with minimal duplication.
- Authorize the Air Pollution Control Officer to develop and administer voluntary GHG emission reduction agreements to mitigate proposed GHG increases from new projects.
- Direct the Air Pollution Control Officer to support climate protection measures that reduce GHG emissions as well as toxic and criteria pollutants. Oppose measures that result in a significant increase in toxic or criteria pollutant emissions in already impacted area.

SJVAPCD CEQA Greenhouse Gas Guidance: On December 17, 2009, the SJVAPCD Governing Board adopted "Guidance for Valley Land-use Agencies in Addressing GHG Emission Impacts for New Projects under CEQA" and the policy, "District Policy—Addressing GHG Emission Impacts for Stationary Source Projects Under CEQA When Serving as the Lead Agency." The SJVAPCD concluded that the existing science is inadequate to support quantification of the impacts that project specific greenhouse gas emissions have on global climatic change. The SJVAPCD found the effects of project-specific emissions to be cumulative, and without mitigation, that their incremental contribution to global climatic change could be considered cumulatively considerable. The SJVAPCD found that this cumulative impact is best addressed by requiring all projects to reduce their greenhouse gas emissions, whether through project design elements or mitigation.

The SJVAPCD's approach is intended to streamline the process of determining if project-specific greenhouse gas emissions would have a significant effect. Projects exempt from the requirements of CEQA, and projects complying with an approved plan or mitigation program would be determined to have a less than significant cumulative impact. Such plans or programs must be specified in law or adopted by the public agency with jurisdiction over the affected resources and have a certified final CEQA document.

Best performance standards (BPS) to address operational emissions of a project would be established according to performance-based determinations. Projects complying with BPS would not require specific quantification of GHG emissions and would be determined to have a less than significant cumulative impact for GHG emissions. Projects not complying with BPS would require quantification of GHG emissions and demonstration that operational greenhouse gas emissions have been reduced or mitigated by 29 percent, as targeted by CARB's AB 32 Scoping Plan. Furthermore, quantification of GHG emissions would be required for all projects for which the lead agency has determined that an Environmental Impact Report is required, regardless of whether the project incorporates BPS.

In light of the Newhall Ranch decision, this threshold is no longer applicable. Therefore, the following thresholds are considered applicable for CEQA review of projects under the jurisdiction of the SJVAPCD.

Bay Area Air Quality Management District's Thresholds for Significance: Bay Area Air Quality Management District's approach to developing a threshold of significance for GHG emissions is to identify the emissions level for which a project would not be expected to substantially conflict with existing California legislation

adopted to reduce Statewide GHG emissions. If a project would generate GHG emissions above the threshold level, it would be considered to contribute substantially to a cumulative impact and would be considered significant. If mitigation can be applied to lessen the emissions such that the project meets its share of emission reductions needed to address the cumulative impact, the project would normally be considered less than significant. Although the Project is not located in the Bay Area, the Bay Area Air Quality Management District's thresholds for significance are based on the Statewide AB 32 objectives and will be used to quantify potential impacts related to GHG emissions. For land use development projects, the threshold is compliance with a qualified GHG Reduction Strategy or annual emissions less than 1,100 metric tons per year (MT/yr) of CO_2e. For stationary source projects, such as those requiring a permit from a local air district to operate, the threshold is 10,000 MT/yr of CO_2e.

2035 Kings County General Plan: The 2035 Kings County General Plan adopted by the Kings County Board of Supervisors on January 26, 2010 recognizes the problem of air pollution and climate change within the San Joaquin Valley. The Air Quality Element of the General Plan sets forth a number of objectives that are very important to Kings County, including ensuring that growth occurs in ways that protect and enhance county residents' health, and complying with air quality regulations. General Plan Air Quality goals and objectives, with respect to GHGs, that are pertinent to the project include:

- AQ Goal G1: Reduce Kings County's proportionate contribution of GHG emissions and the potential impact that may result on climate change from internal governmental operations and land use activities within its authority.

- AQ Objective G1.1: Identify and achieve GHG emission reduction targets consistent with the County's proportionate fair share as may be allocated by ARB and the Kings County Association of Governments[28].

[28] County of Kings, *2035 Kings County General Plan, Air Quality Element*. Page AQ-30, January 26, 2010. Website: https://www.countyofkings.com/home/showdocument?id=13513, accessed September 2020.

3.9.4 Impact Assessment

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

Less Than Significant Impact.

Short-Term Construction-Generated Emissions

Estimated construction-generated emissions are summarized in **Table 3-15**. As indicated, construction of the Project would generate maximum annual emissions of approximately 354 metric tons of carbon dioxide equivalent ($MTCO_2e$). Construction-related production of GHGs would be temporary and last approximately twelve months and would not exceed adopted thresholds.

Table 3-15. Short-Term Construction-Generated GHG Emissions

Year	Emissions (MT CO_2e)(1)
2021	354
AB 32 Consistency Threshold for Land-Use Development Projects[2]	*1,100*
Exceed Threshold?	No

1. Emissions were quantified using the CalEEmod, Version 2016.3.2. Refer to **Appendix A** for modeling results and assumptions. Totals may not sum due to rounding.
2. As published in the Bay Area Air Quality Management District's CEQA Air Quality Guidelines. Available online at http://www.baaqmd.gov/~/media/files/planning-and-research/ceqa/ceqa_guidelines_may2017-pdf.pdf?la=en Accessed September 2020.

Long-Term Operational Emissions

Estimated long-term operational emissions are summarized in **Table 3-16**. As indicated, operation of the Project would generate maximum annual emissions of approximately 143 metric tons of carbon dioxide equivalent ($MTCO_2e$).

Table 3-16. Long-Term Operational GHG Emissions

	Emissions (MT CO_2e)(1)
Operational CO_2e Emissions	50.4642
Loss of Cropland	93
Estimated Total Annual Operational CO_2e Emissions	143.4642
AB 32 Consistency Threshold for Land-Use Development Projects[2]	*1,100*
Exceed Threshold?	No

1. Emissions were quantified using the CalEEmod, Version 2016.3.2. Refer to **Appendix A** for modeling results and assumptions. Totals may not sum due to rounding.
2. As published in the Bay Area Air Quality Management District's CEQA Air Quality Guidelines. Available online at http://www.baaqmd.gov/~/media/files/planning-and-research/ceqa/ceqa_guidelines_may2017-pdf.pdf?la=en Accessed September 2020.

Long-term operational emissions will mainly consist of traffic trips already generated by Fire Station staff. There is no population growth associated with the Project. Long-term emissions would not exceed adopted thresholds.

Both the short-term and long-term GHG emissions are below the AB 32 consistency thresholds for land-use development projects. Therefore, Project-related emissions of GHGs would be less than significant.

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

Less than Significant Impact. In accordance with SJVAPCD's recommended guidance, project-generated GHG emissions would be considered less than significant if it meets any one the following 3 criteria:

1. the Project complies with applicable BPS;
2. operational GHG emissions would be reduced or mitigated by a minimum of 29 percent in comparison to business-as usual (year 2004) conditions; or
3. project-generated emissions would comply with an approved plan or mitigation program.

The Project complies with the AB 32 consistency threshold for stationary source projects. Therefore, implementation of the Project is not anticipated to conflict with any applicable plan, policy or regulation for reducing the emissions of GHGs, nor will the Project have a significant impact on the environment. The impact would be considered less than significant.

3.10 Hazards and Hazardous Materials

Table 3-17. Hazards and Hazardous Materials Impacts

Hazards and Hazardous Materials Impacts					
	Would the project:	Potentially Significant Impact	Less than Significant with Mitigation Incorporated	Less than Significant Impact	No Impact
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 handle hazardous or acutely hazardous materials, substances, or waste within one-quarter mile of an existing or proposed school?	☐	☐	☐	☒
d)	Be located on a site which is included on a list of hazardous materials sites compiled pursuant to Government Code Section 65962.5 and, as a result, would it create a significant hazard to the public or the environment?	☐	☐	☐	☒
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?	☐	☐	☒	☐

3.10.1 Environmental Setting and Baseline Conditions

3.10.1.1 Project Setting

The Project site has been in continuous agricultural use since 1937. A Phase I Environmental Site Assessment (ESA, **Appendix D**) was prepared by Provost & Pritchard on September 16, 2020 in accordance with the scope and limitations of the American Society of Testing and Materials (ASTM) Standard Practice for Phase 1 Environmental Site Assessment Process E1527-13. A site reconnaissance visit was conducted on July 27, 2020.

3.10.1.2 Hazardous Materials

The Hazardous Waste and Substances Sites (Cortese) List is a planning document used by the State, local agencies, and developers to comply with CEQA requirements in providing information about the location of

hazardous materials release sites. Government Code (GC) Section 65962.5 requires the California Environmental Protection Agency (CalEPA) to develop at least annually an updated Cortese List. The Department of Toxic Substances Control (DTSC) is responsible for a portion of the information contained in the Cortese List. Other State and local government agencies are required to provide additional hazardous material release information for the Cortese List. DTSC's EnviroStor database provides DTSC's component of Cortese List data (DTSC, 2010). In addition to the EnviroStor database, the State Water Resources Control Board (SWRCB) Geotracker database provides information on regulated hazardous waste facilities in California, including underground storage tank (UST) cases and non-UST cleanup programs, including Spills-Leaks-Investigations-Cleanups (SLIC) sites, Department of Defense (DOD) sites, and Land Disposal program. A search of the DTSC EnviroStor database and the SWRCB Geotracker performed on July 7, 2020 determined that there are no known active hazardous waste generators or hazardous material spill sites within the Project site or immediate surrounding vicinity.

3.10.1.3 Airports

The Hanford Municipal Airport is located approximately 1.3 miles northwest and the Visalia Municipal Airport is located approximately 11.5 miles east of the Project site.

3.10.1.4 Emergency Response Plan

The Kings County Office of Emergency Management coordinates the development and maintenance of the Kings County Emergency Operations Plan.

3.10.1.5 Sensitive Receptors

The closest sensitive receptors, rural single-family residences, are located approximately 400 feet from the existing and proposed Fire Station locations.

3.10.2 Regulatory Setting

3.10.2.1 Federal

Hazardous Materials - U.S. Environmental Protection Agency: The U.S. Environmental Protection Agency (EPA) was established in 1970 to consolidate in one agency a variety of Federal research, monitoring, standard-setting and enforcement activities to ensure environmental protection. EPA's mission is to protect human health and to safeguard the natural environment — air, water, and land — upon which life depends. EPA works to develop and enforce regulations that implement environmental laws enacted by Congress, is responsible for researching and setting national standards for a variety of environmental programs, and delegates to States and tribes the responsibility for issuing permits and for monitoring and enforcing compliance. Where national standards are not met, EPA can issue sanctions and take other steps to assist the states and tribes in reaching the desired levels of environmental quality.

Toxic Substances Control Act/Resource Conservation and Recovery Act/Hazardous and Solid Waste Act: The Toxic Substances Control Act (1976) and the Resource Conservation and Recovery Act of 1976 (RCRA) established a program administered by the EPA for the regulation of the generation, transportation, treatment, storage, and disposal of hazardous waste. RCRA was amended in 1984 by the Hazardous and Solid Waste Act (HSWA), which affirmed and extended the "cradle to grave" system of regulating hazardous wastes.

Clean Water Act/SPCC Rule: The Clean Water Act (CWA) (33 U.S.C. Section 1251, *et seq*., formerly the Water Pollution Control Act of 1972), was enacted with the intent of restoring and maintaining the chemical, physical, and biological integrity of the waters of the United States. As part of the Clean Water Act, the EPA oversees and enforces the Oil Pollution Prevention regulation contained in Title 40 of the CFR, Part 112, which is often referred to as the "SPCC rule" because the regulations describe the requirements for facilities to prepare, amend and implement Spill Prevention, Control, and Countermeasure (SPCC) Plans. A facility is subject to SPCC

regulations if a single oil storage tank has a capacity greater than 660 gallons, or the total above ground oil storage capacity exceeds 1,320 gallons, or the underground oil storage capacity exceeds 42,000 gallons, and if, due to its location, the facility could reasonably be expected to discharge oil into or upon the "navigable waters" of the United States. Other federal regulations overseen by the EPA relevant to hazardous materials and environmental contamination include Title 40, CFR, Chapter 1, Subchapter D – Water Programs and Subchapter I – Solid Wastes. Title 40, CFR, Chapter 1, Subchapter D, Parts 116 and 117 designate hazardous substances under the Water Pollution Control Act. Title 40, CFR, Part 116 sets forth a determination of the reportable quantity for each substance that is designated as hazardous. Title 40, CFR, Part 117 applies to quantities of designated substances equal to or greater than the reportable quantities that may be discharged into waters of the United States.

3.10.2.2 State

California Environmental Protection Agency (CalEPA): CalEPA was created in 1991 by Governor's Executive Order. The California Air Resources Board (CARB), the Department of Pesticide Regulation (DPR), the Department of Resources Recycling and Recovery (CalRecycle), the Department of Toxic Substances Control (DTSC), the Office of Environmental Health Hazard Assessment (OEHHA) and the State Water Resources Control Board (SWRCB) were placed under the CalEPA umbrella to create cabinet-level voices for the protection of human health and the environment and to assure the coordinated deployment of State resources.[29] The mission of CalEPA is to restore, protect, and enhance the environment to ensure public health, environmental quality, and economic vitality under Title 22 of the CCR.[30]

Department of Toxic Substances Control (DTSC): DTSC is a department of CalEPA and is the primary agency in California that regulates hazardous waste, clean-up of existing contamination, and looks for ways to reduce the hazardous waste produced in California. DTSC regulates hazardous waste in California primarily under the authority of RCRA and the Health and Safety Code. Other laws that affect hazardous waste are specific to handling, storage, transportation, disposal, treatment, reduction, cleanup, and emergency planning. GC Section 65962.5 (commonly referred to as the Cortese List) includes DTSC-listed hazardous waste facilities and sites, SWRCB Division of Drinking Water lists of contaminated drinking water wells, sites listed by the SWRCB as having UST leaks and which have had a discharge of hazardous wastes or materials into the water or groundwater, and lists from local regulatory agencies of sites that have had a known migration of hazardous waste/material.[31]

Unified Program: The Unified Program (CCR Title 27, Division 1, Subdivision 4, Chapter 1, Sections 15100-15620) consolidates, coordinates, and makes consistent the administrative requirements, permits, inspections, and enforcement activities of the following six environmental and emergency response programs.[32]

- Hazardous Waste Generator (HWG) program and Hazardous Waste On-site Treatment activities;
- Aboveground Storage Tank (AST) program Spill Prevention Control and Countermeasure Plan requirements;
- Underground Storage Tank (UST) program;
- Hazardous Materials Release Response Plans and Inventory (HMRRP) program;
- California Accidental Release Prevention (CalARP) program;

[29] California Environmental Protection Agency. Website: https://calepa.ca.gov/about/, accessed August 2020.
[30] State of California, *Title 22, Division 2, California Code of Regulation, Chapter 3. Sage Drinking Water and Toxic Enforcement Act of 1986, Article 6. Clear and Reasonable Warnings*. Website: https://oehha.ca.gov/media/downloads/cmr/12601proposed20regulatory20text5.pdf, accessed August 2020.
[31] California Department of Toxic Substances Control. http://www.dtsc.ca.gov/ Accessed August 2020.
[32] California Environmental Protection Agency. http://www.calepa.ca.gov/cupa/ Accessed August 2020.

- Hazardous Materials Management Plans and Hazardous Materials Inventory Statement (HMMP/HMIS) requirements.

The Secretary of CalEPA is directly responsible for coordinating the administration of the Unified Program. The Unified Program requires all counties to apply to the CalEPA Secretary for the certification of a local unified program agency. Qualified cities are also permitted to apply for certification. The local Certified Unified Program Agency (CUPA) is required to consolidate, coordinate, and make consistent the administrative requirements, permits, fee structures, and inspection and enforcement activities for these six program elements in the county. Most CUPAs have been established as a function of a local environmental health or fire department.

Hazardous Waste Management Program: The Hazardous Waste Management Program (HWMP) regulates hazardous waste through its permitting, enforcement, and Unified Program activities in accordance with HHSC Section 25135, *et seq*. The main focus of HWMP is to ensure the safe storage, treatment, transportation, and disposal of hazardous wastes.

State Water Resources Control Board (SWRCB): The SWRCB was created by the California legislature in 1967. The mission of SWRCB is to ensure the highest reasonable quality for waters of the State, while allocating those waters to achieve the optimum balance of beneficial uses. The joint authority of water allocation and water quality protection enables SWRCB to provide comprehensive protection for California's waters.

California Department of Industrial Relations – Division of Occupational Safety and Health (Cal/OSHA): In California, every employer has a legal obligation to provide and maintain a safe and healthful workplace for employees, according to the California Occupational Safety and Health Act of 1973 (per Title 8 of the CCR). The Division of Occupational Safety and Health (Cal/OSHA) program is responsible for enforcing California laws and regulations pertaining to workplace safety and health and for providing assistance to employers and workers about workplace safety and health issues. Cal/OSHA regulations are administered through Title 8 of the CCR. The regulations require all manufacturers or importers to assess the hazards of substances that they produce or import and all employers to provide information to their employees about the hazardous substances to which they may be exposed.

3.10.2.3 Local

Kings County General Plan Policies: The 2035 Kings County General Plan Health and Safety Element includes an objective and policy related to environmental hazards and hazardous materials. The policy that is pertinent to the Project is included below:

- HS Objective B1.5: Ensure adequate protection of County residents from new generations of toxic or hazardous waste substances.

- HS Policy B1.5.1: Evaluated development applications to determine the potential for hazardous waste generation and be required to provide sufficient financial assurance that is available to the County to cover waste cleanup and/or site restoration in instances where the site has been abandoned or the business operator is unable to remove hazardous materials form the site.

3.10.3 Impact Assessment

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

Less than Significant Impact. The Project will require the delivery of hazardous materials, such as gasoline and diesel, in quantities large enough to require the preparation and maintenance of a Hazardous Materials Business

Plan. These plans are reviewed and approved by the County Department of Public Health. Compliance with the Hazardous Material Business Plan will ensure the Project will have a less than significant impact.

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

Less than Significant Impact with Mitigation Incorporated. The Phase I ESA states that past agricultural activities on and around the Project site may have employed the use of pesticides or herbicides. Organochlorine pesticides (OCP) are environmentally persistent and relatively immobile in soil and many present a human health risk above certain concentrations. Residual concentrations of some banned OCPs have been detected above regulatory criteria in areas where they were applied at manufacturer's application rates. While not a Recognized Environmental Concern, as surface soils will be disturbed during the construction phases of the project, this may present a significant impact to the health of construction workers and other sensitive receptors who may come in contact with contaminated soil and/or groundwater. Implementation of **HAZ-1** and **HAZ-2** will ensure impacts remain less than significant.

3.10.3.1 Mitigation Measures

HAZ-1 (Test for pesticides/herbicides on currently or historically farmed land): Prior to initiating excavation or grading in areas where the land has been or is currently being farmed, soil samples shall be collected and tested for herbicides, pesticides, and fumigants to determine the presence and extent of any contamination. The sampling and testing shall be prepared in consultation with the County Agricultural Commission, conducted by an appropriate California licensed professional, and sent to a California Certified Laboratory. A report documenting the areas proposed for sampling and the process used for sampling and testing shall be submitted to the project's lead agency for review and approval at least 60 days prior to construction. Results of the laboratory testing and recommended resolutions for handling and excavating materials found to exceed regulatory requirements shall be submitted to the project lead agency 30 days prior to construction. If soil or groundwater contamination is confirmed as a result of soil sampling, the applicant's contractors or subcontractors shall immediately stop work and notify the designated environmental field representative. All work in the contaminated area shall cease, the work area shall be cordoned off, and the environmental field representative shall implement appropriate health and safety procedures. Work outside the contaminated area may continue as determined by the environmental field representative. Excavated materials containing elevated levels of pesticides or herbicides would require special handling and disposal according to procedures established by the regulatory agencies. Effective dust control suppression procedures shall be used in construction areas to reduce airborne emissions of these contaminants and reduce the risk of exposure to workers and the public. The applicant or applicant's contractors shall contact the appropriate regulatory agencies for the State of California (e.g., DTSC or RWQCB) and the County to plan options for handling, treating, and/or disposing of materials.

HAZ-2 (Contingency plan for encountering contaminated soils): If soil or groundwater contamination is suspected or encountered during grading or excavation activities (e.g., unusual soil discoloration or strong odor), the applicant's contractors or subcontractors shall immediately stop work and notify the designated environmental field representative. All work in the area of suspected contamination shall cease, the work area shall be cordoned off, and the environmental field representative shall implement appropriate health and safety procedures. Work outside the suspected area may continue as determined by the environmental field representative. Preliminary samples of the soil, groundwater, or suspected material shall be taken by OSHA-trained individuals and sent to a California Certified Laboratory for characterization. If the sample testing determines that contamination is not present, work shall continue at the previously suspected site. If contamination is found above regulatory limits, however, the appropriate regulatory agency (e.g., RWQCB or Certified

Unified Program Agency (CUPA)) responsible for responding to and providing environmental oversight of the region shall be notified in accordance with state or local regulations. In addition, the applicant or applicant's contractors shall contact the appropriate regulatory agencies for the State of California (e.g., DTSC or RWQCB) and the County to plan options for handling, treating, and/or disposing of materials. Documentation of the suspected contamination shall be made in the form of a report, identifying the location and potential contamination, as well as the process used for sampling. Results of laboratory testing and recommended resolutions for handling and excavating materials found to exceed regulatory requirements shall be submitted to the project lead agency for review and approval

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

No Impact. There are no schools, existing or proposed, within one-quarter mile of the Project site. Therefore, there is no impact.

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

No Impact. The Project area and the parcel within which it lies does not involve land that is listed as an active hazardous materials site pursuant to Government Code Section 65962.5 and is not included on the lists compiled by the Department of Toxic Substances Control described in Section 65962.5 above. Both the State Water Board's Geotracker and Department of Toxic Substances Control EnviroStor websites were checked for contaminated groundwater or sites in the area and none were found at or adjacent to the Project site. There would be no impact.

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

No Impact. The Project site is not within an Airport Land Use Plan, with the nearest being the Hanford Airport Land Use Plan. The Project is more than two miles away from all other public and public use airports. Therefore, there is no impact.

f) Would the project impair implementation of or physically interfere with an adopted emergency response plan or emergency evacuation plan?

Less than Significant Impact. The Project proposes to relocate the Fire Station approximately 1,300 feet west of its current location. The Project will continue to have direct access to Houston Avenue. Alternative access points to the north and east of the proposed access point will be provided. The 2012 Kings County Multi-Jurisdictional Local Hazard Mitigation Plan identifies that the Project Area is in a dam failure inundation area (Pine Flat and Terminus Dams). While the Plan indicates that failure is unlikely, inundation would be catastrophic. While not addressed in the 2015 Emergency Operations Plan, County staff have indicated that this would not have an impact on emergency operations[33]. Therefore, the Project will not impair implementation of or physically interfere with an adopted emergency response plan or emergency evacuation plan.

[33] Phone call with County staff. July 23rd, 2020.

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

Less than Significant Impact. The Project is not located within a Wildland-Urban Interface area[34] and therefore the Project will have not expose people structures, directly or indirectly, to a significant risk caused by wildland fires. There will be a less than significant impact.

[34] https://frap.fire.ca.gov/media/10300/wui_19_ada.pdf

3.11 Hydrology and Water Quality

Table 3-18. Hydrology and Water Quality Impacts

Hydrology and Water Quality Impacts					
	Would the project:	Potentially Significant Impact	Less than Significant with Mitigation Incorporated	Less than Significant Impact	No Impact
a)	Violate any water quality standards or waste discharge requirements or otherwise substantially degrade surface or ground water quality?	☐	☐	☒	☐
b)	Substantially decrease groundwater supplies or interfere substantially with groundwater recharge such that the project may impede sustainable groundwater management of the basin?	☐	☐	☒	☐
c)	Substantially alter the existing drainage pattern of the site or area, including through the alteration of the course of a stream or river or through the addition of impervious surfaces, in a manner which would:				
	i) result in substantial erosion or siltation on- or off-site;	☐	☐	☒	☐
	ii) substantially increase the rate or amount of surface runoff in a manner which would result in flooding on- or off-site;	☐	☐	☒	☐
	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?	☐	☐	☐	☒

3.11.1 Environmental Setting and Baseline Conditions

The climate in Kings County can be classified as Mediterranean with average rainfall rates of 7.6 inches annually, occurring primarily between November and April[35]. Hydrology in the Project area is associated with the Tulare Lake Hydrologic Region, containing three main subbasins. The Tulare Lake subbasin is in the northern alluvial fan and basin subarea characterized by southwest to south flowing rivers, creeks, and irrigation canal systems that convey water from the Sierra Nevada to the west toward the Tulare Lake Bed. The southern portion of

[35] County of Kings, *2035 Kings County General Plan, Health and Safety Element*, p. HS-2, January 26, 2010. Website: https://www.countyofkings.com/home/showdocument?id=13515 accessed August 2020.

the basin is internally drained by the Kings, Kaweah, Tule, and Kern Rivers[36]. The Tulare Lake Basin comprises the drainage area of the San Joaquin Valley south of the San Joaquin River and is essentially a closed basin because surface water drains north into the San Joaquin River only in years of extreme rainfall. The Project site consists of irrigated farmland and an existing Fire Station, both served by groundwater.

3.11.2 Regulatory Setting

3.11.2.1 Federal

Clean Water Act: The Clean Water Act (CWA) is intended to restore and maintain the chemical, physical, and biological integrity of the nation's waters (33 CFR 1251). The regulations implementing the CWA protect waters of the U.S. including streams and wetlands (33 CFR 328.3). The CWA requires States to set standards to protect, maintain, and restore water quality by regulating point source and some non-point source discharges. Under Section 402 of the CWA, the National Pollutant Discharge Elimination System (NPDES) permit process was established to regulate these discharges.

Federal Emergency Management Agency (FEMA) Flood Zones: The National Flood Insurance Act (1968) makes available federally subsidized flood insurance to owners of flood-prone properties. To facilitate identifying areas with flood potential, FEMA has developed Flood Insurance Rate Maps (FIRM) that can be used for planning purposes. Flood hazard areas identified on the Flood Insurance Rate Map are identified as a Special Flood Hazard Area (SFHA). SFHA are defined as the area that will be inundated by the flood event having a 1-percent chance of being equaled or exceeded in any given year. The 1-percent annual chance flood is also referred to as the base flood or 100-year flood. SFHAs are labeled as Zone A, Zone AO, Zone AH, Zones A1-A30, Zone AE, Zone A99, Zone AR, Zone AR/AE, Zone AR/AO, Zone AR/A1-A30, Zone AR/A, Zone V, Zone VE, and Zones V1-V30. Moderate flood hazard areas, labeled Zone B or Zone X (shaded) are also shown on the FIRM, and are the areas between the limits of the base flood and the 0.2-percent-annual-chance (or 500-year) flood. The areas of minimal flood hazard, which are the areas outside the SFHA and higher than the elevation of the 0.2-percent-annual-chance flood, are labeled Zone C or Zone X (un-shaded).

[36] California Department of Water Resources, California's Groundwater Bulletin 118, Tulare Lake Hydrologic Region, San Joaquin Valley Groundwater Basin, Kaweah Subbasin, 2016. Website: https://water.ca.gov/-/media/DWR-Website/Web-Pages/Programs/Groundwater-Management/Bulletin-118/Files/B118-Interim-Update-2016.pdf, accessed August 2020.

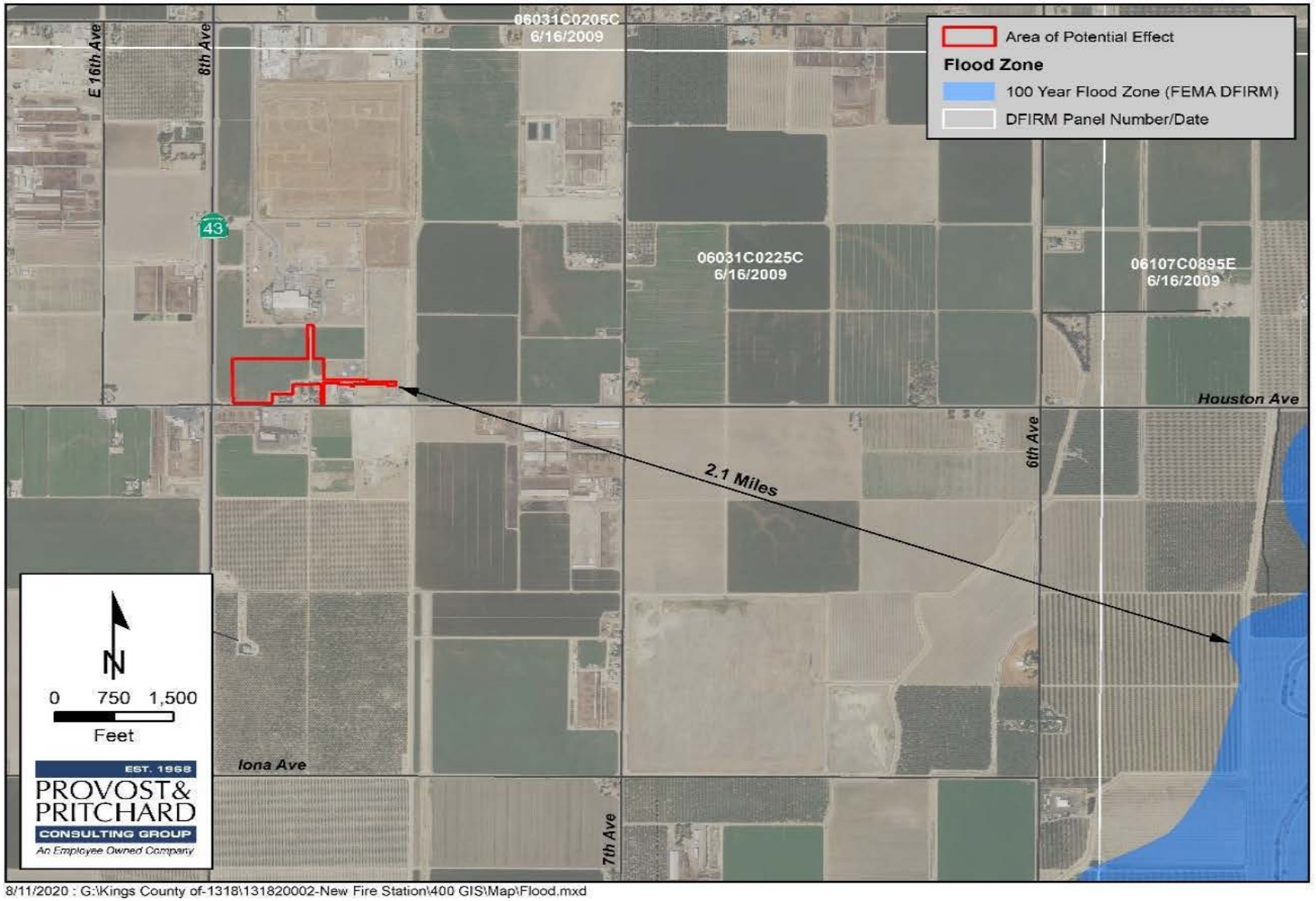

Figure 3-2. FEMA Flood Map

3.11.2.2 State

State Water Resources Control Board: The SWRCB has jurisdiction over water quality issues in California. The SWRCB is governed by the Porter-Cologne Water Quality Act (Division 7 of the Water Code (WC)), which establishes the legal framework for water quality control activities by the SWRCB. The intent of the Porter-Cologne Act is to regulate factors which may affect the quality of waters of the State to attain the highest quality which is reasonable, considering a full range of demands and values. Much of the implementation of the SWRCB's responsibilities is delegated to its nine Regional Boards. The Project area is located within the Central Valley Regional Water Quality Control Board (CVRWQCB). The CVRWQCB administers the NPDES storm water-permitting program in the Central Valley region. Construction activities on one acre or more are subject to the permitting requirements of the NPDES General Permit for Discharges of Storm Water Runoff Associated with Construction Activity (General Construction Permit). Additionally, CVRWQCB is responsible for issuing Waste Discharge Requirements Orders under WC Section 13260, Article 4, Waste Discharge Requirements.

For projects proposing ground disturbance of one acre or greater, the SWRCB requires a Storm Water Pollution Prevention Plan (SWPPP) as a requirement of the NPDES to regulate water quality associated with construction or industrial activities.

Recycled Water Policy: The Water Recycling Act of 1991 (WC Section 1357,5 *et seq.*) established a Statewide goal to recycle a total of 700,000 acre-feet of water per year (AFY) by the year 2000 and 1,000,000 AFY by the year 2010. In February 2009, the SWRCB adopted its Recycled Water Policy (SWRCB Resolution No. 2009-0011), the purpose of which is to increase the beneficial use of recycled water from municipal wastewater sources in a manner that fully implements State and Federal water quality laws. The policy directs the State to rely less on variable annual precipitation and more on sustainable management of surface waters and groundwater, together with enhanced water conservation, water reuse and the use of stormwater. As a part of the new recycled water policy, the SWRCB adopted the following four goals for California:

1. Increase the use of recycled water over 2002 levels by at least one million AFY by 2020 and by at least two million AFY by 2030.
2. Increase the use of stormwater over use in 2007 by at least 500,000 AFY by 2020 and by at least one million AFY by 2030.
3. Increase the amount of water conserved in urban and industrial uses by comparison to 2007 by at least 20 percent by 2020.
4. Included in these goals is the substitution of as much recycled water for potable water as possible by 2030.

In the new policy, the SWRCB also discussed several practical impacts of the greater use of recycled water in the State. Those impacts include the following:

- Groundwater salt and nutrient control: The SWRCB imposed a requirement that consistent salt and nutrient management plans be prepared for each basin and subbasin in California. Such plans must include a significant stormwater use and recharge component.
- Landscape irrigation: The SWRCB discussed issues involving the permitting of landscape irrigation projects that use recycled water, including the control of incidental runoff of recycled water.
- Groundwater recharge: The SWRCB addressed site-specific approvals of groundwater recharge projects using recycled water, emphasizing that such projects must not lower the water quality within a groundwater basin.
- Chemicals of emerging concern: The SWRCB further addressed chemicals of emerging concern (CEC), knowledge of which is currently "incomplete." An advisory panel will advise the Water Board regarding actions involving CECs, as they relate to the use of recycled water.

The wide-ranging ramifications of using recycled water, coupled with the aggressive goals established by the SWRCB for such future use in California, demonstrates that the new Recycled Water Policy will have a significant impact on land use activities within the State for many years to come.

Department of Water Resources (DWR): WC Section 10004, *et seq*. requires that DWR update the State Water Plan every five years. The Plan is currently undergoing its 2018 update; the most recent adopted version is from 2013.

For Update 2013, DWR worked with researchers at the University of California, Davis, to quantify how much growth might occur in the Tulare Lake Hydrologic Region through 2050. The model was used to estimate a year 2050 urban footprint under the scenarios of alternative population growth and development density. Each of the growth scenarios shows a decline in irrigated acreage over existing conditions, but to varying degrees. Irrigated crop acreage declines, on average, by about 90 thousand acres by year 2050 as a result of low population growth and urbanization in Tulare Lake region, while the decline under high population growth was higher by about 200 thousand acres. The change in water demand from 2006 to 2050 is estimated for the Tulare Lake Hydrologic Region for the agriculture and urban sectors under nine growth scenarios and 13 scenarios of future climate change. Urban demand increased under all nine growth scenarios tracking with population growth. Agricultural water demand decreases under all future scenarios due to reduction in irrigated lands as a result of urbanization and background water conservation. Groundwater resources were evaluated for performance under the plausible futures, resulting in 198 scenarios showing the change in groundwater storage from 2013 to 2050. About 95 percent of the futures lead to groundwater declines in the Tulare Lake Hydrologic Region and about 50 percent of the futures lead to declines greater than 10 percent.[37]

Government Code 65302 (d): A conservation element for the conservation, development, and utilization of natural resources including water and its hydraulic force, forests, soils, river and other waters, harbors, fisheries, wildlife, minerals, and other natural resources. That portion of the conservation element including waters shall be developed in coordination with any County-wide water agency and with all district and city agencies which have developed, served, controlled or conserved water for any purpose for the County or city for which the plan is prepared. Coordination shall include the discussion and evaluation of any water supply and demand information described in Section 65352.5, if that information has been submitted by the water agency to the city or County. The conservation element may also cover:

1. The reclamation of land and waters.
2. Prevention and control of the pollution of streams and other waters.
3. Regulation of the use of land in stream channels and other areas required for the accomplishment of the conservation plan.
4. Prevention, control, and correction of the erosion of soils, beaches, and shores.
5. Protection of watersheds.
6. The location, quantity and quality of the rock, sand and gravel resources.
7. Flood control.

Sustainable Groundwater Management Act: On September 16, 2014 Governor Edmund G. Brown, Jr. signed historic legislation to strengthen local management and monitoring of groundwater basins most critical to the State's water needs. The three bills, SB 1168 (Pavley), SB 1319 (Pavley), and AB 1739 (Dickinson) together makeup the Sustainable Groundwater Management Act (SGMA). SGMA comprehensively reforms groundwater management in California. The intent of the Act is to place management at the local level, although the State may intervene to manage basins when local agencies fail to take appropriate responsibility. The Act provides authority for local agency management of groundwater and requires creation of groundwater sustainability agencies and implementation of plans to achieve groundwater sustainability within basins of high and medium priority including the Tulare Lake Sub-basin. The Act took effect on January 1, 2015 and will be implemented over the course of next several years and decades.

[37] California Department of Water Resources, *California Water Plan Update 2013, Tulare Lake Hydrologic Region,* 2013. Website: https://water.ca.gov/-/media/DWR-Website/Web-Pages/Programs/California-Water-Plan/Docs/Update2013/Regional-Reports/Water-Plan-Update-2013-Tulare-Lake-Regional-Report.pdf, accessed August 2020.

3.11.2.3 Local

Kings County General Plan Policies:

The 2035 Kings County General Plan Health and Safety Element has the following goal and policies related to flood hazards:

- HS GOAL A4: Prevent unnecessary exposure of people and property to flood damage.
- HS Policy A4.1.1: Review new development proposals against current Federal Emergency Management Agency (FEMA) digital flood insurance rate maps and California Department of Water Resource special flood hazard maps to determine project site susceptibility to flood hazard.
- HS Policy A4.1.5: Regulate development, water diversion, vegetation removal, and grading to minimize any increase in flood damage to people and property.
- HS Policy A4.1.7: Consider and identify all areas subject to flooding in the review of all land divisions and development projects.

3.11.3 Impact Assessment

a) Would the project violate any water quality standards or waste discharge requirements or otherwise substantially degrade surface or ground water quality?

Less than Significant Impact. The project will not involve the disposal of any wastewater and will contain storm runoff in the proposed on-site retention basin and therefore would not violate any waste discharge requirements. Water quality for domestic/potable use is controlled by the County itself pursuant to State water quality regulations. It is not anticipated that the Project will degrade either surface- or ground-water quality. Thus, the Project will have a less than significant impact.

b) 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?

Less than Significant Impact. The Mid-Kings River Groundwater Sustainability Agency holds jurisdiction over the Project area and is responsible for developing and adopting a Groundwater Sustainability Plan to minimize significant impacts to lowering groundwater levels and promote aquifer replenishment in accordance with the States adopted Sustainable Groundwater Management Act by 2020. The Project is intended for the District's daily activities which will include nominal domestic level increase in water use primarily for restroom operations and clean drinking water. The Project will also increase groundwater recharge by way of diverting the Project's stormwater run-off to the existing onsite drainage basin. Therefore, the impacts would be less than significant.

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

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

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

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?

No Impact. The Project would not alter any existing drainage patterns of the site area such that substantial erosion or siltation on- or -off site would result nor would it alter the course of any streams or rivers as there

are none in immediate proximity to the site. The rate and amount of surface runoff from local storms may increase slightly due to the addition of building and parking impervious surfacing, however the proposed drainage basin is sized to retain all stormwater run-off on site and so as to not result in flooding on- or off-site. The Project would not contribute additional runoff water that would exceed the capacity of existing or planned stormwater drainage facilities. Additionally, the project would not impede or redirect flood flows (see **Figure 3-2**). Thus, the Project will have no impact.

d) Would the project in flood hazard, tsunami, or seiche zones, risk release of pollutants due to project inundations?

No Impact. There are no streams, rivers or other significant water bodies that could result in flood hazard, tsunami, or seiche and thereby risk release of pollutants due to project inundations. The Project area is over two miles away from the nearest 100-year flood zone (**Figure 3-2**).

e) Would the project conflict with or obstruct implementation of a water quality control plan or sustainable groundwater management plan?

No Impact. There is no water quality control plan or adopted sustainable groundwater management plan applicable to the Project site. Therefore, the Project would not conflict with or obstruct implementation of such plans. There would be no impact.

3.12 Land Use and Planning

Table 3-19. Land Use and Planning Impacts

Land Use and Planning Impacts					
Would the project:		Potentially Significant Impact	Less than Significant with Mitigation Incorporated	Less than Significant Impact	No Impact
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?	☐	☐	☐	☒

3.12.1 Environmental Setting and Baseline Conditions

General Plan Land Use Designations and Zone Districts are illustrated in **Figure 2-4** and **Figure 2-5**, respectively.

The project site is currently farmland, with rural residential adjacent to the site.

3.12.2 Regulatory Setting

There are no federal, State, or local regulations, plans, programs or guidelines associated with land use and planning that are applicable to the Project.

3.12.3 Impact Assessment

a) Would the project physically divide an established community?

No Impact. The existing rural residential homes in the vicinity currently have direct access to Houston Avenue, and the construction of the Project would not put a barrier between the homes and Houston Avenue. Therefore, there is no impact.

b) Would the project cause a significant environmental conflict with any land use plan, policy, or regulation adopted for the purpose of avoiding or mitigating an environmental effect?

No Impact. The Project has been designed and/or conditioned to comply with all General Plan policies and regulations that have been adopted for the purpose of avoiding and/or mitigating environmental effects. There is no impact.

3.13 Mineral Resources

Table 3-16. Mineral Resources Impacts

Mineral Resources Impacts					
	Would the project:	Potentially Significant Impact	Less than Significant with Mitigation Incorporated	Less than Significant Impact	No Impact
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?	☐	☐	☐	☒

3.13.1 Environmental Setting and Baseline Conditions

Minerals are defined as any naturally occurring chemical elements or compounds formed from inorganic processes and organic substances. Minable minerals, or an "ore deposit," are defined as a deposit of ore or mineral having a value materially in excess of the cost of developing, mining, and processing the mineral and reclaiming the area. The Project site is mapped as MRZ-3 (The significance of mineral deposits cannot be determined from the available data) by the California Geological Survey Mineral Resources Project.

3.13.2 Impact Assessment

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

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

No Impact. The project site is mapped as MRZ-3, meaning the significance of mineral deposits cannot be determined from available data. The nearest area designated MRZ-2, that is, where significant mineral resources are known or very likely, is approximately 26 miles east of the Project site. No mineral resource zones and no active or inactive mines mapped by the Office of Mine Reclamation are on or near the Project site[38][39]. The General Plan does not delineate locally-important mineral resource sites. Therefore, there would be no impact to known or locally-important mineral resources.

[38] https://maps.conservation.ca.gov/cgs/informationwarehouse/index.html?map=mlc
[39] https://maps.conservation.ca.gov/mol/index.html

3.14 Noise

Table 3-20. Noise Impacts

Noise Impacts					
	Would the project result in:	Potentially Significant Impact	Less than Significant with Mitigation Incorporated	Less than Significant Impact	No Impact
a)	Generation of a substantial temporary or permanent increase in ambient noise levels in the vicinity of the project in excess of standards established in the local general plan or noise ordinance, or applicable standards of other agencies?	☐	☒	☐	☐
b)	Generation of excessive ground borne vibration or ground borne 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?	☐	☐	☐	☒

3.14.1 Environmental Setting and Baseline Conditions

The project is located near the northern boundary of the unincorporated community of Armona in Kings County, CA. The Project area is bounded by Last Chance Ditch to the west, 14th Avenue to the east, a vacant parcel and Lacey Blvd to the north and agricultural fields to the south. The Project components are located on the Project site and in the 14th Avenue right-of-way. 14th Avenue, which is the main connection between the small community of Grangeville (population 467) and town of Armona (population 4561). Highway 198 runs southwest to northeast through the southern area of Armona. The City of Hanford (city limit boundary) is 1.3 miles east of the Project area.

3.14.2 Regulatory Setting

3.14.2.1 Federal

Federal Noise Control Act (1972)

Public Law 92-574 regulates noise emissions from operation of all construction equipment and facilities; establishes noise emission standards for construction equipment and other categories of equipment; and provides standards for the testing, inspection, and monitoring of such equipment. This Act gives states and municipalities primary responsibility for noise control.

Federal Vibration Policies

The Federal Railway Administration (FRA) and the Federal Transit Administration (FTA) have published guidance relative to vibration impacts. According to the FRA, fragile buildings can be exposed to ground-borne

vibration levels of 0.5 PPV without experiencing structural damage[40]. The FTA has identified the human annoyance response to vibration levels 75 to 80 VdB.

3.14.2.2 State

State of California's Guidelines for the Preparation and Content of Noise Element of the General Plan (1987)

These guidelines reference land use compatibility standards for community noise environments as developed by the California Department of Health Services, Office of Noise Control. Sound levels up to 60 Ldn or CNEL are determined to be normally acceptable for low density, single-family, duplex, and mobile home residential land uses. Sound levels up to 70 Ldn or CNEL are considered conditionally acceptable (where new construction or development should be undertaken only after a detailed analysis of the noise reduction requirements is made and needed noise insulation features are included in the design).

California Noise Control Act (1973)

This Act declares that excessive noise is a serious hazard to the public health and welfare, and established the now defunct Office of Noise Control, which had the responsibility to set standards for noise exposure in cooperation with local governments or the California Legislature. The California Office of Noise Control land use compatibility guidelines defined a 70 dBA CNEL noise level as the upper limit of "normally acceptable" noise levels for sensitive uses such as schools, libraries, hospitals, nursing homes, churches, parks, offices, and commercial and professional businesses. Although the Office of Noise Control is defunct, its guidelines still apply under the Act.

California Building Standards Code (Title 24)

Title 24 of the California Code of Regulations includes sound transmission control requirements that establish uniform minimum noise insulation performance standards for new hotels, motels, dormitories, apartment houses, and dwellings other than detached single-family units. Specifically, Title 24 states that interior noise levels attributable to exterior sources shall not exceed 45 dBA CNEL in any habitable room of new dwellings. Dwellings are to be designed so that interior noise levels would meet this standard for at least ten years from the time of building permit application.

3.14.2.3 Local

The Noise Element of the 2035 Kings County General Plan serves as the primary policy statement for the unincorporated areas of the County to maintain and improve the noise environment in the County. It should be noted that the County does not have specific zoning or general plan requirements related to vibration.

Table 3-21 shows the County maximum allowable noise exposure from Stationary Noise Sources (non-transportation noise), as presented in the Kings County General Plan Noise Element.[41]

[40] U.S. Department of Transportation, Federal Transit Administration, *Transit Noise and Vibration Impact Assessment Manual,* September 2018. Page 118. Website: https://www.transit.dot.gov/sites/fta.dot.gov/files/docs/research-innovation/118131/transit-noise-and-vibration-impact-assessment-manual-fta-report-no-0123_0.pdf, accessed August 2020.
[41] County of Kings, *2035 Kings County General Plan,* page N-38, January 26, 2010. Website: https://www.countyofkings.com/home/showdocument?id=13517 accessed August 2020.

Table 3-21. Non-Transportation Noise Standards

Receiving Land Use	Average (L_{eq})/Maximum (L_{max})[1]			Notes
	Outdoor Area[2]		Interior[3]	
	Daytime	Nighttime	Daytime/Nighttime	
All Residential	55/75	50/70	35/55	
Transient lodging	55/75	--	35/55	5,6
Hospitals, Nursing Homes	55/75	--	35/55	6
Theaters, Auditoriums	--	--	30/50	6
Churches, Meeting Halls, Schools, Libraries, etc.	55/75	--	35/60	6
Office Buildings	60/75	--	45/65	6
Commercial Buildings	55/75	--	45/65	6
Playgrounds, Parks, etc.	65/75	--	--	6
Industry	60/80	--	50/70	6

Notes:
1. Sensitive areas are defined acoustic terminology section.
2. Interior noise level standards are applied within noise-sensitive areas of the various land uses, with windows and doors in the closed positions.
3. Where there are no sensitive exterior spaces proposed for these uses, only the interior noise level standard shall apply.
4. Hospitals are often noise-generating uses. The exterior noise level standards for hospitals are applicable only at clearly identified areas designated for outdoor relaxation by either hospital staff or patients.
5. If this use is affected by railroad or aircraft noise, a maximum (Lmax) noise level standard of 70 dB shall be applied to all sleeping rooms with windows closed to reduce the potential for sleep disturbance during nighttime noise events.
6. Due to the noise-generating nature of agricultural activities, it is understood that residences constructed on agriculturally-designated land uses may be exposed to elevated noise levels. As a result, a 65 dB CNEL exterior noise level standard is applied to noise-sensitive outdoor areas of these uses.

The following are General Plan Noise Element policies which would apply to the Project:

- N Policy B1.1.3: Noise associated with construction activities shall be considered temporary, but will still be required to adhere to applicable County Noise Element standards.
- N Policy C1.1.1: All noise analyses prepared to determine compliance with the noise level standards contained within this Noise Element shall be prepared in accordance with the County's "Requirements for Acoustical Analyses Prepared in Kings County" (Table N-9).
- N Policy C1.1.2: Where noise mitigation measures are required to satisfy the noise level standards of this Noise Element, emphasis shall be placed on the use of setbacks and site design, prior to consideration of the use of noise barriers.
- N Policy C1.2.2: The following sources of noise shall be exempt from the provisions of this Noise Element:
    B. Emergency warning devices and equipment operated in conjunction with emergency situations, such as sirens and generators which are activated during power outages. The routine testing of such warning devices, equipment or generators shall be exempt provided such testing occurs during daytime hours and does not occur for periods of more than one hour per week.

3.14.3 Impact Assessment

a) 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 the local general plan or noise ordinance, or applicable standards of other agencies?

Less than Significant Impact with Mitigation Incorporated.

Construction-Related Noise

The Project site is located adjacent to the backyards of rural single-family residential lots. Construction of the Project will occur during weekdays during daytime hours. The Federal Highway Administration (FHWA) has compiled noise measurement data regarding the noise-generating characteristics of various types of construction equipment. The table below provides a summary of these typical noise levels of construction equipment as measured at a distance of 50 feet from the operating equipment.

Table 3-22. Typical Noise Levels of Construction Equipment

Type of Equipment	Impact Device?	Specification Maximum Sound Levels for Analysis (50 feet)
Auger Drill Rig	No	85
Backhoe	No	80
Compactor	No	80
Dozer	No	85
Excavator	No	85
Grader	No	85

As the Project is likely to use construction equipment whose sound levels exceed the General Plan standard resulting in potentially significant noise and vibrations to sensitive receptors during construction. Mitigation measures would be needed to reduce the impacts of noise levels and vibration to be less than significant.

Operations-Related Noise

The Project proposes to relocate an existing fire station approximately 1,300 feet to the west, however will still be equidistant to sensitive receptors. Operational noise will predominantly consist of vehicular noise consisting of emergency sirens, which already occurs at the existing site and is exempt from noise standards. Nearby sensitive receptors includes several residences whose backyards abut active farmland, which this Project proposes to convert. No new operational noise would be generated by the project, and thus the impact would be less than significant.

3.14.3.1 Mitigation Measures

- **NOI-1 (Acoustic Analysis):** The County shall retain a qualified subconsultant experienced in the fields of environmental noise assessment and architectural acoustics to conduct an acoustic analysis. The acoustic analysis shall review, at minimum, existing noise levels, the site plan, and the schedule of construction equipment to be used. The analysis shall measure the expected construction noise levels against the Noise Element standards of Residential properties, whose acceptable outdoor noise levels shall not exceed 75dB Lmax and 55dB Leq as measured at the residential property line, and 55 Lmax and 35 Leq of the interior of the residences during construction. These standards shall be reduced by 5 dB for sounds consisting primarily of speech or music, and for recurring impulsive sounds. If the existing ambient noise level exceeds the above standards, then the noise level standards shall be increased at 5 dB increments to encompass the ambient. Standard reductions/increases and any feasible means to reduce noise level exceedances to the general plan recommended levels shall be

implemented and monitored by the County and its construction contractor in accordance with the noise subconsultant recommendations.

b) Would the project result in generation of excessive ground borne vibration or ground borne noise levels?

Less than Significant Impact. Impact equipment is not anticipated to be used during construction activities, and will not be used during Project operations. Construction equipment may cause vibrations, however their vibration levels will be minimal. Therefore the Project will have a less than significant impact.

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

No Impact. The Project site is not located within an airport land use plan, or within two miles of any other public or public use airport. Therefore, there is no impact.

3.15 Population and Housing

Table 3-23. Population and Housing Impacts

Population and Housing Impacts					
	Would the project:	Potentially Significant Impact	Less than Significant with Mitigation Incorporated	Less than Significant Impact	No Impact
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?	☐	☐	☐	☒

3.15.1 Environmental Setting and Baseline Conditions

Since 1980, Kings County's population has increased at an annual average growth rate of 3.8 percent. However, much of the increase is inflated due to the opening of Avenal State Prison (1987), Corcoran State Prison I and II (1988), the California Substance Abuse Treatment Facility (1997), and expansion of Naval Air Station Lemoore (NAS Lemoore). Discounting military and correctional institutions, Countywide population still increased at a rate of approximately two percent annually since 1980[42].

3.15.2 Regulatory Setting

3.15.2.1 Federal

There are no federal regulations, plans, programs, and guidelines associated with population or housing that are applicable to the Project.

3.15.2.2 State

California Housing Element Law: State law requires each city and county to adopt a general plan for future growth. This plan must include a Housing Element that identifies housing needs for all economic segments and provides opportunities for housing development to meet that need. At the State level, the California Department of Housing and Community Development estimates the relative share of California's projected population growth that could occur in each county in the State based on Department of Finance population projections and historic growth trends. Kings County Association of Governments provides the regional housing needs and numbers to the council. The council then assigns a share of the regional housing need to each of its cities and counties. The process of assigning shares provides cities and counties the opportunity to comment on the proposed allocations.

The California Department of Housing and Community Development oversees the process to ensure that the councils of governments distribute their share of the State's projected housing need. Each city and county must update its general plan housing element on a regular basis (typically, every five to eight years). Among other things, including incorporating policies, the housing element must identify potential sites that could

[42] County of Kings, *Kings County 2035 General Plan,* January 26, 2010, Page I-4. Website: https://www.countyofkings.com/home/showdocument?id=3108, accessed August 2020.

accommodate the city's share of the regional housing need. Before adopting an update to its housing element, the city or county must submit a draft to the California Department of Housing and Community Development for review. The department advises the local jurisdiction as to whether its housing element complies with the provisions of California housing element law.

The Councils of Governments are required to assign regional housing shares to the cities and counties within their regions on a similar five-year schedule. At the beginning of each cycle, the California Department of Housing and Community Development provides population projections to the councils of governments, which then allocate shares to their cities and counties. The shares of the regional need are allocated before the end of the cycle so that the cities and counties can amend their housing elements by the deadline.

3.15.2.3 Local

There are no local regulations, plans, programs, or guidelines associated with population or housing that are applicable to the Project.

3.15.3 Impact Assessment

a) 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)?

b) Would the project displace substantial numbers of existing people or housing, necessitating the construction of replacement housing elsewhere?

No Impact. The Project would construct a new Fire Station and relocate operations from its current location, approximately 1,300 feet to the east. No residences are proposed to be demolished. The Project would not directly induce population growth as its service radius would not increase. Therefore, the Project will not cause substantial unplanned population growth or substantial existing people or housing. There is no impact.

3.16 Public Services

Table 3-24. Public Services Impacts

Public Services Impacts					
	Would the project:	Potentially Significant Impact	Less than Significant with Mitigation Incorporated	Less than Significant Impact	No Impact
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 other performance objectives for any of the public services:				
	Fire protection?	☐	☐	☐	☒
	Police protection?	☐	☐	☒	☐
	Schools?	☐	☐	☒	☐
	Parks?	☐	☐	☒	☐
	Other public facilities?	☐	☐	☒	☐

3.16.1 Environmental Setting and Baseline Conditions

Fire Protection: The existing Fire Station No. 4 is located approximately 1,300 feet away. The second closest Kings County facility is Fire Station No. 2, approximately 10 miles northeast. The Fire Department uses the National Fire Protection Association (NFPA) standard for fire protection services, which requires 1.2 firefighters per 1,000 residents. In addition, the Fire Department considers any development outside the five miles response zone to be an impact to fire protection services.

Police Protection: The Project would be served by the Kings County Sherriff's office. The closet station, Hanford Station, is 4.2 miles northwest of the Project area. A Sheriff Department's goal is to provide one officer per 1,000 residents. If development facilitated by the 2035 General Plan decreases this service ratio such that it would require the construction of new or expanded facilities, significant impacts could result.

Schools: The Project is located in the Kit Carson Elementary School District and Hanford Joint Union High School District., The closest schools of each respective district is 2 miles north and 4 miles northwest.

Parks: The nearest park is Home Garden Community Park, less than 2 miles west of the Project area. The County's Quimby Act parkland to population ratio is two acres per 1,000 residents. The County currently has 130.7 acres, and with General Plan build-out of 44,788 residents, this standard has already been met.

Other Public Facilities: The closest active landfill site in Kings County is Avenal Regional Landfill at 201 North Hydril Road, Avenal. The closest hazardous materials landfill is the Waste Management Kettleman Hills facility which is approximately 34 miles southwest of the Project area.[43]

3.16.2 Regulatory Setting

3.16.2.1 Federal

There are no federal regulations, plans, programs or guidelines associated with public services that are applicable to the Project.

3.16.2.2 State

There are no State regulations, plans, programs or guidelines associated with recreation that are applicable to the Project.

3.16.2.3 Local

Kings County General Plan Policies: The 2035 Kings County General Plan Health and Safety Element has the following goal related to public services:

- Goal C2: Support Countywide safety through adequate law enforcement, quality fire protection, emergency preparedness, and accessibility in times of emergency.

3.16.3 **Impact Assessment**

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

Less than Significant Impact. The Project seeks to relocate the existing Fire Station approximately 1,300 feet to the west. The Project does not propose to increase the resident population. Changes in emergency response times would be minimal. The existing Fire Station would continue to operate while the Project is being constructed. The Project would not result in increased impacts to other public services, therefore the Project would have a less than significant impact.

[43] County of Kings *2035 General Plan,* January 26, 2010, pages LU-9 through LU-10. https://www.countyofkings.com/home/showdocument?id=15995, Accessed August 2020.

3.17 Recreation

Table 3-25. Recreation Impacts

Recreation Impacts					
	Would the project:	Potentially Significant Impact	Less than Significant with Mitigation Incorporated	Less than Significant Impact	No Impact
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)	Does the project include recreational facilities or require the construction or expansion of recreational facilities which might have an adverse physical effect on the environment?	☐	☐	☐	☒

3.17.1 Environmental Setting and Baseline Conditions

Kings County currently owns and maintains three parks (Burris, Hickey, and Kingston) which are located in the northern portions of the County and surrounded by agricultural areas. The nearest park is Home Garden Community Park, less than 2 miles west of the Project area. The County's Quimby Act parkland to population ratio is two acres per 1,000 residents. The County currently has 130.7 acres, and with General Plan build-out of 44,788 residents, this standard has already been met.

3.17.2 Regulatory Setting

There are no federal, State, or local regulations, plans, programs or guidelines associated with recreation that are applicable to the Project.

3.17.3 Impact Assessment

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

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

No Impact. The Project consists of the construction of a Fire Station. No recreational facilities are required to be constructed by this Project. The Project will be required to pay all impact fees towards public services and facilities impacted, therefore there will be no impact.

3.18 Transportation

Table 3-26. Transportation Impacts

Transportation Impacts					
	Would the project:	Potentially Significant Impact	Less than Significant with Mitigation Incorporated	Less than Significant Impact	No Impact
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?	☐	☐	☒	☐

3.18.1 Environmental Settings and Baseline Conditions

The Project will be constructed within the northeast corner of a 15.6-acre parcel to be conveyed to the County. A new driveway from Houston Avenue will serve the new Fire Station building. The existing access point is approximately 1,300 feet east of the Project site. No sidewalks or bicycle lanes exist in the surrounding area. State Route 43 is located approximately 660 feet west of the proposed access drive onto Houston Avenue, a General Plan-designated Minor Arterial. There are no scheduled transit stops near the Project site. Existing trips to and from the existing Fire Station site primarily consist of employee vehicles and emergency response vehicles.

3.18.2 Regulatory Setting

3.18.2.1 Federal

There are no federal regulations, plans, programs or guidelines associated with transportation that are applicable to the Project.

3.18.2.2 State

There are no State regulations, plans, programs or guidelines associated with transportation that are applicable to the Project.

3.18.2.3 Local

Kings County General Plan Policies: The 2035 Kings County General Plan has the following goals and objectives for traffic and circulation:

- Goal A1: Provide a coordinated countywide circulation system with a variety of safe and efficient transportation alternatives and modes that interconnect cities, community districts, adult education facilities, and adjoining cities in neighboring counties, and meets the growing needs of residents, visitors, and businesses.

- Objective A1.3: Maintain an adequate LOS for County roadways and ensure proper maintenance occurs along critical routes for emergency response vehicles.
- Goal C1: Integrate through the County's regional transportation system, an efficient and coordinated goods and people moving network of highways, railroads, public transit, and non-motorized options that reduce overall fuel consumption and associated air emissions.

3.18.3 Impact Assessment

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

Less than Significant Impact. The Project will be constructed near the northeast corner of State Route 43 and Houston Avenue, just west of the existing Fire Station No. 4. A new access point from Houston Avenue will serve the new Fire Station building. Construction traffic associated with the Project would be temporary, lasting approximately 12 months for excavation of soil, grading, site preparation, and construction of the new building. Operational traffic consists of employee trips, emergency response trips, and as-needed maintenance trips. There would not be a significant adverse effect to existing roadways in the area.

There are no pedestrian, transit, or bicycle facilities in the vicinity of the area. Therefore, the Project would not conflict with any congestion management plan or any other applicable plan, ordinance, or policy establishing measures of effectiveness for the performance of the circulation system.

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

Less than Significant Impact. As this land use project proposes to relocate an existing facility approximately 1,300 feet from its existing location, vehicle miles traveled impacts are minimal. Furthermore, placing such emergency response facilities closer to existing population centers, while extremely reducing vehicle miles traveled, would significantly and detrimentally increase emergency response times and consequently conflict with the goals of 15064.3(b). The Project thus has a less than significant impact.

c) 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)?

Less than Significant Impact. The Project will be required to provide the necessary turning radii for fire apparatus and other large equipment expected to traverse the site. Additionally, access onto Houston Avenue is spaced the maximum distance away possible from State Route 43. Thus, there will be a less than significant impact.

d) Would the project result in inadequate emergency access?

Less than Significant Impact. The Project will be required to comply with all Public Works Standards and California Fire Code standards regarding access drive widths and access spacing standards with regards to Houston Avenue and State Route 43. Therefore, there will be a less than significant impact.

3.19 Tribal Cultural Resources

Table 3-27. Tribal Cultural Resources Impacts

Tribal Cultural Resources Impacts				
Would the project:	**Potentially Significant Impact**	**Less than Significant with Mitigation Incorporated**	**Less than Significant Impact**	**No Impact**
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 the 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 Resources Code Section 5024.1, the lead agency shall consider the significance of the resource to a California Native American tribe.	☐	☒	☐	☐

3.19.1 Environmental Setting and Baseline Conditions

The Project lies within the homeland of the Southern Valley Yokuts. At the time of first contact with the Spanish missionaries, the Yokuts people, which also includes northern valley and foothill groups, collectively inhabited the San Joaquin Valley as well as the eastern foothills of the Sierra Nevada from the Fresno River southward to the Kern River.

3.19.2 Regulatory Setting

3.19.2.1 Federal

There are no federal regulations, plans, programs, and guidelines associated with tribal cultural resources that are applicable to the Project.

3.19.2.2 State

California Environmental Quality Act and the CEQA Guidelines (PRC 21000, *et seq.*; CCR Title 14, Chapter 3, Section 15000. *et seq.*)

CEQA is applicable to discretionary actions by State or local lead agencies. Under CEQA, lead agencies must analyze impacts to cultural resources, generally (see **Section 3.6** and Cultural Resources, specifically. This section discusses impacts to cultural resources directly related to Native American Tribes of the Project area.

The distinction for Tribal Cultural Resources is that they are described as 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.

3.19.2.3 Local

No local policies regarding tribal cultural resources apply to the Project.

3.19.3 Impact Assessment

a) Would the project cause a substantial adverse change in the significance of a tribal cultural resource, defined in Public Resources Code section 21074 as either a site, feature, place, cultural landscape that is geographically defined in terms of the size and scope of the landscape, sacred place, or object with cultural value to a California Native American tribe, and that is:

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

a-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.

Less than Significant Impact with Mitigation Incorporated.

A record search of site files and maps was conducted on July 27, 2020 at the Southern San Joaquin Valley Archaeological Information Center, California State University, Bakersfield. These investigations determined that the study area had been surveyed previously twice and that one historic resource was known to exist within the one-half mile radius, P-16-000250, Settlers Ditch. The records search determined that there are no recorded archaeological resources within the Project area.

Kings County, as a public lead agency has received a formal request for notification from the Santa Rosa Rancheria Tachi Yokut Tribe, pursuant to AB 52. The County complied and one response from the Santa Rosa Rancheria Tachi Yokut Tribe, requesting that prior to commencement of ground-disturbing activities, a cultural presentation shall be made to all construction staff (**Appendix C**).

Additionally, there is little chance the Project will cause a substantial adverse change to the significance of a tribal cultural resource as defined. Nonetheless, Mitigation Measures CUL-1 through CUL-3, described above in **Section 3.6**, are recommended in the event cultural materials or human remains are unearthed during excavation or construction.

3.20 Utilities and Service Systems

Table 3-28. Utilities and Service Systems Impacts

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

3.20.1 Environmental Setting

3.20.1.1 Water Supply

Wastewater Services / Facilities: Wastewater collection and treatment is not provided in the rural parts of Kings County, such as where the Project area is located. Instead, development outside of incorporated cities and community service districts typically relies on individual septic systems for wastewater disposal and treatment.

Water: Surface water is provided in Kings County by a network of rivers, creeks, canals, reservoirs, and the aqueduct. Principal among these features are the Kings River, Cross Creek, and the California Aqueduct. The natural water source is from snow and watershed runoff in the Sierra Nevada Mountain Range to the east. The construction of Pine Flat, Success, Terminus, and Isabella Dams in the Sierra Nevada Mountains have helped to control flooding within the Central Valley. The dams also help in timing the release of surface water to valley water users. The rivers supply much of the surface water used for irrigation and serve to assist in ground water recharge efforts that support ground water pumping for agriculture, domestic and industrial uses.

Agricultural water supplies are typically provided by irrigation canals and supplemented by groundwater wells. In the rural parts of Kings County, potable water is typically provided by individual groundwater wells.

Solid Waste: The Kings Waste and Recycling Authority (KWRA) was formed in September 1989 by agreement between the cities of Lemoore, Hanford, Corcoran, and the County to provide a regional approach to all waste management activities in the County. Solid waste is first directed to the KWRA facility and then transferred to Chemical Waste Management, Inc.'s Kettleman Hills Facility, which operates both municipal waste and hazardous waste landfills at their site west of Interstate 5 along SR 41.

Non-recyclable materials are transferred to the B-17 Landfill Unit at the Chemical Waste Management, Inc. (CWMI) Kettleman Hills Facility located on SR-41 in Kettleman Hills. The B-17 Landfill Unit has a maximum disposal rate of 2,000 tons per day, and currently accepts an average of 1,350 tons per day (http://kettlemanhillslandfill.wm.com/fact-sheets/2011/facility-overview.jsp).

The total permitted capacity of B-17 Landfill Unit is 18.4 million cubic yards according to Page 2-3 in Section 2.3 of the Draft Subsequent Environmental Impact Report (DSEIR) for Conditional Use Permit (CUP) No. 04-01 for the B-17 Landfill Project. The Waste Management Kettleman Hills B-17 Landfill 2016 Airspace Report lists a remaining capacity of approximately 15,843,300 cubic yards for B-17[44].

Page 2-3 in Section 2.3 of the DSEIR for CUP No. 04-01 for the B-17 Landfill Project also states that the facility will be permitted to receive up to 2,000 tons per day of non-hazardous waste (municipal solid waste and designated waste) for disposal, 6 days per week (except Sundays) from 8:00 a.m. until 6:00 p.m. There is no limit on Class II soils that are received for beneficial use, such as daily or intermediate cover, or wastes received for use alternative daily cover (ADC).

3.20.2 Regulatory Setting

3.20.2.1 Federal

National Pollutant Discharge Elimination System: Discharge of treated wastewater to surface water(s) of the U.S., including wetlands, requires an NPDES permit. In California, the RWQCB administers the issuance of these federal permits.

Obtaining a NPDES permit requires preparation of detailed information, including characterization of wastewater sources, treatment processes, and effluent quality. Any future development that exceeds one acre in size would be required to comply with NPDES criteria, including preparation of a Stormwater Pollution Prevention Plan (SWPPP) and the inclusion of BMPs to control erosion and offsite transport of soils.

3.20.2.2 State

State Water Resources Control Board (SWRCB): Waste Discharge Requirements Program. State regulations pertaining to the treatment, storage, processing, or disposal of solid waste are found in Title 27, CCR, Section 20005 et seq. (hereafter Title 27). I n general, the Waste Discharge Requirements (WDRs) Program (sometimes also referred to as the "Non-Chapter 15 (Non-15) Program") regulates point discharges that are exempt pursuant to Subsection 20090 of Title 27 and not subject to the Federal Water Pollution Control Act. Exemptions from Title 27 may be granted for nine categories of discharges (e.g., sewage, wastewater, etc.) that meet, and continue to meet, the preconditions listed for each specific exemption. The scope of the WDRs Program also includes the discharge of wastes classified as inert, pursuant to Section 20230 of Title 27. Several programs are administered under the WDR Program, including the Sanitary Sewer Order and recycled water programs.

Regional Water Quality Control Boards: The primary responsibility for the protection of water quality in California rests with the State Water Resources Control Board (State Board) and nine Regional Water Quality Control

[44] CalRecycle. Waste Management Kettleman Hills B-17 Landfill 2016 Airspace Report. Website: http://www.calrecycle.ca.gov/SWFacilities/Directory/16-AA-0021/Document/306996. Accessed August 2020.

Boards. The State Board sets statewide policy for the implementation of state and federal laws and regulations. The Regional Boards adopt and implement Water Quality Control Plans (Basin Plans) which recognize regional differences in natural water quality, actual and potential beneficial uses, and water quality problems associated with human activities.

National Pollutant Discharge Elimination System (NPDES) Permit. As authorized by the Clean Water Act (CWA), the National Pollutant Discharge Elimination System (NPDES) Permit Program controls water pollution by regulating point sources that discharge pollutants into water of the United States. In California, it is the responsibility of Regional Water Quality Control Boards (RWQCB) to preserve and enhance the quality of the state's waters through the development of water quality control plans and the issuance of waste discharge requirements (WDRs). WDRs for discharges to surface waters also serve as NPDES permits[45]

California Department of Water Resources: The California Department of Water Resources (DWR) is a department within the California Resources Agency. The DWR is responsible for the State of California's management and regulation of water usage.

3.20.2.3 Local

AB 939: The California Integrated Waste Management Act of 1989 (also known as AB 939) required each city and county in California to prepare plans for solid waste management that demonstrate a reduction in the amount of solid waste sent to landfill, as well as a long-term plan to ensure implementation of diversion programs and adequate disposal capacity. The Countywide Integrated Waste Management Plan (Kings County 1995) contains goals, objectives, and policies designed to protect public health, safety, and well-being; preserve the environment; and provide for the maximum feasible conservation of natural resources and energy. The county has established a hierarchy (listed from most to least desirable) of waste prevention (source reduction), reuse, recycling, composting, and disposal. The Countywide Integrated Waste Management Plan includes a mandatory Source Reduction and Recycling Element as required by AB 939, as well as a Household Hazardous Waste Element.

3.20.3 Impact Assessment

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

Less than Significant Impact. All water, power and communication utilities will be extended to the site as a requirement of County Site Plan Review. Water utilities will be extended from the existing well adjacent to the current fire station location. The proposed storm water drainage basin is sized for full development of the site and will not need to be enlarged. All of these features are a part of this Project. Therefore, the impact would be less than significant.

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

Less than Significant Impact. Pursuant to General Plan Policy RC A1.1.2, Provost & Pritchard Consulting Group prepared a Water Supply Assessment (**Appendix E**) analyzing the Project's water consumption compared to the existing Fire Station, as well as the supply capacity of the well. There is no anticipated increase in water demand resulting from implementation of the Project. The Project will not impede sustainable groundwater management of the Tulare Lake subbasin, nor will it substantially decrease ground water supplies. Information regarding the throughput of the well could not be provided, and thus there is a possibility that the

[45] California State Water Resources Control Board. National Pollutant Discharge Elimination System (NPDES). Site Available: http://www.waterboards.ca.gov/water_issues/programs/npdes/. Accessed August 2020.

existing well cannot supply the necessary amount of water for construction purposes in a timely fashion, however this does not constitute a detrimental environmental impact, as construction crews will be required to deliver construction water to the site. Impacts would be less than significant.

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

No Impact. The Project will not generate wastewater that will be delivered to a wastewater treatment provider. Therefore, there is no impact.

d) 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?

Less than Significant Impact. The Project will generate a minimal increase of solid waste from operation beyond the day to day activities of the office, due to the enlargement of the facility.

Project construction will generate minimal amounts of solid waste. Any construction debris that is not recycled will be received at the KWRA. The KWRA facility is adjacent to the Project area. Impacts will be less than significant.

e) Would the project comply with federal, state, and local management and reduction statutes and regulations related to solid waste?

Less than Significant Impact. Implementation of the Project involves the construction of a new fire station and is not anticipated to produce significant or excessive amounts of solid waste beyond a domestic level. Furthermore, the Project would continue to comply with any federal, State, and local regulations regarding solid waste. Impacts will be less than significant.

3.21 Wildfire

Table 3-29. Wildfire Impacts

Wildfire Impacts					
If located in or near state responsibility areas or lands classified as very high fire hazard severity zones, would the project:		Potentially Significant Impact	Less than Significant with Mitigation Incorporated	Less than Significant Impact	No Impact
a)	Substantially impair an adopted emergency response plan or emergency evacuation plan?	☐	☐	☐	☒
b)	Due to slope, prevailing winds, and other factors, exacerbate wildfire risks, and thereby expose project occupants to pollutant concentrations from a wildfire or the uncontrollable spread of 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?	☐	☐	☐	☒

3.21.1 Environmental Setting and Baseline Conditions

The Project is in an unzoned Local Responsibility Area, adjacent to a Moderate Fire Hazard Severity Zone[46], and is approximately 36 miles away from a zoned State Responsibility Area. The nearest Very High Fire Hazard Severity Zone is approximately 42 miles southeast.[47]

3.21.2 Impact Assessment

If located in or near state responsibility areas or lands classified as very high fire hazard severity zones, would the project:

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

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

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

[46] https://osfm.fire.ca.gov/media/6689/fhszl06_1_map16.pdf
[47] https://osfm.fire.ca.gov/media/6690/fhszs_map16.pdf

No Impact. The Project is not located in or near a Very High Fire Hazard Severity Zone, and thus there is no impact.

3.22 CEQA Mandatory Findings of Significance

Table 3-30. Mandatory Findings of Significance Impacts

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

3.22.1 Environmental Settings and Baseline Conditions

The Project site currently consists of farmland, adjacent to rural residential, a materials recovery facility, and government facilities, including the existing fire station that is proposed to be relocated as part of the Project.

3.22.2 Impact Assessment

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

Less than Significant with Mitigation Incorporated The analysis conducted in this Initial Study/Mitigated Negative Declaration results in a determination that the Project, with incorporation of mitigation measures, will have a less than significant effect on the environment. The potential for impacts to agriculture, biological resources, cultural resources, energy, geology and soils, hazards and hazardous materials, noise, and tribal cultural resources from the implementation of the Project will be less than significant with the incorporation of the mitigation measures discussed in **Chapter 4 Mitigation Monitoring and Reporting Program**. Accordingly, the Project will involve no potential for significant impacts through the degradation of the quality of the environment, the reduction in the habitat or population of fish or wildlife, including endangered plants

or animals, the elimination of a plant or animal community or example of a major period of California history or prehistory.

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

Less than Significant Impact. CEQA Guidelines Section 15064(i) States that a Lead Agency shall consider whether the cumulative impact of a project is significant and whether the effects of the project are cumulatively considerable. The assessment of the significance of cumulative effects of a project must be conducted in connection with the effects of past projects, other current projects, and probable future projects. The Project will include the construction of a new fire station to meet the needs of the Fire Department.

The Project would not result in direct or indirect population growth. Therefore, implementation of the Project would not result in significant cumulative impacts and all potential impacts would be reduced to less than significant through the implementation of mitigation measures and basic regulatory requirements incorporated into future Project design.

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

Less than Significant with Mitigation Incorporated. The Project will not result in substantial adverse effects on human beings, either directly or indirectly. With implementation of the mitigation measures discussed in **Chapter 4 Mitigation Monitoring and Reporting Program** and the implementation of Best Management Practices and general safety protocols during construction and maintenance of the Project, impacts will be less than significant.

3.23 Determination: (To be completed by the Lead Agency)

On the basis of this initial evaluation:

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

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

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

☐ I find that although the 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 Project, nothing further is required.

Signature

3-17-21
Date

Victor Hernandez Planner
Printed Name/Position

Chapter 4 Mitigation Monitoring and Reporting Program

This Mitigation Monitoring and Reporting Program (MMRP) has been formulated based upon the findings of the Initial Study/Mitigated Negative Declaration (IS/MND) for the Fire Station Project in unincorporated Kings County. The MMRP lists mitigation measures recommended in the IS/MND for the Project and identifies monitoring and reporting requirements.

Table 4-1 presents the mitigation measures identified for the Project. Each mitigation measure is numbered with a symbol indicating the topical section to which it pertains, a hyphen, and the impact number. For example, AIR-2 would be the second mitigation measure identified in the Air Quality analysis of the IS/MND.

The first column of **Table 4-1** identifies the mitigation measure. The second column, entitled "When Monitoring is to Occur," identifies the time the mitigation measure should be initiated. The third column, "Frequency of Monitoring," identifies the frequency of the monitoring of the mitigation measure. The fourth column, "Agency Responsible for Monitoring," names the party ultimately responsible for ensuring that the mitigation measure is implemented. The last columns will be used by the County to ensure that individual mitigation measures have been complied with and monitored.

Table 4-1. Mitigation Monitoring and Reporting Program

Mitigation Monitoring and Reporting Program					
Mitigation Measure/Condition of Approval	**When Monitoring is to Occur**	**Frequency of Monitoring**	**Agency Responsible for Monitoring**	**Method to Verify Compliance**	**Verification of Compliance**
Agricultural Resources					
AG-1: Farmland Security Zone Enrollment					
Prior to ground disturbance, the County of Kings shall enroll qualified farmland of an amount equal to or greater than the amount of farmland lost, into the County's Farmland Security Zone.	Prior to project approval Prior to ground disturbance	N/A	County of Kings	Submittal of a report	
Biological Resources					
BIO-1: Avoidance					
The Project's construction activities shall occur, if feasible, between September 16 and January 31 (outside of nesting bird season) in an effort to avoid impacts to nesting birds.	Prior to the start of construction and during construction	N/A	County of Kings	Documentation of start and stop dates of construction.	
BIO-2: Pre-construction Surveys					
If activities must occur within nesting bird season (February 1 to September 15), a qualified biologist shall conduct pre-construction surveys for active nests within ten (10) days prior to the start of construction. The survey shall include the proposed work area and surrounding lands within 0.5 mile. If no active nests are observed, no further mitigation is required. Raptor nests are considered "active" upon the nest-building stage.	Prior to the start of construction	Once, prior to the start of construction	County of Kings	Documentation of start, stop, and resumption dates of construction, written report from qualified biologist of results of pre-construction survey, and record of mitigation carried out.	

Mitigation Monitoring and Reporting Program					
Mitigation Measure/Condition of Approval	**When Monitoring is to Occur**	**Frequency of Monitoring**	**Agency Responsible for Monitoring**	**Method to Verify Compliance**	**Verification of Compliance**
BIO-3: Establish Buffers					
On discovery of any active nests or breeding colonies near work areas, the biologist shall determine appropriate construction setback distances based on applicable CDFW and/or USFWS guidelines and/or the biology of the species in question. Specifically, a 300-foot disturbance-free buffer shall be implemented around breeding colonies of tricolored blackbird, and a 0.5-mile disturbance-free buffer shall be implemented around active Swainson's hawk nests, if feasible. Construction buffers shall be identified with flagging, fencing, or other easily visible means, and shall be maintained until the biologist has determined that the nestlings have fledged.	Prior to the start of construction and during construction	Once, prior to the start of construction or as determined by biologist	County of Kings	Documentation of start, stop, and resumption dates of construction, written report from qualified biologist of results of pre-construction survey, and record of mitigation carried out.	
BIO-4: WEAP Training					
On discovery of any special status bird species, all personnel associated with Project construction shall attend mandatory Worker Environmental Awareness Program (WEAP) training, conducted by a qualified biologist, prior to initiating construction activities (including staging and mobilization). The specifics of this program shall include identification of the special status species and suitable habitats, a description of the regulatory status and general ecological characteristics of the species, and review of the limits of construction and mitigation measures required to reduce impacts to biological resources within the work area. A fact sheet conveying this information, along with photographs or illustrations of the special status species, shall also be prepared for distribution to all contractors, their employees, and all other personnel involved with construction of the Project. All employees shall sign a form documenting that they have attended WEAP training and understand the information presented to them.	During construction activities	Ongoing during construction	County of Kings	Documentation of all construction personnel signed statement documenting that they have attended WEAP training and understand the information presented to them.	
BIO-5: Construction During Daylight Hours					
Construction activities shall be limited to daylight hours to reduce potential impacts to special status bats that could be foraging onsite.	During construction activities	Daily during construction	County of Kings	Documentation of start, stop, and resumption dates of construction	

Mitigation Monitoring and Reporting Program					
Mitigation Measure/Condition of Approval	**When Monitoring is to Occur**	**Frequency of Monitoring**	**Agency Responsible for Monitoring**	**Method to Verify Compliance**	**Verification of Compliance**
Cultural Resources					
CUL-1: Archaeological Resources					
During the project ground disturbance activities, a qualified archaeological monitor shall be present to identify any unearthed cultural resources and make the appropriate mitigation recommendations. A list of qualified consultants can be found at www.chrisinfo.org. The District shall implement all recommendations of the archaeologist necessary to avoid or reduce to a less than significant level potential impacts to cultural resource. Appropriate actions could include a Data Recovery Plan or preservation in place.	During all ground disturbing activities.	Continuously during all ground disturbing activities.	County of Kings	Written report prepared by qualified archaeologist documenting findings and actions taken to mitigate impact.	
CUL-2: Tribal Monitoring					
A representative from the Santa Rosa Rancheria Tachi-Yokut Tribe shall be present during all ground disturbances in the project area and make the appropriate mitigation recommendations based on any and all findings. a. **Cultural Resources Alert on Project Plans.** The project proponent shall note on any plans that require ground disturbing excavation that there is a potential for exposing buried cultural resources. b. **Pre-Construction Briefing.** The project proponent shall retain Santa Rosa Rancheria Cultural Staff to provide a pre-construction briefing to construction staff regarding the discovery of cultural resources and the potential for discovery during ground disturbing activities, which will include information on potential cultural material finds and on the procedures to be enacted if resources are found. c. **Stop Work Near any Discovered Cultural Resources.** Should previously unidentified cultural resources be discovered during construction of the project, the project proponent shall cease work within 100 feet of the resources, and Kings County Community Development Agency (CDA) shall be notified immediately. The archaeologist shall review and evaluate any discoveries to determine if they are historical resource(s) and/or unique archaeological resources under CEQA. d. **Mitigation for Discovered Cultural Resources.** If the professional archaeologist determines that any cultural resources exposed during construction constitute a historical resource and/or unique archaeological resource, he/she shall notify the project proponent and other appropriate	During all ground disturbing activities.	Continuously during all ground disturbing activities.	County of Kings	Documented records by the District of dates of ground disturbing activities, name of Tribal representative present, any mitigation recommended by the Tribal representative and District actions taken on recommended mitigation.	

Mitigation Monitoring and Reporting Program					
Mitigation Measure/Condition of Approval	**When Monitoring is to Occur**	**Frequency of Monitoring**	**Agency Responsible for Monitoring**	**Method to Verify Compliance**	**Verification of Compliance**
parties of the evaluation and recommended mitigation measures to mitigate the impact to a less-than-significant level. Mitigation measures may include avoidance, preservation in-place, recordation, additional archaeological testing and data recovery, among other options. Treatment of any significant cultural resources shall be undertaken with the approval of the Kings County CDA. The archaeologist shall document the resources using DPR 523 forms and file said forms with the California Historical Resources Information System, Southern San Joaquin Valley Information Center. The resources shall be photo-documented and collected by the archaeologist for submittal to the Santa Rosa Rancheria's Cultural and Historical Preservation Department. The archaeologist shall be required to submit to the County for review and approval a report of the findings and method of curation or protection of the resources. Further grading or site work within the area of discovery shall not be allowed until the preceding steps have been taken. e. **Native American Monitoring.** Prior to any ground disturbance, the project proponent shall offer the Santa Rosa Rancheria Tachi Yokut Tribe the opportunity to provide a Native American Monitor during ground disturbing activities during both construction and decommissioning. Tribal participation would be dependent upon the availability and interest of the Tribe. f. **Disposition of Cultural Resources.** Upon coordination with the Kings County Community Development Agency, any pre-historic archaeological artifacts recovered shall be donated to an appropriate Tribal custodian or a qualified scientific institution where they would be afforded applicable cultural resources laws and guidelines.					
CUL-3: Human Remains					
If human remains are uncovered, or in any other case when human remains are discovered during construction, the Kings County Coroner and the Santa Rosa Rancheria will be notified to arrange proper treatment and disposition. If the remains are identified—on the basis of archaeological context, age, cultural associations, or biological traits—as those of a Native American, California Health and Safety Code 7050.5 and Public Resource Code 5097.98 require that the Coroner notify the NAHC within 24 hours of discovery. The NAHC will then identify the Most Likely Descendent (MLD) who will determine the manner in which the remains are treated. a. Pursuant to State Health and Safety Code Section 7050.5(e) and Public Resources Code Section 5097.98, if human bone or bone of unknown origin is	During all ground disturbing activities.	Continuously during all ground disturbing activities.	County of Kings	In coordination with archaeologist, written documentation by the District of date/time of suspected human remains found, notifications to	

Mitigation Monitoring and Reporting Program					
Mitigation Measure/Condition of Approval	**When Monitoring is to Occur**	**Frequency of Monitoring**	**Agency Responsible for Monitoring**	**Method to Verify Compliance**	**Verification of Compliance**
found at any time during on- or off-site construction, all work shall stop in the vicinity of the find and the Kings County Coroner shall be notified immediately. If the remains are determined to be Native American, the Coroner shall notify the California State Native American Heritage Commission (NAHC), who shall identify the person believed to be the Most Likely Descendant (MLD. The project proponent and MLD, with the assistance of the archaeologist, shall make all reasonable efforts to develop an agreement for the treatment of human remains and associated or unassociated funerary objects with appropriate dignity (CEQA Guidelines Sec. 15064.5(d)). The agreed upon treatment shall address the appropriate excavation, removal, recordation, analysis, custodianship, curation, and final disposition of the human remains and associated or unassociated funerary objects. California Public Resources Code allows 48 hours for the MLD to make their wishes known to the landowner after being granted access to the site. If the MLD and the other parties do not agree on the reburial method, the project will follow Public Resources Code Section 5097.98(e) which states that ". . . the landowner or his or her authorized representative shall reinter the human remains and items associated with Native American burials with appropriate dignity on the property in a location not subject to further subsurface disturbance."				Coroner and Tribe and NAHC and written record if remains found are determined to be human. Follow-up documentation of compliance with requirements of CA H&S Code and PRC and notification of MLD and actions taken to treat remains.	
Geology and Soils Resources					
GEO-3: Paleontological Resources					
See **CUL-1 through CUL-3** above	During all ground disturbing activities.	Continuously during all ground disturbing activities.	County of Kings	Written documentation of compliance consistent with Methods above in coordination with qualified archaeologist and/or geo-archaeologist.	
Noise					
NOI-1: Noise Mitigation and Monitoring					
The County shall retain a qualified subconsultant experienced in the fields of environmental noise assessment and architectural acoustics to conduct an acoustic analysis. The acoustic analysis shall review, at minimum, existing noise levels, the site plan, and the schedule of construction equipment to be used. The analysis shall	Prior to submittal of construction documents for review and approval	Prior to and during construction	County of Kings	Documentation of start, stop, and resumption dates of construction,	

Mitigation Monitoring and Reporting Program					
Mitigation Measure/Condition of Approval	**When Monitoring is to Occur**	**Frequency of Monitoring**	**Agency Responsible for Monitoring**	**Method to Verify Compliance**	**Verification of Compliance**
measure the expected construction noise levels against the Noise Element standards of Residential properties, whose acceptable outdoor noise levels shall not exceed 75dB Lmax and 55dB Leq as measured at the residential property line, and 55 Lmax and 35 Leq of the interior of the residences during construction. These standards shall be reduced by 5 dB for sounds consisting primarily of speech or music, and for recurring impulsive sounds. If the existing ambient noise level exceeds the above standards, then the noise level standards shall be increased at 5 dB increments to encompass the ambient. Standard reductions/increases and any feasible means to reduce noise level exceedances to the general plan recommended level shall be implemented and monitored by the County and its contractor in accordance with the noise subconsultant recommendations.				written report from qualified consultant of results of acoustic analysis, and record of mitigation carried out.	
Tribal Cultural Resources					
TRI-3: Tribal Cultural Resources					
See **CUL-1 through CUL-3** above	During all ground disturbing activities.	Continuously during all ground disturbing activities.	County of Kings	Written documentation of compliance consistent with Methods above in coordination with qualified archaeologist and/or geo-archaeologist.	

Appendix A

CalEEmod Output Files

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Conditional Use Permit No. 19-10

Kings County, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Government Office Building	9.90	1000sqft	0.23	9,900.00	0
Parking Lot	33.00	Space	0.30	13,200.00	0
Other Asphalt Surfaces	75.00	1000sqft	1.72	75,000.00	0
Other Non-Asphalt Surfaces	16.92	1000sqft	0.39	16,920.00	0

1.2 Other Project Characteristics

Urbanization	Rural	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	37
Climate Zone	3			**Operational Year**	2022
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	513	**CH4 Intensity (lb/MWhr)**	0.025	**N2O Intensity (lb/MWhr)**	0

1.3 User Entered Comments & Non-Default Data

Conditional Use Permit No. 19-10 - Kings County, Annual

Project Characteristics - SCE Fuel Mix per https://www.edison.com/content/dam/eix/documents/sustainability/eix-esg-pilot-quantitative-section-sce.pdf

Land Use - Fire Station Building sized is 9,900 square feet.
Assumes 75,000sqft of paved access roads
Assumes 16,920sqft drainage basin

Construction Phase - No demolition to occur.

Grading - Project assumes site will be balanced.

Architectural Coating - SJVAPCD Rule 4601 (Architectural Coatings)

Vehicle Trips - Trip Generation using Fire and Rescue Station ITE 10th Edition Code 575

Area Coating - Architectural Coating reapplications will occur in 2022 and later. 2022+ Rule 4601 applies.

Energy Use -

Water And Wastewater - Water usage data per WSA. Project will be on septic.

Stationary Sources - Emergency Generators and Fire Pumps -

Land Use Change - Project will remove up to 15 acres of cropland.

Mobile Land Use Mitigation -

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	EF_Nonresidential_Exterior	150.00	100.00
tblArchitecturalCoating	EF_Nonresidential_Interior	150.00	50.00
tblArchitecturalCoating	EF_Parking	150.00	100.00
tblAreaCoating	Area_EF_Nonresidential_Exterior	150	50
tblAreaCoating	Area_EF_Nonresidential_Interior	150	50
tblAreaCoating	Area_EF_Parking	150	100
tblConstructionPhase	PhaseEndDate	12/31/2020	12/15/2021
tblConstructionPhase	PhaseEndDate	12/31/2020	11/17/2021
tblConstructionPhase	PhaseEndDate	12/31/2020	1/13/2021
tblConstructionPhase	PhaseEndDate	12/31/2020	12/1/2021
tblConstructionPhase	PhaseEndDate	12/31/2020	1/5/2021
tblConstructionPhase	PhaseStartDate	1/1/2021	12/2/2021

tblConstructionPhase	PhaseStartDate	1/1/2021	1/14/2021
tblConstructionPhase	PhaseStartDate	1/1/2021	1/6/2021
tblConstructionPhase	PhaseStartDate	1/1/2021	11/18/2021
tblProjectCharacteristics	CH4IntensityFactor	0.029	0.025
tblProjectCharacteristics	CO2IntensityFactor	702.44	513
tblProjectCharacteristics	N2OIntensityFactor	0.006	0
tblProjectCharacteristics	UrbanizationLevel	Urban	Rural
tblStationaryGeneratorsPumpsUse	HorsePowerValue	0.00	200.00
tblStationaryGeneratorsPumpsUse	HoursPerYear	0.00	100.00
tblStationaryGeneratorsPumpsUse	NumberOfEquipment	0.00	1.00
tblVehicleTrips	DV_TP	34.00	0.00
tblVehicleTrips	PB_TP	16.00	0.00
tblVehicleTrips	PR_TP	50.00	100.00
tblVehicleTrips	ST_TR	0.00	0.48
tblVehicleTrips	SU_TR	0.00	0.48
tblVehicleTrips	WD_TR	68.93	0.48
tblWater	AerobicPercent	87.46	0.00
tblWater	AnaDigestCombDigestGasPercent	100.00	0.00
tblWater	AnaerobicandFacultativeLagoonsPercent	2.21	0.00
tblWater	IndoorWaterUseRate	1,966,730.89	143,554.50
tblWater	OutdoorWaterUseRate	1,205,415.71	42,887.50
tblWater	SepticTankPercent	10.33	100.00

2.0 Emissions Summary

2.1 Overall Construction

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2021	0.3224	2.1579	1.9861	4.1100e-003	0.1012	0.0981	0.1994	0.0317	0.0938	0.1255	0.0000	352.7043	352.7043	0.0582	0.0000	354.1600
Maximum	**0.3224**	**2.1579**	**1.9861**	**4.1100e-003**	**0.1012**	**0.0981**	**0.1994**	**0.0317**	**0.0938**	**0.1255**	**0.0000**	**352.7043**	**352.7043**	**0.0582**	**0.0000**	**354.1600**

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2021	0.3224	2.1579	1.9861	4.1100e-003	0.1012	0.0981	0.1994	0.0317	0.0938	0.1255	0.0000	352.7040	352.7040	0.0582	0.0000	354.1597
Maximum	**0.3224**	**2.1579**	**1.9861**	**4.1100e-003**	**0.1012**	**0.0981**	**0.1994**	**0.0317**	**0.0938**	**0.1255**	**0.0000**	**352.7040**	**352.7040**	**0.0582**	**0.0000**	**354.1597**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
1	1-1-2021	3-31-2021	0.6674	0.6674
2	4-1-2021	6-30-2021	0.6701	0.6701
3	7-1-2021	9-30-2021	0.6775	0.6775
		Highest	0.6775	0.6775

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	0.0493	1.0000e-005	1.2400e-003	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	2.4100e-003	2.4100e-003	1.0000e-005	0.0000	2.5700e-003
Energy	7.0000e-004	6.3300e-003	5.3200e-003	4.0000e-005		4.8000e-004	4.8000e-004		4.8000e-004	4.8000e-004	0.0000	28.9788	28.9788	1.2100e-003	1.3000e-004	29.0466
Mobile	1.9200e-003	0.0263	0.0194	1.1000e-004	6.1800e-003	9.0000e-005	6.2700e-003	1.6600e-003	9.0000e-005	1.7500e-003	0.0000	10.3296	10.3296	9.5000e-004	0.0000	10.3533
Stationary	0.0880	8.4700e-003	0.2291	3.0000e-005		4.9000e-004	4.9000e-004		4.9000e-004	4.9000e-004	0.0000	5.0994	5.0994	0.0107	0.0000	5.3659
Waste						0.0000	0.0000		0.0000	0.0000	1.8696	0.0000	1.8696	0.1105	0.0000	4.6317
Water						0.0000	0.0000		0.0000	0.0000	0.0000	0.2157	0.2157	0.0326	1.1000e-004	1.0640
Total	**0.1399**	**0.0411**	**0.2551**	**1.8000e-004**	**6.1800e-003**	**1.0600e-003**	**7.2400e-003**	**1.6600e-003**	**1.0600e-003**	**2.7200e-003**	**1.8696**	**44.6258**	**46.4953**	**0.1559**	**2.4000e-004**	**50.4642**

2.2 Overall Operational

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	0.0493	1.0000e-005	1.2400e-003	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	2.4100e-003	2.4100e-003	1.0000e-005	0.0000	2.5700e-003
Energy	7.0000e-004	6.3300e-003	5.3200e-003	4.0000e-005		4.8000e-004	4.8000e-004		4.8000e-004	4.8000e-004	0.0000	28.9788	28.9788	1.2100e-003	1.3000e-004	29.0466
Mobile	1.9200e-003	0.0263	0.0194	1.1000e-004	6.1800e-003	9.0000e-005	6.2700e-003	1.6600e-003	9.0000e-005	1.7500e-003	0.0000	10.3296	10.3296	9.5000e-004	0.0000	10.3533
Stationary	0.0880	8.4700e-003	0.2291	3.0000e-005		4.9000e-004	4.9000e-004		4.9000e-004	4.9000e-004	0.0000	5.0994	5.0994	0.0107	0.0000	5.3659
Waste						0.0000	0.0000		0.0000	0.0000	1.8696	0.0000	1.8696	0.1105	0.0000	4.6317
Water						0.0000	0.0000		0.0000	0.0000	0.0000	0.2157	0.2157	0.0326	1.1000e-004	1.0640
Total	**0.1399**	**0.0411**	**0.2551**	**1.8000e-004**	**6.1800e-003**	**1.0600e-003**	**7.2400e-003**	**1.6600e-003**	**1.0600e-003**	**2.7200e-003**	**1.8696**	**44.6258**	**46.4953**	**0.1559**	**2.4000e-004**	**50.4642**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

2.3 Vegetation

Vegetation

	CO2e
Category	MT
Vegetation Land Change	-93.0000
Total	**-93.0000**

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Site Preparation	Site Preparation	1/1/2021	1/5/2021	5	3	
2	Grading	Grading	1/6/2021	1/13/2021	5	6	
3	Building Construction	Building Construction	1/14/2021	11/17/2021	5	220	
4	Paving	Paving	11/18/2021	12/1/2021	5	10	
5	Architectural Coating	Architectural Coating	12/2/2021	12/15/2021	5	10	

Acres of Grading (Site Preparation Phase): 4.5

Acres of Grading (Grading Phase): 3

Acres of Paving: 2.41

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 14,850; Non-Residential Outdoor: 4,950; Striped Parking Area: 6,307 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Architectural Coating	Air Compressors	1	6.00	78	0.48
Paving	Cement and Mortar Mixers	1	8.00	9	0.56
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Cranes	1	8.00	231	0.29
Building Construction	Forklifts	2	7.00	89	0.20
Site Preparation	Graders	1	8.00	187	0.41
Paving	Pavers	1	8.00	130	0.42
Paving	Rollers	2	8.00	80	0.38
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Building Construction	Tractors/Loaders/Backhoes	1	6.00	97	0.37
Grading	Tractors/Loaders/Backhoes	2	7.00	97	0.37
Paving	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Site Preparation	Tractors/Loaders/Backhoes	1	7.00	97	0.37
Grading	Graders	1	8.00	187	0.41
Paving	Paving Equipment	1	8.00	132	0.36
Site Preparation	Scrapers	1	8.00	367	0.48
Building Construction	Welders	3	8.00	46	0.45

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Site Preparation	3	8.00	0.00	0.00	16.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Grading	4	10.00	0.00	0.00	16.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	8	47.00	19.00	0.00	16.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	16.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	9.00	0.00	0.00	16.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

3.2 Site Preparation - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					2.3900e-003	0.0000	2.3900e-003	2.6000e-004	0.0000	2.6000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	2.3200e-003	0.0274	0.0161	4.0000e-005		1.0500e-003	1.0500e-003		9.7000e-004	9.7000e-004	0.0000	3.2290	3.2290	1.0400e-003	0.0000	3.2551
Total	**2.3200e-003**	**0.0274**	**0.0161**	**4.0000e-005**	**2.3900e-003**	**1.0500e-003**	**3.4400e-003**	**2.6000e-004**	**9.7000e-004**	**1.2300e-003**	**0.0000**	**3.2290**	**3.2290**	**1.0400e-003**	**0.0000**	**3.2551**

3.2 Site Preparation - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	7.0000e-005	5.0000e-005	5.1000e-004	0.0000	1.5000e-004	0.0000	1.5000e-004	4.0000e-005	0.0000	4.0000e-005	0.0000	0.1221	0.1221	0.0000	0.0000	0.1222
Total	**7.0000e-005**	**5.0000e-005**	**5.1000e-004**	**0.0000**	**1.5000e-004**	**0.0000**	**1.5000e-004**	**4.0000e-005**	**0.0000**	**4.0000e-005**	**0.0000**	**0.1221**	**0.1221**	**0.0000**	**0.0000**	**0.1222**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					2.3900e-003	0.0000	2.3900e-003	2.6000e-004	0.0000	2.6000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	2.3200e-003	0.0274	0.0161	4.0000e-005		1.0500e-003	1.0500e-003		9.7000e-004	9.7000e-004	0.0000	3.2290	3.2290	1.0400e-003	0.0000	3.2551
Total	**2.3200e-003**	**0.0274**	**0.0161**	**4.0000e-005**	**2.3900e-003**	**1.0500e-003**	**3.4400e-003**	**2.6000e-004**	**9.7000e-004**	**1.2300e-003**	**0.0000**	**3.2290**	**3.2290**	**1.0400e-003**	**0.0000**	**3.2551**

3.2 Site Preparation - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	7.0000e-005	5.0000e-005	5.1000e-004	0.0000	1.5000e-004	0.0000	1.5000e-004	4.0000e-005	0.0000	4.0000e-005	0.0000	0.1221	0.1221	0.0000	0.0000	0.1222
Total	**7.0000e-005**	**5.0000e-005**	**5.1000e-004**	**0.0000**	**1.5000e-004**	**0.0000**	**1.5000e-004**	**4.0000e-005**	**0.0000**	**4.0000e-005**	**0.0000**	**0.1221**	**0.1221**	**0.0000**	**0.0000**	**0.1222**

3.3 Grading - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0197	0.0000	0.0197	0.0101	0.0000	0.0101	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	5.4800e-003	0.0606	0.0293	6.0000e-005		2.7500e-003	2.7500e-003		2.5300e-003	2.5300e-003	0.0000	5.4312	5.4312	1.7600e-003	0.0000	5.4751
Total	**5.4800e-003**	**0.0606**	**0.0293**	**6.0000e-005**	**0.0197**	**2.7500e-003**	**0.0224**	**0.0101**	**2.5300e-003**	**0.0126**	**0.0000**	**5.4312**	**5.4312**	**1.7600e-003**	**0.0000**	**5.4751**

3.3 Grading - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.7000e-004	1.4000e-004	1.2800e-003	0.0000	3.7000e-004	0.0000	3.8000e-004	1.0000e-004	0.0000	1.0000e-004	0.0000	0.3051	0.3051	1.0000e-005	0.0000	0.3054
Total	**1.7000e-004**	**1.4000e-004**	**1.2800e-003**	**0.0000**	**3.7000e-004**	**0.0000**	**3.8000e-004**	**1.0000e-004**	**0.0000**	**1.0000e-004**	**0.0000**	**0.3051**	**0.3051**	**1.0000e-005**	**0.0000**	**0.3054**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0197	0.0000	0.0197	0.0101	0.0000	0.0101	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	5.4800e-003	0.0606	0.0293	6.0000e-005		2.7500e-003	2.7500e-003		2.5300e-003	2.5300e-003	0.0000	5.4312	5.4312	1.7600e-003	0.0000	5.4751
Total	**5.4800e-003**	**0.0606**	**0.0293**	**6.0000e-005**	**0.0197**	**2.7500e-003**	**0.0224**	**0.0101**	**2.5300e-003**	**0.0126**	**0.0000**	**5.4312**	**5.4312**	**1.7600e-003**	**0.0000**	**5.4751**

3.3 Grading - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.7000e-004	1.4000e-004	1.2800e-003	0.0000	3.7000e-004	0.0000	3.8000e-004	1.0000e-004	0.0000	1.0000e-004	0.0000	0.3051	0.3051	1.0000e-005	0.0000	0.3054
Total	**1.7000e-004**	**1.4000e-004**	**1.2800e-003**	**0.0000**	**3.7000e-004**	**0.0000**	**3.8000e-004**	**1.0000e-004**	**0.0000**	**1.0000e-004**	**0.0000**	**0.3051**	**0.3051**	**1.0000e-005**	**0.0000**	**0.3054**

3.4 Building Construction - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.2250	1.7630	1.6019	2.7500e-003		0.0899	0.0899		0.0861	0.0861	0.0000	228.4136	228.4136	0.0449	0.0000	229.5371
Total	**0.2250**	**1.7630**	**1.6019**	**2.7500e-003**		**0.0899**	**0.0899**		**0.0861**	**0.0861**	**0.0000**	**228.4136**	**228.4136**	**0.0449**	**0.0000**	**229.5371**

3.4 Building Construction - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	6.8600e-003	0.2216	0.0434	5.5000e-004	0.0126	6.4000e-004	0.0132	3.6400e-003	6.1000e-004	4.2500e-003	0.0000	52.3712	52.3712	6.1600e-003	0.0000	52.5252
Worker	0.0295	0.0236	0.2205	5.8000e-004	0.0646	4.1000e-004	0.0650	0.0172	3.7000e-004	0.0175	0.0000	52.5827	52.5827	1.7300e-003	0.0000	52.6259
Total	**0.0363**	**0.2452**	**0.2639**	**1.1300e-003**	**0.0772**	**1.0500e-003**	**0.0782**	**0.0208**	**9.8000e-004**	**0.0218**	**0.0000**	**104.9539**	**104.9539**	**7.8900e-003**	**0.0000**	**105.1511**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.2250	1.7630	1.6019	2.7500e-003		0.0899	0.0899		0.0861	0.0861	0.0000	228.4133	228.4133	0.0449	0.0000	229.5368
Total	**0.2250**	**1.7630**	**1.6019**	**2.7500e-003**		**0.0899**	**0.0899**		**0.0861**	**0.0861**	**0.0000**	**228.4133**	**228.4133**	**0.0449**	**0.0000**	**229.5368**

3.4 Building Construction - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	6.8600e-003	0.2216	0.0434	5.5000e-004	0.0126	6.4000e-004	0.0132	3.6400e-003	6.1000e-004	4.2500e-003	0.0000	52.3712	52.3712	6.1600e-003	0.0000	52.5252
Worker	0.0295	0.0236	0.2205	5.8000e-004	0.0646	4.1000e-004	0.0650	0.0172	3.7000e-004	0.0175	0.0000	52.5827	52.5827	1.7300e-003	0.0000	52.6259
Total	**0.0363**	**0.2452**	**0.2639**	**1.1300e-003**	**0.0772**	**1.0500e-003**	**0.0782**	**0.0208**	**9.8000e-004**	**0.0218**	**0.0000**	**104.9539**	**104.9539**	**7.8900e-003**	**0.0000**	**105.1511**

3.5 Paving - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	5.3200e-003	0.0532	0.0589	9.0000e-005		2.9100e-003	2.9100e-003		2.6900e-003	2.6900e-003	0.0000	7.7524	7.7524	2.4600e-003	0.0000	7.8138
Paving	2.6500e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**7.9700e-003**	**0.0532**	**0.0589**	**9.0000e-005**		**2.9100e-003**	**2.9100e-003**		**2.6900e-003**	**2.6900e-003**	**0.0000**	**7.7524**	**7.7524**	**2.4600e-003**	**0.0000**	**7.8138**

3.5 Paving - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	4.3000e-004	3.4000e-004	3.2000e-003	1.0000e-005	9.4000e-004	1.0000e-005	9.4000e-004	2.5000e-004	1.0000e-005	2.5000e-004	0.0000	0.7628	0.7628	3.0000e-005	0.0000	0.7634
Total	**4.3000e-004**	**3.4000e-004**	**3.2000e-003**	**1.0000e-005**	**9.4000e-004**	**1.0000e-005**	**9.4000e-004**	**2.5000e-004**	**1.0000e-005**	**2.5000e-004**	**0.0000**	**0.7628**	**0.7628**	**3.0000e-005**	**0.0000**	**0.7634**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	5.3200e-003	0.0532	0.0589	9.0000e-005		2.9100e-003	2.9100e-003		2.6900e-003	2.6900e-003	0.0000	7.7524	7.7524	2.4600e-003	0.0000	7.8138
Paving	2.6500e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**7.9700e-003**	**0.0532**	**0.0589**	**9.0000e-005**		**2.9100e-003**	**2.9100e-003**		**2.6900e-003**	**2.6900e-003**	**0.0000**	**7.7524**	**7.7524**	**2.4600e-003**	**0.0000**	**7.8138**

3.5 Paving - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	4.3000e-004	3.4000e-004	3.2000e-003	1.0000e-005	9.4000e-004	1.0000e-005	9.4000e-004	2.5000e-004	1.0000e-005	2.5000e-004	0.0000	0.7628	0.7628	3.0000e-005	0.0000	0.7634
Total	**4.3000e-004**	**3.4000e-004**	**3.2000e-003**	**1.0000e-005**	**9.4000e-004**	**1.0000e-005**	**9.4000e-004**	**2.5000e-004**	**1.0000e-005**	**2.5000e-004**	**0.0000**	**0.7628**	**0.7628**	**3.0000e-005**	**0.0000**	**0.7634**

3.6 Architectural Coating - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.0433					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	1.0900e-003	7.6300e-003	9.0900e-003	1.0000e-005		4.7000e-004	4.7000e-004		4.7000e-004	4.7000e-004	0.0000	1.2766	1.2766	9.0000e-005	0.0000	1.2788
Total	**0.0444**	**7.6300e-003**	**9.0900e-003**	**1.0000e-005**		**4.7000e-004**	**4.7000e-004**		**4.7000e-004**	**4.7000e-004**	**0.0000**	**1.2766**	**1.2766**	**9.0000e-005**	**0.0000**	**1.2788**

3.6 Architectural Coating - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.6000e-004	2.1000e-004	1.9200e-003	1.0000e-005	5.6000e-004	0.0000	5.7000e-004	1.5000e-004	0.0000	1.5000e-004	0.0000	0.4577	0.4577	2.0000e-005	0.0000	0.4581
Total	**2.6000e-004**	**2.1000e-004**	**1.9200e-003**	**1.0000e-005**	**5.6000e-004**	**0.0000**	**5.7000e-004**	**1.5000e-004**	**0.0000**	**1.5000e-004**	**0.0000**	**0.4577**	**0.4577**	**2.0000e-005**	**0.0000**	**0.4581**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.0433					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	1.0900e-003	7.6300e-003	9.0900e-003	1.0000e-005		4.7000e-004	4.7000e-004		4.7000e-004	4.7000e-004	0.0000	1.2766	1.2766	9.0000e-005	0.0000	1.2788
Total	**0.0444**	**7.6300e-003**	**9.0900e-003**	**1.0000e-005**		**4.7000e-004**	**4.7000e-004**		**4.7000e-004**	**4.7000e-004**	**0.0000**	**1.2766**	**1.2766**	**9.0000e-005**	**0.0000**	**1.2788**

3.6 Architectural Coating - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.6000e-004	2.1000e-004	1.9200e-003	1.0000e-005	5.6000e-004	0.0000	5.7000e-004	1.5000e-004	0.0000	1.5000e-004	0.0000	0.4577	0.4577	2.0000e-005	0.0000	0.4581
Total	**2.6000e-004**	**2.1000e-004**	**1.9200e-003**	**1.0000e-005**	**5.6000e-004**	**0.0000**	**5.7000e-004**	**1.5000e-004**	**0.0000**	**1.5000e-004**	**0.0000**	**0.4577**	**0.4577**	**2.0000e-005**	**0.0000**	**0.4581**

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	1.9200e-003	0.0263	0.0194	1.1000e-004	6.1800e-003	9.0000e-005	6.2700e-003	1.6600e-003	9.0000e-005	1.7500e-003	0.0000	10.3296	10.3296	9.5000e-004	0.0000	10.3533
Unmitigated	1.9200e-003	0.0263	0.0194	1.1000e-004	6.1800e-003	9.0000e-005	6.2700e-003	1.6600e-003	9.0000e-005	1.7500e-003	0.0000	10.3296	10.3296	9.5000e-004	0.0000	10.3533

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Government Office Building	4.75	4.75	4.75	16,040	16,040
Other Asphalt Surfaces	0.00	0.00	0.00		
Other Non-Asphalt Surfaces	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
Total	4.75	4.75	4.75	16,040	16,040

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Government Office Building	14.70	6.60	6.60	33.00	62.00	5.00	100	0	0
Other Asphalt Surfaces	14.70	6.60	6.60	0.00	0.00	0.00	0	0	0
Other Non-Asphalt Surfaces	14.70	6.60	6.60	0.00	0.00	0.00	0	0	0
Parking Lot	14.70	6.60	6.60	0.00	0.00	0.00	0	0	0

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Government Office Building	0.498687	0.027849	0.148828	0.115015	0.018545	0.004394	0.011831	0.164059	0.001725	0.001770	0.005665	0.000943	0.000690
Other Asphalt Surfaces	0.498687	0.027849	0.148828	0.115015	0.018545	0.004394	0.011831	0.164059	0.001725	0.001770	0.005665	0.000943	0.000690
Other Non-Asphalt Surfaces	0.498687	0.027849	0.148828	0.115015	0.018545	0.004394	0.011831	0.164059	0.001725	0.001770	0.005665	0.000943	0.000690
Parking Lot	0.498687	0.027849	0.148828	0.115015	0.018545	0.004394	0.011831	0.164059	0.001725	0.001770	0.005665	0.000943	0.000690

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Electricity Mitigated						0.0000	0.0000		0.0000	0.0000	0.0000	22.0844	22.0844	1.0800e-003	0.0000	22.1113
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	22.0844	22.0844	1.0800e-003	0.0000	22.1113
NaturalGas Mitigated	7.0000e-004	6.3300e-003	5.3200e-003	4.0000e-005		4.8000e-004	4.8000e-004		4.8000e-004	4.8000e-004	0.0000	6.8943	6.8943	1.3000e-004	1.3000e-004	6.9353
NaturalGas Unmitigated	7.0000e-004	6.3300e-003	5.3200e-003	4.0000e-005		4.8000e-004	4.8000e-004		4.8000e-004	4.8000e-004	0.0000	6.8943	6.8943	1.3000e-004	1.3000e-004	6.9353

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Government Office Building	129195	7.0000e-004	6.3300e-003	5.3200e-003	4.0000e-005		4.8000e-004	4.8000e-004		4.8000e-004	4.8000e-004	0.0000	6.8943	6.8943	1.3000e-004	1.3000e-004	6.9353
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total		**7.0000e-004**	**6.3300e-003**	**5.3200e-003**	**4.0000e-005**		**4.8000e-004**	**4.8000e-004**		**4.8000e-004**	**4.8000e-004**	**0.0000**	**6.8943**	**6.8943**	**1.3000e-004**	**1.3000e-004**	**6.9353**

5.2 Energy by Land Use - NaturalGas

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Government Office Building	129195	7.0000e-004	6.3300e-003	5.3200e-003	4.0000e-005		4.8000e-004	4.8000e-004		4.8000e-004	4.8000e-004	0.0000	6.8943	6.8943	1.3000e-004	1.3000e-004	6.9353
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total		**7.0000e-004**	**6.3300e-003**	**5.3200e-003**	**4.0000e-005**		**4.8000e-004**	**4.8000e-004**		**4.8000e-004**	**4.8000e-004**	**0.0000**	**6.8943**	**6.8943**	**1.3000e-004**	**1.3000e-004**	**6.9353**

5.3 Energy by Land Use - Electricity

Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Government Office Building	90288	21.0094	1.0200e-003	0.0000	21.0350
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Parking Lot	4620	1.0750	5.0000e-005	0.0000	1.0764
Total		**22.0844**	**1.0700e-003**	**0.0000**	**22.1113**

5.3 Energy by Land Use - Electricity

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Government Office Building	90288	21.0094	1.0200e-003	0.0000	21.0350
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Parking Lot	4620	1.0750	5.0000e-005	0.0000	1.0764
Total		**22.0844**	**1.0700e-003**	**0.0000**	**22.1113**

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	0.0493	1.0000e-005	1.2400e-003	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	2.4100e-003	2.4100e-003	1.0000e-005	0.0000	2.5700e-003
Unmitigated	0.0493	1.0000e-005	1.2400e-003	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	2.4100e-003	2.4100e-003	1.0000e-005	0.0000	2.5700e-003

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	3.7600e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.0455					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	1.2000e-004	1.0000e-005	1.2400e-003	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	2.4100e-003	2.4100e-003	1.0000e-005	0.0000	2.5700e-003
Total	**0.0493**	**1.0000e-005**	**1.2400e-003**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**	**2.4100e-003**	**2.4100e-003**	**1.0000e-005**	**0.0000**	**2.5700e-003**

6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	3.7600e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.0455					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	1.2000e-004	1.0000e-005	1.2400e-003	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	2.4100e-003	2.4100e-003	1.0000e-005	0.0000	2.5700e-003
Total	**0.0493**	**1.0000e-005**	**1.2400e-003**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**	**2.4100e-003**	**2.4100e-003**	**1.0000e-005**	**0.0000**	**2.5700e-003**

7.0 Water Detail

7.1 Mitigation Measures Water

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	0.2157	0.0326	1.1000e-004	1.0640
Unmitigated	0.2157	0.0326	1.1000e-004	1.0640

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Government Office Building	0.143555 / 0.0428875	0.2157	0.0326	1.1000e-004	1.0640
Other Asphalt Surfaces	0 / 0	0.0000	0.0000	0.0000	0.0000
Other Non-Asphalt Surfaces	0 / 0	0.0000	0.0000	0.0000	0.0000
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
Total		**0.2157**	**0.0326**	**1.1000e-004**	**1.0640**

7.2 Water by Land Use

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Government Office Building	0.143555 / 0.0428875	0.2157	0.0326	1.1000e-004	1.0640
Other Asphalt Surfaces	0 / 0	0.0000	0.0000	0.0000	0.0000
Other Non-Asphalt Surfaces	0 / 0	0.0000	0.0000	0.0000	0.0000
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
Total		**0.2157**	**0.0326**	**1.1000e-004**	**1.0640**

8.0 Waste Detail

8.1 Mitigation Measures Waste

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	1.8696	0.1105	0.0000	4.6317
Unmitigated	1.8696	0.1105	0.0000	4.6317

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Government Office Building	9.21	1.8696	0.1105	0.0000	4.6317
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Total		**1.8696**	**0.1105**	**0.0000**	**4.6317**

8.2 Waste by Land Use

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Government Office Building	9.21	1.8696	0.1105	0.0000	4.6317
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Total		**1.8696**	**0.1105**	**0.0000**	**4.6317**

9.0 Operational Offroad

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

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type
Emergency Generator	1	0	100	200	0.73	CNG

Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type

User Defined Equipment

Equipment Type	Number

10.1 Stationary Sources

Unmitigated/Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Equipment Type	tons/yr										MT/yr					
Emergency Generator - CNG (0 - 500 HP)	0.0880	8.4700e-003	0.2291	3.0000e-005		4.9000e-004	4.9000e-004		4.9000e-004	4.9000e-004	0.0000	5.0994	5.0994	0.0107	0.0000	5.3659
Total	**0.0880**	**8.4700e-003**	**0.2291**	**3.0000e-005**		**4.9000e-004**	**4.9000e-004**		**4.9000e-004**	**4.9000e-004**	**0.0000**	**5.0994**	**5.0994**	**0.0107**	**0.0000**	**5.3659**

11.0 Vegetation

	Total CO2	CH4	N2O	CO2e
Category	MT			
Unmitigated	-93.0000	0.0000	0.0000	-93.0000

11.1 Vegetation Land Change

Vegetation Type

	Initial/Final	Total CO2	CH4	N2O	CO2e
	Acres	MT			
Cropland	15 / 0	-93.0000	0.0000	0.0000	-93.0000
Total		**-93.0000**	**0.0000**	**0.0000**	**-93.0000**

Conditional Use Permit No. 19-10

Kings County, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Government Office Building	9.90	1000sqft	0.23	9,900.00	0
Parking Lot	33.00	Space	0.30	13,200.00	0
Other Asphalt Surfaces	75.00	1000sqft	1.72	75,000.00	0
Other Non-Asphalt Surfaces	16.92	1000sqft	0.39	16,920.00	0

1.2 Other Project Characteristics

Urbanization	Rural	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	37
Climate Zone	3			**Operational Year**	2022
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	513	**CH4 Intensity (lb/MWhr)**	0.025	**N2O Intensity (lb/MWhr)**	0

1.3 User Entered Comments & Non-Default Data

Project Characteristics - SCE Fuel Mix per https://www.edison.com/content/dam/eix/documents/sustainability/eix-esg-pilot-quantitative-section-sce.pdf

Land Use - Fire Station Building sized is 9,900 square feet.
Assumes 75,000sqft of paved access roads
Assumes 16,920sqft drainage basin

Construction Phase - No demolition to occur.

Grading - Project assumes site will be balanced.

Architectural Coating - SJVAPCD Rule 4601 (Architectural Coatings)

Vehicle Trips - Trip Generation using Fire and Rescue Station ITE 10th Edition Code 575

Area Coating - Architectural Coating reapplications will occur in 2022 and later. 2022+ Rule 4601 applies.

Energy Use -

Water And Wastewater - Water usage data per WSA. Project will be on septic.

Stationary Sources - Emergency Generators and Fire Pumps -

Land Use Change - Project will remove up to 15 acres of cropland.

Mobile Land Use Mitigation -

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	EF_Nonresidential_Exterior	150.00	100.00
tblArchitecturalCoating	EF_Nonresidential_Interior	150.00	50.00
tblArchitecturalCoating	EF_Parking	150.00	100.00
tblAreaCoating	Area_EF_Nonresidential_Exterior	150	50
tblAreaCoating	Area_EF_Nonresidential_Interior	150	50
tblAreaCoating	Area_EF_Parking	150	100
tblConstructionPhase	PhaseEndDate	12/31/2020	12/15/2021
tblConstructionPhase	PhaseEndDate	12/31/2020	11/17/2021
tblConstructionPhase	PhaseEndDate	12/31/2020	1/13/2021
tblConstructionPhase	PhaseEndDate	12/31/2020	12/1/2021
tblConstructionPhase	PhaseEndDate	12/31/2020	1/5/2021
tblConstructionPhase	PhaseStartDate	1/1/2021	12/2/2021

tblConstructionPhase	PhaseStartDate	1/1/2021	1/14/2021
tblConstructionPhase	PhaseStartDate	1/1/2021	1/6/2021
tblConstructionPhase	PhaseStartDate	1/1/2021	11/18/2021
tblProjectCharacteristics	CH4IntensityFactor	0.029	0.025
tblProjectCharacteristics	CO2IntensityFactor	702.44	513
tblProjectCharacteristics	N2OIntensityFactor	0.006	0
tblProjectCharacteristics	UrbanizationLevel	Urban	Rural
tblStationaryGeneratorsPumpsUse	HorsePowerValue	0.00	200.00
tblStationaryGeneratorsPumpsUse	HoursPerYear	0.00	100.00
tblStationaryGeneratorsPumpsUse	NumberOfEquipment	0.00	1.00
tblVehicleTrips	DV_TP	34.00	0.00
tblVehicleTrips	PB_TP	16.00	0.00
tblVehicleTrips	PR_TP	50.00	100.00
tblVehicleTrips	ST_TR	0.00	0.48
tblVehicleTrips	SU_TR	0.00	0.48
tblVehicleTrips	WD_TR	68.93	0.48
tblWater	AerobicPercent	87.46	0.00
tblWater	AnaDigestCombDigestGasPercent	100.00	0.00
tblWater	AnaerobicandFacultativeLagoonsPercent	2.21	0.00
tblWater	IndoorWaterUseRate	1,966,730.89	143,554.50
tblWater	OutdoorWaterUseRate	1,205,415.71	42,887.50
tblWater	SepticTankPercent	10.33	100.00

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2021	8.9341	20.2560	17.2996	0.0359	6.6801	0.9165	7.5966	3.4014	0.8432	4.2446	0.0000	3,399.6815	3,399.6815	0.7708	0.0000	3,412.8883
Maximum	**8.9341**	**20.2560**	**17.2996**	**0.0359**	**6.6801**	**0.9165**	**7.5966**	**3.4014**	**0.8432**	**4.2446**	**0.0000**	**3,399.6815**	**3,399.6815**	**0.7708**	**0.0000**	**3,412.8883**

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2021	8.9341	20.2560	17.2996	0.0359	6.6801	0.9165	7.5966	3.4014	0.8432	4.2446	0.0000	3,399.6815	3,399.6815	0.7708	0.0000	3,412.8883
Maximum	**8.9341**	**20.2560**	**17.2996**	**0.0359**	**6.6801**	**0.9165**	**7.5966**	**3.4014**	**0.8432**	**4.2446**	**0.0000**	**3,399.6815**	**3,399.6815**	**0.7708**	**0.0000**	**3,412.8883**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	0.2710	1.3000e-004	0.0138	0.0000		5.0000e-005	5.0000e-005		5.0000e-005	5.0000e-005		0.0295	0.0295	8.0000e-005		0.0315
Energy	3.8200e-003	0.0347	0.0292	2.1000e-004		2.6400e-003	2.6400e-003		2.6400e-003	2.6400e-003		41.6422	41.6422	8.0000e-004	7.6000e-004	41.8897
Mobile	0.0121	0.1425	0.1171	6.4000e-004	0.0347	5.1000e-004	0.0352	9.3100e-003	4.8000e-004	9.7900e-003		65.5419	65.5419	5.5600e-003		65.6810
Stationary	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	**0.2868**	**0.1773**	**0.1600**	**8.5000e-004**	**0.0347**	**3.2000e-003**	**0.0379**	**9.3100e-003**	**3.1700e-003**	**0.0125**		**107.2136**	**107.2136**	**6.4400e-003**	**7.6000e-004**	**107.6021**

2.2 Overall Operational

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	0.2710	1.3000e-004	0.0138	0.0000		5.0000e-005	5.0000e-005		5.0000e-005	5.0000e-005		0.0295	0.0295	8.0000e-005		0.0315
Energy	3.8200e-003	0.0347	0.0292	2.1000e-004		2.6400e-003	2.6400e-003		2.6400e-003	2.6400e-003		41.6422	41.6422	8.0000e-004	7.6000e-004	41.8897
Mobile	0.0121	0.1425	0.1171	6.4000e-004	0.0347	5.1000e-004	0.0352	9.3100e-003	4.8000e-004	9.7900e-003		65.5419	65.5419	5.5600e-003		65.6810
Stationary	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	**0.2868**	**0.1773**	**0.1600**	**8.5000e-004**	**0.0347**	**3.2000e-003**	**0.0379**	**9.3100e-003**	**3.1700e-003**	**0.0125**		**107.2136**	**107.2136**	**6.4400e-003**	**7.6000e-004**	**107.6021**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Site Preparation	Site Preparation	1/1/2021	1/5/2021	5	3	
2	Grading	Grading	1/6/2021	1/13/2021	5	6	
3	Building Construction	Building Construction	1/14/2021	11/17/2021	5	220	
4	Paving	Paving	11/18/2021	12/1/2021	5	10	
5	Architectural Coating	Architectural Coating	12/2/2021	12/15/2021	5	10	

Acres of Grading (Site Preparation Phase): 4.5

Acres of Grading (Grading Phase): 3

Acres of Paving: 2.41

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 14,850; Non-Residential Outdoor: 4,950; Striped Parking Area: 6,307 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Architectural Coating	Air Compressors	1	6.00	78	0.48
Paving	Cement and Mortar Mixers	1	8.00	9	0.56
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Cranes	1	8.00	231	0.29
Building Construction	Forklifts	2	7.00	89	0.20
Site Preparation	Graders	1	8.00	187	0.41
Paving	Pavers	1	8.00	130	0.42
Paving	Rollers	2	8.00	80	0.38
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Building Construction	Tractors/Loaders/Backhoes	1	6.00	97	0.37
Grading	Tractors/Loaders/Backhoes	2	7.00	97	0.37
Paving	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Site Preparation	Tractors/Loaders/Backhoes	1	7.00	97	0.37
Grading	Graders	1	8.00	187	0.41
Paving	Paving Equipment	1	8.00	132	0.36
Site Preparation	Scrapers	1	8.00	367	0.48
Building Construction	Welders	3	8.00	46	0.45

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Site Preparation	3	8.00	0.00	0.00	16.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Grading	4	10.00	0.00	0.00	16.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	8	47.00	19.00	0.00	16.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	16.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	9.00	0.00	0.00	16.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

3.2 Site Preparation - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					1.5908	0.0000	1.5908	0.1718	0.0000	0.1718			0.0000			0.0000
Off-Road	1.5463	18.2862	10.7496	0.0245		0.7019	0.7019		0.6457	0.6457		2,372.8832	2,372.8832	0.7674		2,392.0692
Total	**1.5463**	**18.2862**	**10.7496**	**0.0245**	**1.5908**	**0.7019**	**2.2926**	**0.1718**	**0.6457**	**0.8175**		**2,372.8832**	**2,372.8832**	**0.7674**		**2,392.0692**

3.2 Site Preparation - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0498	0.0340	0.4039	9.9000e-004	0.1022	6.3000e-004	0.1028	0.0271	5.8000e-004	0.0277		98.3976	98.3976	3.3300e-003		98.4808
Total	**0.0498**	**0.0340**	**0.4039**	**9.9000e-004**	**0.1022**	**6.3000e-004**	**0.1028**	**0.0271**	**5.8000e-004**	**0.0277**		**98.3976**	**98.3976**	**3.3300e-003**		**98.4808**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					1.5908	0.0000	1.5908	0.1718	0.0000	0.1718			0.0000			0.0000
Off-Road	1.5463	18.2862	10.7496	0.0245		0.7019	0.7019		0.6457	0.6457	0.0000	2,372.8832	2,372.8832	0.7674		2,392.0692
Total	**1.5463**	**18.2862**	**10.7496**	**0.0245**	**1.5908**	**0.7019**	**2.2926**	**0.1718**	**0.6457**	**0.8175**	**0.0000**	**2,372.8832**	**2,372.8832**	**0.7674**		**2,392.0692**

3.2 Site Preparation - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0498	0.0340	0.4039	9.9000e-004	0.1022	6.3000e-004	0.1028	0.0271	5.8000e-004	0.0277		98.3976	98.3976	3.3300e-003		98.4808
Total	**0.0498**	**0.0340**	**0.4039**	**9.9000e-004**	**0.1022**	**6.3000e-004**	**0.1028**	**0.0271**	**5.8000e-004**	**0.0277**		**98.3976**	**98.3976**	**3.3300e-003**		**98.4808**

3.3 Grading - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					6.5523	0.0000	6.5523	3.3675	0.0000	3.3675			0.0000			0.0000
Off-Road	1.8271	20.2135	9.7604	0.0206		0.9158	0.9158		0.8425	0.8425		1,995.6114	1,995.6114	0.6454		2,011.7470
Total	**1.8271**	**20.2135**	**9.7604**	**0.0206**	**6.5523**	**0.9158**	**7.4681**	**3.3675**	**0.8425**	**4.2100**		**1,995.6114**	**1,995.6114**	**0.6454**		**2,011.7470**

3.3 Grading - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0623	0.0425	0.5049	1.2400e-003	0.1277	7.9000e-004	0.1285	0.0339	7.2000e-004	0.0346		122.9970	122.9970	4.1600e-003		123.1010
Total	**0.0623**	**0.0425**	**0.5049**	**1.2400e-003**	**0.1277**	**7.9000e-004**	**0.1285**	**0.0339**	**7.2000e-004**	**0.0346**		**122.9970**	**122.9970**	**4.1600e-003**		**123.1010**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					6.5523	0.0000	6.5523	3.3675	0.0000	3.3675			0.0000			0.0000
Off-Road	1.8271	20.2135	9.7604	0.0206		0.9158	0.9158		0.8425	0.8425	0.0000	1,995.6114	1,995.6114	0.6454		2,011.7470
Total	**1.8271**	**20.2135**	**9.7604**	**0.0206**	**6.5523**	**0.9158**	**7.4681**	**3.3675**	**0.8425**	**4.2100**	**0.0000**	**1,995.6114**	**1,995.6114**	**0.6454**		**2,011.7470**

3.3 Grading - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0623	0.0425	0.5049	1.2400e-003	0.1277	7.9000e-004	0.1285	0.0339	7.2000e-004	0.0346		122.9970	122.9970	4.1600e-003		123.1010
Total	**0.0623**	**0.0425**	**0.5049**	**1.2400e-003**	**0.1277**	**7.9000e-004**	**0.1285**	**0.0339**	**7.2000e-004**	**0.0346**		**122.9970**	**122.9970**	**4.1600e-003**		**123.1010**

3.4 Building Construction - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.0451	16.0275	14.5629	0.0250		0.8173	0.8173		0.7831	0.7831		2,288.9355	2,288.9355	0.4503		2,300.1935
Total	**2.0451**	**16.0275**	**14.5629**	**0.0250**		**0.8173**	**0.8173**		**0.7831**	**0.7831**		**2,288.9355**	**2,288.9355**	**0.4503**		**2,300.1935**

3.4 Building Construction - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0612	1.9929	0.3638	5.0900e-003	0.1165	5.7400e-003	0.1223	0.0336	5.4900e-003	0.0391		532.6603	532.6603	0.0584		534.1202
Worker	0.2927	0.1996	2.3729	5.8100e-003	0.6003	3.7000e-003	0.6040	0.1592	3.4100e-003	0.1626		578.0857	578.0857	0.0196		578.5745
Total	**0.3538**	**2.1925**	**2.7367**	**0.0109**	**0.7169**	**9.4400e-003**	**0.7263**	**0.1928**	**8.9000e-003**	**0.2017**		**1,110.7460**	**1,110.7460**	**0.0780**		**1,112.6947**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.0451	16.0275	14.5629	0.0250		0.8173	0.8173		0.7831	0.7831	0.0000	2,288.9355	2,288.9355	0.4503		2,300.1935
Total	**2.0451**	**16.0275**	**14.5629**	**0.0250**		**0.8173**	**0.8173**		**0.7831**	**0.7831**	**0.0000**	**2,288.9355**	**2,288.9355**	**0.4503**		**2,300.1935**

3.4 Building Construction - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0612	1.9929	0.3638	5.0900e-003	0.1165	5.7400e-003	0.1223	0.0336	5.4900e-003	0.0391		532.6603	532.6603	0.0584		534.1202
Worker	0.2927	0.1996	2.3729	5.8100e-003	0.6003	3.7000e-003	0.6040	0.1592	3.4100e-003	0.1626		578.0857	578.0857	0.0196		578.5745
Total	**0.3538**	**2.1925**	**2.7367**	**0.0109**	**0.7169**	**9.4400e-003**	**0.7263**	**0.1928**	**8.9000e-003**	**0.2017**		**1,110.7460**	**1,110.7460**	**0.0780**		**1,112.6947**

3.5 Paving - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.0633	10.6478	11.7756	0.0178		0.5826	0.5826		0.5371	0.5371		1,709.1107	1,709.1107	0.5417		1,722.6524
Paving	0.5292					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**1.5925**	**10.6478**	**11.7756**	**0.0178**		**0.5826**	**0.5826**		**0.5371**	**0.5371**		**1,709.1107**	**1,709.1107**	**0.5417**		**1,722.6524**

3.5 Paving - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0934	0.0637	0.7573	1.8500e-003	0.1916	1.1800e-003	0.1928	0.0508	1.0900e-003	0.0519		184.4954	184.4954	6.2400e-003		184.6514
Total	**0.0934**	**0.0637**	**0.7573**	**1.8500e-003**	**0.1916**	**1.1800e-003**	**0.1928**	**0.0508**	**1.0900e-003**	**0.0519**		**184.4954**	**184.4954**	**6.2400e-003**		**184.6514**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.0633	10.6478	11.7756	0.0178		0.5826	0.5826		0.5371	0.5371	0.0000	1,709.1107	1,709.1107	0.5417		1,722.6524
Paving	0.5292					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**1.5925**	**10.6478**	**11.7756**	**0.0178**		**0.5826**	**0.5826**		**0.5371**	**0.5371**	**0.0000**	**1,709.1107**	**1,709.1107**	**0.5417**		**1,722.6524**

3.5 Paving - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0934	0.0637	0.7573	1.8500e-003	0.1916	1.1800e-003	0.1928	0.0508	1.0900e-003	0.0519		184.4954	184.4954	6.2400e-003		184.6514
Total	**0.0934**	**0.0637**	**0.7573**	**1.8500e-003**	**0.1916**	**1.1800e-003**	**0.1928**	**0.0508**	**1.0900e-003**	**0.0519**		**184.4954**	**184.4954**	**6.2400e-003**		**184.6514**

3.6 Architectural Coating - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	8.6591					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2189	1.5268	1.8176	2.9700e-003		0.0941	0.0941		0.0941	0.0941		281.4481	281.4481	0.0193		281.9309
Total	**8.8780**	**1.5268**	**1.8176**	**2.9700e-003**		**0.0941**	**0.0941**		**0.0941**	**0.0941**		**281.4481**	**281.4481**	**0.0193**		**281.9309**

3.6 Architectural Coating - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0560	0.0382	0.4544	1.1100e-003	0.1150	7.1000e-004	0.1157	0.0305	6.5000e-004	0.0311		110.6973	110.6973	3.7400e-003		110.7909
Total	**0.0560**	**0.0382**	**0.4544**	**1.1100e-003**	**0.1150**	**7.1000e-004**	**0.1157**	**0.0305**	**6.5000e-004**	**0.0311**		**110.6973**	**110.6973**	**3.7400e-003**		**110.7909**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	8.6591					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2189	1.5268	1.8176	2.9700e-003		0.0941	0.0941		0.0941	0.0941	0.0000	281.4481	281.4481	0.0193		281.9309
Total	**8.8780**	**1.5268**	**1.8176**	**2.9700e-003**		**0.0941**	**0.0941**		**0.0941**	**0.0941**	**0.0000**	**281.4481**	**281.4481**	**0.0193**		**281.9309**

3.6 Architectural Coating - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0560	0.0382	0.4544	1.1100e-003	0.1150	7.1000e-004	0.1157	0.0305	6.5000e-004	0.0311		110.6973	110.6973	3.7400e-003		110.7909
Total	**0.0560**	**0.0382**	**0.4544**	**1.1100e-003**	**0.1150**	**7.1000e-004**	**0.1157**	**0.0305**	**6.5000e-004**	**0.0311**		**110.6973**	**110.6973**	**3.7400e-003**		**110.7909**

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	0.0121	0.1425	0.1171	6.4000e-004	0.0347	5.1000e-004	0.0352	9.3100e-003	4.8000e-004	9.7900e-003		65.5419	65.5419	5.5600e-003		65.6810
Unmitigated	0.0121	0.1425	0.1171	6.4000e-004	0.0347	5.1000e-004	0.0352	9.3100e-003	4.8000e-004	9.7900e-003		65.5419	65.5419	5.5600e-003		65.6810

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Government Office Building	4.75	4.75	4.75	16,040	16,040
Other Asphalt Surfaces	0.00	0.00	0.00		
Other Non-Asphalt Surfaces	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
Total	4.75	4.75	4.75	16,040	16,040

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Government Office Building	14.70	6.60	6.60	33.00	62.00	5.00	100	0	0
Other Asphalt Surfaces	14.70	6.60	6.60	0.00	0.00	0.00	0	0	0
Other Non-Asphalt Surfaces	14.70	6.60	6.60	0.00	0.00	0.00	0	0	0
Parking Lot	14.70	6.60	6.60	0.00	0.00	0.00	0	0	0

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Government Office Building	0.498687	0.027849	0.148828	0.115015	0.018545	0.004394	0.011831	0.164059	0.001725	0.001770	0.005665	0.000943	0.000690
Other Asphalt Surfaces	0.498687	0.027849	0.148828	0.115015	0.018545	0.004394	0.011831	0.164059	0.001725	0.001770	0.005665	0.000943	0.000690
Other Non-Asphalt Surfaces	0.498687	0.027849	0.148828	0.115015	0.018545	0.004394	0.011831	0.164059	0.001725	0.001770	0.005665	0.000943	0.000690
Parking Lot	0.498687	0.027849	0.148828	0.115015	0.018545	0.004394	0.011831	0.164059	0.001725	0.001770	0.005665	0.000943	0.000690

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	3.8200e-003	0.0347	0.0292	2.1000e-004		2.6400e-003	2.6400e-003		2.6400e-003	2.6400e-003		41.6422	41.6422	8.0000e-004	7.6000e-004	41.8897
NaturalGas Unmitigated	3.8200e-003	0.0347	0.0292	2.1000e-004		2.6400e-003	2.6400e-003		2.6400e-003	2.6400e-003		41.6422	41.6422	8.0000e-004	7.6000e-004	41.8897

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Government Office Building	353.959	3.8200e-003	0.0347	0.0292	2.1000e-004		2.6400e-003	2.6400e-003		2.6400e-003	2.6400e-003		41.6422	41.6422	8.0000e-004	7.6000e-004	41.8897
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		**3.8200e-003**	**0.0347**	**0.0292**	**2.1000e-004**		**2.6400e-003**	**2.6400e-003**		**2.6400e-003**	**2.6400e-003**		**41.6422**	**41.6422**	**8.0000e-004**	**7.6000e-004**	**41.8897**

5.2 Energy by Land Use - NaturalGas

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Government Office Building	0.353959	3.8200e-003	0.0347	0.0292	2.1000e-004		2.6400e-003	2.6400e-003		2.6400e-003	2.6400e-003		41.6422	41.6422	8.0000e-004	7.6000e-004	41.8897
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		**3.8200e-003**	**0.0347**	**0.0292**	**2.1000e-004**		**2.6400e-003**	**2.6400e-003**		**2.6400e-003**	**2.6400e-003**		**41.6422**	**41.6422**	**8.0000e-004**	**7.6000e-004**	**41.8897**

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	0.2710	1.3000e-004	0.0138	0.0000		5.0000e-005	5.0000e-005		5.0000e-005	5.0000e-005		0.0295	0.0295	8.0000e-005		0.0315
Unmitigated	0.2710	1.3000e-004	0.0138	0.0000		5.0000e-005	5.0000e-005		5.0000e-005	5.0000e-005		0.0295	0.0295	8.0000e-005		0.0315

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.0206					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.2491					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	1.2800e-003	1.3000e-004	0.0138	0.0000		5.0000e-005	5.0000e-005		5.0000e-005	5.0000e-005		0.0295	0.0295	8.0000e-005		0.0315
Total	**0.2710**	**1.3000e-004**	**0.0138**	**0.0000**		**5.0000e-005**	**5.0000e-005**		**5.0000e-005**	**5.0000e-005**		**0.0295**	**0.0295**	**8.0000e-005**		**0.0315**

6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.0206					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.2491					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	1.2800e-003	1.3000e-004	0.0138	0.0000		5.0000e-005	5.0000e-005		5.0000e-005	5.0000e-005		0.0295	0.0295	8.0000e-005		0.0315
Total	**0.2710**	**1.3000e-004**	**0.0138**	**0.0000**		**5.0000e-005**	**5.0000e-005**		**5.0000e-005**	**5.0000e-005**		**0.0295**	**0.0295**	**8.0000e-005**		**0.0315**

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

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

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type
Emergency Generator	1	0	100	200	0.73	CNG

Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type

User Defined Equipment

Equipment Type	Number

10.1 Stationary Sources

Unmitigated/Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Equipment Type	lb/day										lb/day					
Emergency Generator - CNG (0 - 500 HP)	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**		**0.0000**

11.0 Vegetation

Conditional Use Permit No. 19-10

Kings County, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Government Office Building	9.90	1000sqft	0.23	9,900.00	0
Parking Lot	33.00	Space	0.30	13,200.00	0
Other Asphalt Surfaces	75.00	1000sqft	1.72	75,000.00	0
Other Non-Asphalt Surfaces	16.92	1000sqft	0.39	16,920.00	0

1.2 Other Project Characteristics

Urbanization	Rural	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	37
Climate Zone	3			**Operational Year**	2022
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	513	**CH4 Intensity (lb/MWhr)**	0.025	**N2O Intensity (lb/MWhr)**	0

1.3 User Entered Comments & Non-Default Data

Conditional Use Permit No. 19-10 - Kings County, Winter

Project Characteristics - SCE Fuel Mix per https://www.edison.com/content/dam/eix/documents/sustainability/eix-esg-pilot-quantitative-section-sce.pdf

Land Use - Fire Station Building sized is 9,900 square feet.
Assumes 75,000sqft of paved access roads
Assumes 16,920sqft drainage basin

Construction Phase - No demolition to occur.

Grading - Project assumes site will be balanced.

Architectural Coating - SJVAPCD Rule 4601 (Architectural Coatings)

Vehicle Trips - Trip Generation using Fire and Rescue Station ITE 10th Edition Code 575

Area Coating - Architectural Coating reapplications will occur in 2022 and later. 2022+ Rule 4601 applies.

Energy Use -

Water And Wastewater - Water usage data per WSA. Project will be on septic.

Stationary Sources - Emergency Generators and Fire Pumps -

Land Use Change - Project will remove up to 15 acres of cropland.

Mobile Land Use Mitigation -

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	EF_Nonresidential_Exterior	150.00	100.00
tblArchitecturalCoating	EF_Nonresidential_Interior	150.00	50.00
tblArchitecturalCoating	EF_Parking	150.00	100.00
tblAreaCoating	Area_EF_Nonresidential_Exterior	150	50
tblAreaCoating	Area_EF_Nonresidential_Interior	150	50
tblAreaCoating	Area_EF_Parking	150	100
tblConstructionPhase	PhaseEndDate	12/31/2020	12/15/2021
tblConstructionPhase	PhaseEndDate	12/31/2020	11/17/2021
tblConstructionPhase	PhaseEndDate	12/31/2020	1/13/2021
tblConstructionPhase	PhaseEndDate	12/31/2020	12/1/2021
tblConstructionPhase	PhaseEndDate	12/31/2020	1/5/2021
tblConstructionPhase	PhaseStartDate	1/1/2021	12/2/2021

tblConstructionPhase	PhaseStartDate	1/1/2021	1/14/2021
tblConstructionPhase	PhaseStartDate	1/1/2021	1/6/2021
tblConstructionPhase	PhaseStartDate	1/1/2021	11/18/2021
tblProjectCharacteristics	CH4IntensityFactor	0.029	0.025
tblProjectCharacteristics	CO2IntensityFactor	702.44	513
tblProjectCharacteristics	N2OIntensityFactor	0.006	0
tblProjectCharacteristics	UrbanizationLevel	Urban	Rural
tblStationaryGeneratorsPumpsUse	HorsePowerValue	0.00	200.00
tblStationaryGeneratorsPumpsUse	HoursPerYear	0.00	100.00
tblStationaryGeneratorsPumpsUse	NumberOfEquipment	0.00	1.00
tblVehicleTrips	DV_TP	34.00	0.00
tblVehicleTrips	PB_TP	16.00	0.00
tblVehicleTrips	PR_TP	50.00	100.00
tblVehicleTrips	ST_TR	0.00	0.48
tblVehicleTrips	SU_TR	0.00	0.48
tblVehicleTrips	WD_TR	68.93	0.48
tblWater	AerobicPercent	87.46	0.00
tblWater	AnaDigestCombDigestGasPercent	100.00	0.00
tblWater	AnaerobicandFacultativeLagoonsPercent	2.21	0.00
tblWater	IndoorWaterUseRate	1,966,730.89	143,554.50
tblWater	OutdoorWaterUseRate	1,205,415.71	42,887.50
tblWater	SepticTankPercent	10.33	100.00

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2021	8.9337	20.2638	16.9365	0.0350	6.6801	0.9165	7.5966	3.4014	0.8432	4.2446	0.0000	3,308.9731	3,308.9731	0.7703	0.0000	3,322.3051
Maximum	**8.9337**	**20.2638**	**16.9365**	**0.0350**	**6.6801**	**0.9165**	**7.5966**	**3.4014**	**0.8432**	**4.2446**	**0.0000**	**3,308.9731**	**3,308.9731**	**0.7703**	**0.0000**	**3,322.3051**

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2021	8.9337	20.2638	16.9365	0.0350	6.6801	0.9165	7.5966	3.4014	0.8432	4.2446	0.0000	3,308.9731	3,308.9731	0.7703	0.0000	3,322.3051
Maximum	**8.9337**	**20.2638**	**16.9365**	**0.0350**	**6.6801**	**0.9165**	**7.5966**	**3.4014**	**0.8432**	**4.2446**	**0.0000**	**3,308.9731**	**3,308.9731**	**0.7703**	**0.0000**	**3,322.3051**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	0.2710	1.3000e-004	0.0138	0.0000		5.0000e-005	5.0000e-005		5.0000e-005	5.0000e-005		0.0295	0.0295	8.0000e-005		0.0315
Energy	3.8200e-003	0.0347	0.0292	2.1000e-004		2.6400e-003	2.6400e-003		2.6400e-003	2.6400e-003		41.6422	41.6422	8.0000e-004	7.6000e-004	41.8897
Mobile	0.0102	0.1448	0.1092	5.9000e-004	0.0347	5.3000e-004	0.0352	9.3100e-003	5.0000e-004	9.8000e-003		60.8417	60.8417	6.1300e-003		60.9948
Stationary	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	**0.2850**	**0.1796**	**0.1522**	**8.0000e-004**	**0.0347**	**3.2200e-003**	**0.0379**	**9.3100e-003**	**3.1900e-003**	**0.0125**		**102.5134**	**102.5134**	**7.0100e-003**	**7.6000e-004**	**102.9160**

2.2 Overall Operational

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	0.2710	1.3000e-004	0.0138	0.0000		5.0000e-005	5.0000e-005		5.0000e-005	5.0000e-005		0.0295	0.0295	8.0000e-005		0.0315
Energy	3.8200e-003	0.0347	0.0292	2.1000e-004		2.6400e-003	2.6400e-003		2.6400e-003	2.6400e-003		41.6422	41.6422	8.0000e-004	7.6000e-004	41.8897
Mobile	0.0102	0.1448	0.1092	5.9000e-004	0.0347	5.3000e-004	0.0352	9.3100e-003	5.0000e-004	9.8000e-003		60.8417	60.8417	6.1300e-003		60.9948
Stationary	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	**0.2850**	**0.1796**	**0.1522**	**8.0000e-004**	**0.0347**	**3.2200e-003**	**0.0379**	**9.3100e-003**	**3.1900e-003**	**0.0125**		**102.5134**	**102.5134**	**7.0100e-003**	**7.6000e-004**	**102.9160**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Site Preparation	Site Preparation	1/1/2021	1/5/2021	5	3	
2	Grading	Grading	1/6/2021	1/13/2021	5	6	
3	Building Construction	Building Construction	1/14/2021	11/17/2021	5	220	
4	Paving	Paving	11/18/2021	12/1/2021	5	10	
5	Architectural Coating	Architectural Coating	12/2/2021	12/15/2021	5	10	

Acres of Grading (Site Preparation Phase): 4.5

Acres of Grading (Grading Phase): 3

Acres of Paving: 2.41

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 14,850; Non-Residential Outdoor: 4,950; Striped Parking Area: 6,307 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Architectural Coating	Air Compressors	1	6.00	78	0.48
Paving	Cement and Mortar Mixers	1	8.00	9	0.56
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Cranes	1	8.00	231	0.29
Building Construction	Forklifts	2	7.00	89	0.20
Site Preparation	Graders	1	8.00	187	0.41
Paving	Pavers	1	8.00	130	0.42
Paving	Rollers	2	8.00	80	0.38
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Building Construction	Tractors/Loaders/Backhoes	1	6.00	97	0.37
Grading	Tractors/Loaders/Backhoes	2	7.00	97	0.37
Paving	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Site Preparation	Tractors/Loaders/Backhoes	1	7.00	97	0.37
Grading	Graders	1	8.00	187	0.41
Paving	Paving Equipment	1	8.00	132	0.36
Site Preparation	Scrapers	1	8.00	367	0.48
Building Construction	Welders	3	8.00	46	0.45

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Site Preparation	3	8.00	0.00	0.00	16.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Grading	4	10.00	0.00	0.00	16.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	8	47.00	19.00	0.00	16.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	16.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	9.00	0.00	0.00	16.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

3.2 Site Preparation - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					1.5908	0.0000	1.5908	0.1718	0.0000	0.1718			0.0000			0.0000
Off-Road	1.5463	18.2862	10.7496	0.0245		0.7019	0.7019		0.6457	0.6457		2,372.8832	2,372.8832	0.7674		2,392.0692
Total	**1.5463**	**18.2862**	**10.7496**	**0.0245**	**1.5908**	**0.7019**	**2.2926**	**0.1718**	**0.6457**	**0.8175**		**2,372.8832**	**2,372.8832**	**0.7674**		**2,392.0692**

3.2 Site Preparation - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0495	0.0402	0.3298	8.7000e-004	0.1022	6.3000e-004	0.1028	0.0271	5.8000e-004	0.0277		86.1372	86.1372	2.8400e-003		86.2082
Total	**0.0495**	**0.0402**	**0.3298**	**8.7000e-004**	**0.1022**	**6.3000e-004**	**0.1028**	**0.0271**	**5.8000e-004**	**0.0277**		**86.1372**	**86.1372**	**2.8400e-003**		**86.2082**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					1.5908	0.0000	1.5908	0.1718	0.0000	0.1718			0.0000			0.0000
Off-Road	1.5463	18.2862	10.7496	0.0245		0.7019	0.7019		0.6457	0.6457	0.0000	2,372.8832	2,372.8832	0.7674		2,392.0692
Total	**1.5463**	**18.2862**	**10.7496**	**0.0245**	**1.5908**	**0.7019**	**2.2926**	**0.1718**	**0.6457**	**0.8175**	**0.0000**	**2,372.8832**	**2,372.8832**	**0.7674**		**2,392.0692**

3.2 Site Preparation - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0495	0.0402	0.3298	8.7000e-004	0.1022	6.3000e-004	0.1028	0.0271	5.8000e-004	0.0277		86.1372	86.1372	2.8400e-003		86.2082
Total	**0.0495**	**0.0402**	**0.3298**	**8.7000e-004**	**0.1022**	**6.3000e-004**	**0.1028**	**0.0271**	**5.8000e-004**	**0.0277**		**86.1372**	**86.1372**	**2.8400e-003**		**86.2082**

3.3 Grading - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					6.5523	0.0000	6.5523	3.3675	0.0000	3.3675			0.0000			0.0000
Off-Road	1.8271	20.2135	9.7604	0.0206		0.9158	0.9158		0.8425	0.8425		1,995.6114	1,995.6114	0.6454		2,011.7470
Total	**1.8271**	**20.2135**	**9.7604**	**0.0206**	**6.5523**	**0.9158**	**7.4681**	**3.3675**	**0.8425**	**4.2100**		**1,995.6114**	**1,995.6114**	**0.6454**		**2,011.7470**

3.3 Grading - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0619	0.0503	0.4122	1.0800e-003	0.1277	7.9000e-004	0.1285	0.0339	7.2000e-004	0.0346		107.6715	107.6715	3.5500e-003		107.7603
Total	**0.0619**	**0.0503**	**0.4122**	**1.0800e-003**	**0.1277**	**7.9000e-004**	**0.1285**	**0.0339**	**7.2000e-004**	**0.0346**		**107.6715**	**107.6715**	**3.5500e-003**		**107.7603**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					6.5523	0.0000	6.5523	3.3675	0.0000	3.3675			0.0000			0.0000
Off-Road	1.8271	20.2135	9.7604	0.0206		0.9158	0.9158		0.8425	0.8425	0.0000	1,995.6114	1,995.6114	0.6454		2,011.7470
Total	**1.8271**	**20.2135**	**9.7604**	**0.0206**	**6.5523**	**0.9158**	**7.4681**	**3.3675**	**0.8425**	**4.2100**	**0.0000**	**1,995.6114**	**1,995.6114**	**0.6454**		**2,011.7470**

3.3 Grading - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0619	0.0503	0.4122	1.0800e-003	0.1277	7.9000e-004	0.1285	0.0339	7.2000e-004	0.0346		107.6715	107.6715	3.5500e-003		107.7603
Total	**0.0619**	**0.0503**	**0.4122**	**1.0800e-003**	**0.1277**	**7.9000e-004**	**0.1285**	**0.0339**	**7.2000e-004**	**0.0346**		**107.6715**	**107.6715**	**3.5500e-003**		**107.7603**

3.4 Building Construction - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.0451	16.0275	14.5629	0.0250		0.8173	0.8173		0.7831	0.7831		2,288.9355	2,288.9355	0.4503		2,300.1935
Total	**2.0451**	**16.0275**	**14.5629**	**0.0250**		**0.8173**	**0.8173**		**0.7831**	**0.7831**		**2,288.9355**	**2,288.9355**	**0.4503**		**2,300.1935**

3.4 Building Construction - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0646	2.0085	0.4361	4.9200e-003	0.1165	5.9600e-003	0.1225	0.0336	5.7000e-003	0.0393		513.9814	513.9814	0.0663		515.6382
Worker	0.2907	0.2364	1.9375	5.0800e-003	0.6003	3.7000e-003	0.6040	0.1592	3.4100e-003	0.1626		506.0563	506.0563	0.0167		506.4733
Total	**0.3553**	**2.2449**	**2.3736**	**0.0100**	**0.7169**	**9.6600e-003**	**0.7265**	**0.1928**	**9.1100e-003**	**0.2019**		**1,020.0376**	**1,020.0376**	**0.0830**		**1,022.1116**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.0451	16.0275	14.5629	0.0250		0.8173	0.8173		0.7831	0.7831	0.0000	2,288.9355	2,288.9355	0.4503		2,300.1935
Total	**2.0451**	**16.0275**	**14.5629**	**0.0250**		**0.8173**	**0.8173**		**0.7831**	**0.7831**	**0.0000**	**2,288.9355**	**2,288.9355**	**0.4503**		**2,300.1935**

3.4 Building Construction - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0646	2.0085	0.4361	4.9200e-003	0.1165	5.9600e-003	0.1225	0.0336	5.7000e-003	0.0393		513.9814	513.9814	0.0663		515.6382
Worker	0.2907	0.2364	1.9375	5.0800e-003	0.6003	3.7000e-003	0.6040	0.1592	3.4100e-003	0.1626		506.0563	506.0563	0.0167		506.4733
Total	**0.3553**	**2.2449**	**2.3736**	**0.0100**	**0.7169**	**9.6600e-003**	**0.7265**	**0.1928**	**9.1100e-003**	**0.2019**		**1,020.0376**	**1,020.0376**	**0.0830**		**1,022.1116**

3.5 Paving - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.0633	10.6478	11.7756	0.0178		0.5826	0.5826		0.5371	0.5371		1,709.1107	1,709.1107	0.5417		1,722.6524
Paving	0.5292					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**1.5925**	**10.6478**	**11.7756**	**0.0178**		**0.5826**	**0.5826**		**0.5371**	**0.5371**		**1,709.1107**	**1,709.1107**	**0.5417**		**1,722.6524**

3.5 Paving - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0928	0.0755	0.6183	1.6200e-003	0.1916	1.1800e-003	0.1928	0.0508	1.0900e-003	0.0519		161.5073	161.5073	5.3200e-003		161.6404
Total	**0.0928**	**0.0755**	**0.6183**	**1.6200e-003**	**0.1916**	**1.1800e-003**	**0.1928**	**0.0508**	**1.0900e-003**	**0.0519**		**161.5073**	**161.5073**	**5.3200e-003**		**161.6404**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.0633	10.6478	11.7756	0.0178		0.5826	0.5826		0.5371	0.5371	0.0000	1,709.1107	1,709.1107	0.5417		1,722.6524
Paving	0.5292					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**1.5925**	**10.6478**	**11.7756**	**0.0178**		**0.5826**	**0.5826**		**0.5371**	**0.5371**	**0.0000**	**1,709.1107**	**1,709.1107**	**0.5417**		**1,722.6524**

3.5 Paving - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0928	0.0755	0.6183	1.6200e-003	0.1916	1.1800e-003	0.1928	0.0508	1.0900e-003	0.0519		161.5073	161.5073	5.3200e-003		161.6404
Total	**0.0928**	**0.0755**	**0.6183**	**1.6200e-003**	**0.1916**	**1.1800e-003**	**0.1928**	**0.0508**	**1.0900e-003**	**0.0519**		**161.5073**	**161.5073**	**5.3200e-003**		**161.6404**

3.6 Architectural Coating - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	8.6591					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2189	1.5268	1.8176	2.9700e-003		0.0941	0.0941		0.0941	0.0941		281.4481	281.4481	0.0193		281.9309
Total	**8.8780**	**1.5268**	**1.8176**	**2.9700e-003**		**0.0941**	**0.0941**		**0.0941**	**0.0941**		**281.4481**	**281.4481**	**0.0193**		**281.9309**

3.6 Architectural Coating - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0557	0.0453	0.3710	9.7000e-004	0.1150	7.1000e-004	0.1157	0.0305	6.5000e-004	0.0311		96.9044	96.9044	3.1900e-003		96.9843
Total	**0.0557**	**0.0453**	**0.3710**	**9.7000e-004**	**0.1150**	**7.1000e-004**	**0.1157**	**0.0305**	**6.5000e-004**	**0.0311**		**96.9044**	**96.9044**	**3.1900e-003**		**96.9843**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	8.6591					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2189	1.5268	1.8176	2.9700e-003		0.0941	0.0941		0.0941	0.0941	0.0000	281.4481	281.4481	0.0193		281.9309
Total	**8.8780**	**1.5268**	**1.8176**	**2.9700e-003**		**0.0941**	**0.0941**		**0.0941**	**0.0941**	**0.0000**	**281.4481**	**281.4481**	**0.0193**		**281.9309**

3.6 Architectural Coating - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0557	0.0453	0.3710	9.7000e-004	0.1150	7.1000e-004	0.1157	0.0305	6.5000e-004	0.0311		96.9044	96.9044	3.1900e-003		96.9843
Total	**0.0557**	**0.0453**	**0.3710**	**9.7000e-004**	**0.1150**	**7.1000e-004**	**0.1157**	**0.0305**	**6.5000e-004**	**0.0311**		**96.9044**	**96.9044**	**3.1900e-003**		**96.9843**

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	0.0102	0.1448	0.1092	5.9000e-004	0.0347	5.3000e-004	0.0352	9.3100e-003	5.0000e-004	9.8000e-003		60.8417	60.8417	6.1300e-003		60.9948
Unmitigated	0.0102	0.1448	0.1092	5.9000e-004	0.0347	5.3000e-004	0.0352	9.3100e-003	5.0000e-004	9.8000e-003		60.8417	60.8417	6.1300e-003		60.9948

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Government Office Building	4.75	4.75	4.75	16,040	16,040
Other Asphalt Surfaces	0.00	0.00	0.00		
Other Non-Asphalt Surfaces	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
Total	4.75	4.75	4.75	16,040	16,040

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Government Office Building	14.70	6.60	6.60	33.00	62.00	5.00	100	0	0
Other Asphalt Surfaces	14.70	6.60	6.60	0.00	0.00	0.00	0	0	0
Other Non-Asphalt Surfaces	14.70	6.60	6.60	0.00	0.00	0.00	0	0	0
Parking Lot	14.70	6.60	6.60	0.00	0.00	0.00	0	0	0

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Government Office Building	0.498687	0.027849	0.148828	0.115015	0.018545	0.004394	0.011831	0.164059	0.001725	0.001770	0.005665	0.000943	0.000690
Other Asphalt Surfaces	0.498687	0.027849	0.148828	0.115015	0.018545	0.004394	0.011831	0.164059	0.001725	0.001770	0.005665	0.000943	0.000690
Other Non-Asphalt Surfaces	0.498687	0.027849	0.148828	0.115015	0.018545	0.004394	0.011831	0.164059	0.001725	0.001770	0.005665	0.000943	0.000690
Parking Lot	0.498687	0.027849	0.148828	0.115015	0.018545	0.004394	0.011831	0.164059	0.001725	0.001770	0.005665	0.000943	0.000690

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	3.8200e-003	0.0347	0.0292	2.1000e-004		2.6400e-003	2.6400e-003		2.6400e-003	2.6400e-003		41.6422	41.6422	8.0000e-004	7.6000e-004	41.8897
NaturalGas Unmitigated	3.8200e-003	0.0347	0.0292	2.1000e-004		2.6400e-003	2.6400e-003		2.6400e-003	2.6400e-003		41.6422	41.6422	8.0000e-004	7.6000e-004	41.8897

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Government Office Building	353.959	3.8200e-003	0.0347	0.0292	2.1000e-004		2.6400e-003	2.6400e-003		2.6400e-003	2.6400e-003		41.6422	41.6422	8.0000e-004	7.6000e-004	41.8897
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		**3.8200e-003**	**0.0347**	**0.0292**	**2.1000e-004**		**2.6400e-003**	**2.6400e-003**		**2.6400e-003**	**2.6400e-003**		**41.6422**	**41.6422**	**8.0000e-004**	**7.6000e-004**	**41.8897**

5.2 Energy by Land Use - NaturalGas

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Government Office Building	0.353959	3.8200e-003	0.0347	0.0292	2.1000e-004		2.6400e-003	2.6400e-003		2.6400e-003	2.6400e-003		41.6422	41.6422	8.0000e-004	7.6000e-004	41.8897
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		**3.8200e-003**	**0.0347**	**0.0292**	**2.1000e-004**		**2.6400e-003**	**2.6400e-003**		**2.6400e-003**	**2.6400e-003**		**41.6422**	**41.6422**	**8.0000e-004**	**7.6000e-004**	**41.8897**

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	0.2710	1.3000e-004	0.0138	0.0000		5.0000e-005	5.0000e-005		5.0000e-005	5.0000e-005		0.0295	0.0295	8.0000e-005		0.0315
Unmitigated	0.2710	1.3000e-004	0.0138	0.0000		5.0000e-005	5.0000e-005		5.0000e-005	5.0000e-005		0.0295	0.0295	8.0000e-005		0.0315

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.0206					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.2491					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	1.2800e-003	1.3000e-004	0.0138	0.0000		5.0000e-005	5.0000e-005		5.0000e-005	5.0000e-005		0.0295	0.0295	8.0000e-005		0.0315
Total	**0.2710**	**1.3000e-004**	**0.0138**	**0.0000**		**5.0000e-005**	**5.0000e-005**		**5.0000e-005**	**5.0000e-005**		**0.0295**	**0.0295**	**8.0000e-005**		**0.0315**

6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.0206					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.2491					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	1.2800e-003	1.3000e-004	0.0138	0.0000		5.0000e-005	5.0000e-005		5.0000e-005	5.0000e-005		0.0295	0.0295	8.0000e-005		0.0315
Total	**0.2710**	**1.3000e-004**	**0.0138**	**0.0000**		**5.0000e-005**	**5.0000e-005**		**5.0000e-005**	**5.0000e-005**		**0.0295**	**0.0295**	**8.0000e-005**		**0.0315**

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

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

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type
Emergency Generator	1	0	100	200	0.73	CNG

Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type

User Defined Equipment

Equipment Type	Number

10.1 Stationary Sources

Unmitigated/Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Equipment Type	lb/day										lb/day					
Emergency Generator - CNG (0 - 500 HP)	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**		**0.0000**

11.0 Vegetation

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Appendix B

Biological Evaluation

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Biological Evaluation

COUNTY OF KINGS

NEW FIRE STATION PROJECT

AUGUST 27, 2020

Mary Beth Bourne, Biologist
PROVOST & PRITCHARD CONSULTING GROUP | 286 CROMWELL, FRESNO CA 03711

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I. Introduction

The following technical report, prepared by Provost & Pritchard Consulting Group, in compliance with the California Environmental Quality Act (CEQA), includes a description of the biological resources present or with potential to occur within the proposed New Fire Station (Project) site and surrounding areas and evaluates potential Project-related impacts to those resources.

Project Description

The County of Kings is proposing to construct a new fire station at the northeast corner of the intersection of State Route (SR) 43 and Houston Avenue just outside of the City of Hanford. The proposed new fire station would include fire administrative offices, a fire training facility, living quarters, and an emergency operations center (EOC). These services would be housed in an approximately 9,900- square-foot (sf) building. The Project would also include a parking lot with approximately 24 parking spaces as well as a drainage basin for stormwater runoff. The study area for the Project (also referred to as the area of potential effect, or APE) encompassed approximately 15 acres and is located on Assessor Parcel Number (APN) 016-130-085. The Project site would be defined within this study area at a future date and would ultimately be enclosed by chain link perimeter security fencing, and access to the proposed development would occur from Houston Avenue. No agricultural uses would occur within the final Project site selected.

Daily work hours during construction would be limited to Monday through Saturday from 7:00 AM to 6:00 PM. Typical construction equipment, such as earth graders, back-hoes, cranes, dump trucks, skip-loaders, would be used. A staging area for mobilized equipment would be identified within the new parcel. Contractor employees are expected to arrive daily in private vehicles or contractor vehicles and would park in the staging area.

Report Objectives

Construction and operational activities such as those proposed by the County could potentially damage biological resources or modify habitats that are crucial for sensitive plant and wildlife species. In cases such as these, development may be regulated by State or federal agencies, subject to provisions of CEQA, and/or addressed by local regulatory agencies.

This report addresses issues related to the following:

1) The presence of sensitive biological resources onsite, or with the potential to occur onsite.

2) The federal, State, and local regulations regarding these resources.

3) Mitigation measures that may be required to reduce the magnitude of anticipated impacts and/or comply with permit requirements of State and federal resource agencies.

Therefore, the objectives of this report are:

1) Summarize all site-specific information related to existing biological resources.

2) Make reasonable inferences about the biological resources that could occur onsite based on habitat suitability and the proximity of the site to a species' known range.

3) Summarize all State and federal natural resource protection laws that may be relevant to the Project (APE).

4) Identify and discuss Project impacts to biological resources likely to occur onsite within the context of CEQA or State or federal laws.

5) Identify and publish a set of avoidance and mitigation measures that would reduce impacts to a less-than-significant level (as identified by CEQA) and are generally consistent with recommendations of the resource agencies for affected biological resources.

Study Methodology

A reconnaissance-level field survey of the APE and surrounding area was conducted on July 10, 2020 by Mary Beth Bourne, biologist. The survey consisted of walking through the APE while identifying and noting land uses, biological habitats and communities, and plant and animal species encountered or adjacent. Furthermore, the site and surrounding areas were assessed for suitable habitats of various wildlife species.

Ms. Bourne conducted an analysis of potential Project-related impacts to biological resources based on the resources known to exist or with potential to exist within the APE and surrounding areas. Sources of information used in preparation of this analysis included: the California Department of Fish and Wildlife (CDFW) California Natural Diversity Database (CNDDB); the California Native Plant Society (CNPS) Online Inventory of Rare and Endangered Vascular Plants of California; CalFlora's online database of California native plants; the Jepson Herbarium online database (Jepson eFlora); United States Fish and Wildlife Service (USFWS) Environmental Conservation Online System (ECOS); the NatureServe Explorer online database; the United States Department of Agriculture (USDA) Natural Resources Conservation Service (NRCS) Plants Database; the CDFW California Wildlife Habitat Relationships (CWHR) database; the California Herps online database; and various manuals, reports, and references related to plants and animals of the San Joaquin Valley region.

The scope of work for this field investigation did not include a wetland delineation or focused surveys for special status species. The field survey conducted included an appropriate level of detail to assess the significance of potential impacts to sensitive biological resources resulting from the Project. Furthermore, the field survey was sufficient to generally describe those features of the Project that could be subject to the jurisdiction of federal and/or State agencies, such as the United States. Army Corps of Engineers (USACE), CDFW, and the Regional Water Quality Control Board (RWQCB).

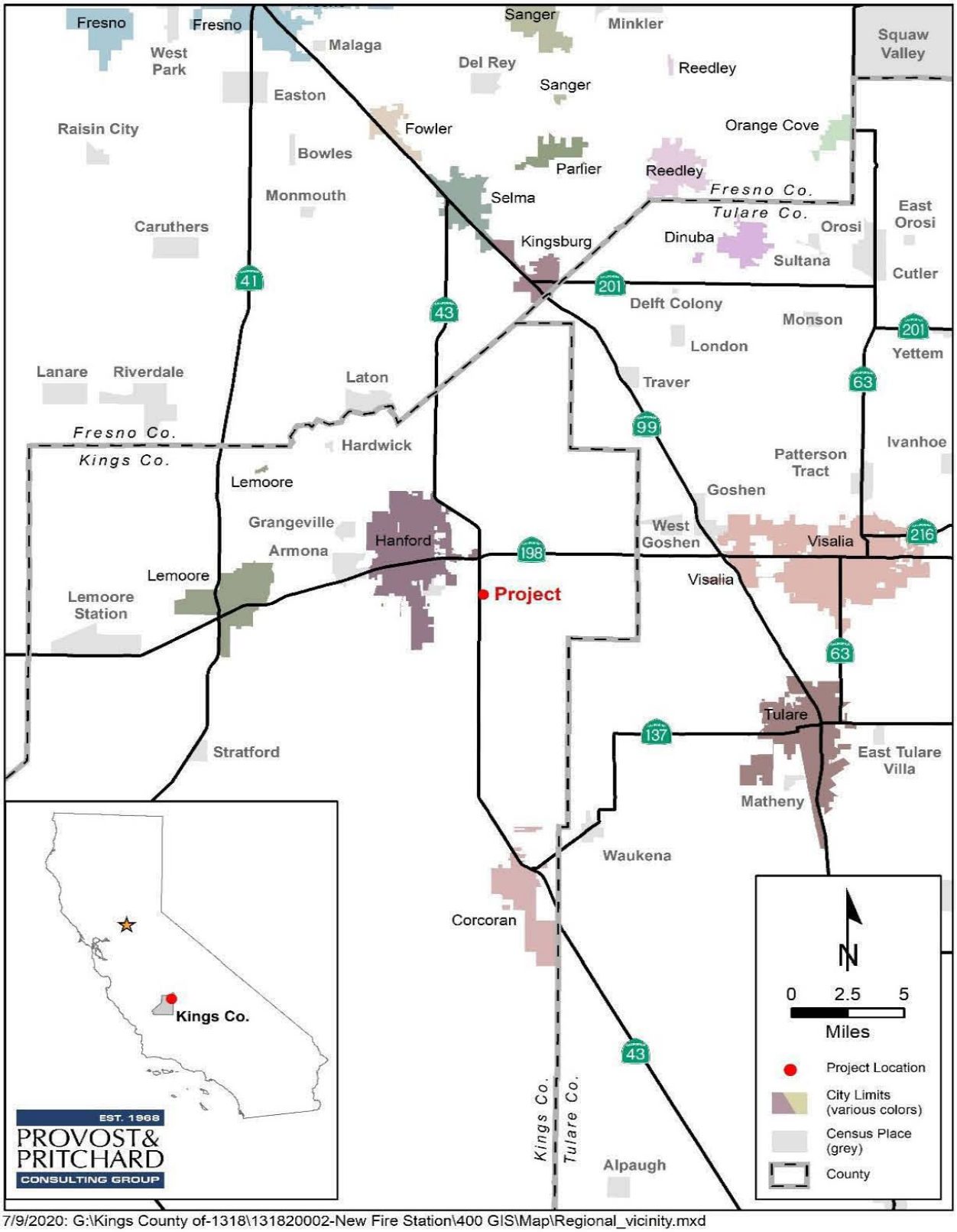

Figure 1. Regional Location Map

Figure 2. Topographic Quadrangle Map

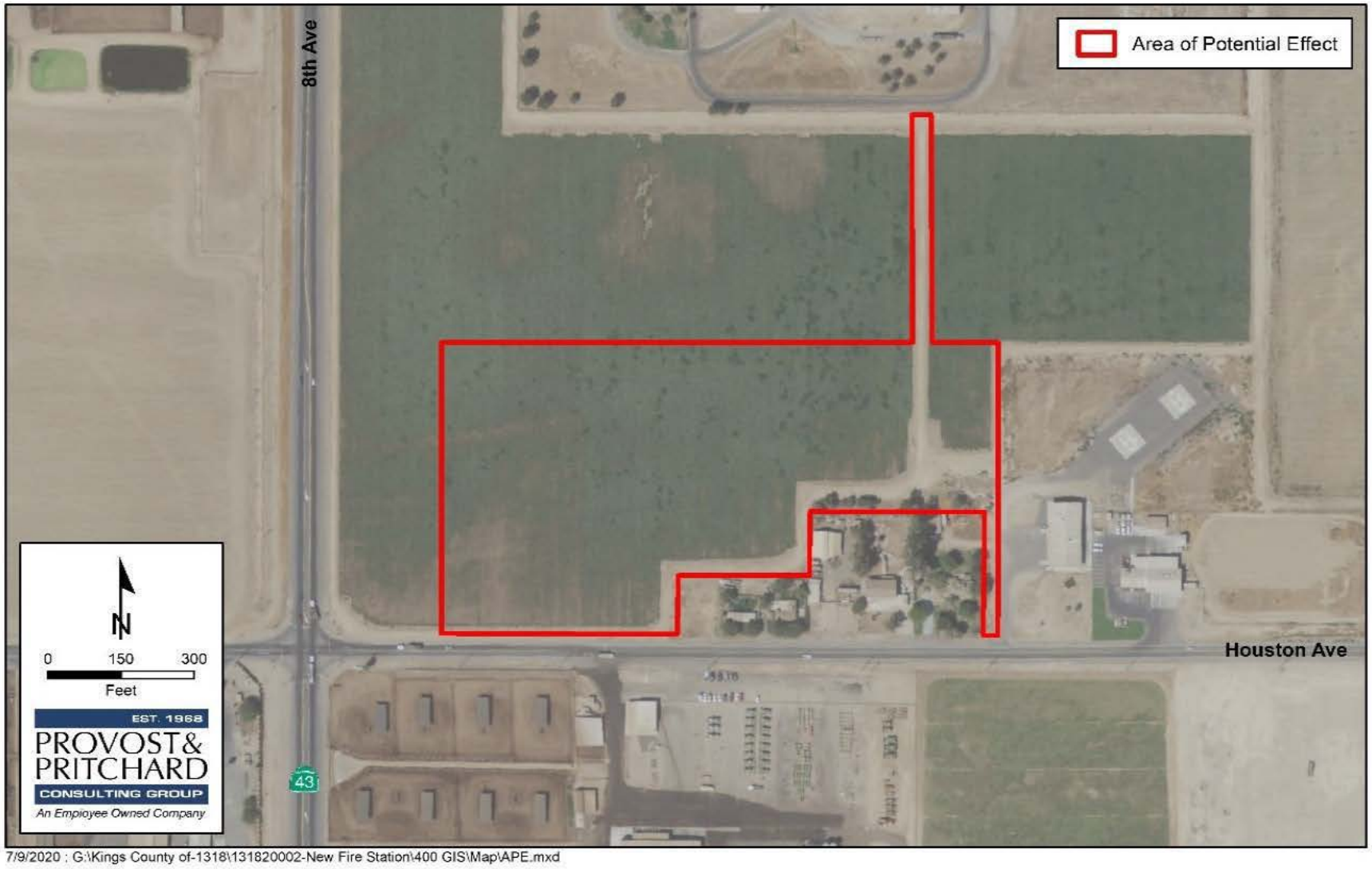

Figure 3. Area of Potential Effect (APE)

II. Existing Conditions

Regional Setting

The APE is located in Kings County, which lies within the lower San Joaquin Valley, part of the Great Valley of California (See **Figure 1**). The Valley is bordered by the Sierra Nevada Mountain Ranges to the east, the Coast Ranges to the west, the Klamath Mountains and Cascade Range to the north, and the Transverse Ranges and Mojave Desert to the south.

Like most of California, the San Joaquin Valley experiences a Mediterranean climate. Warm, dry summers are followed by cool, moist winters. Summer temperatures often reach above 90 degrees Fahrenheit, and the humidity is generally low. Winter temperatures are often below 60 degrees Fahrenheit during the day and rarely exceed 70 degrees. On average, the Central Valley receives approximately 12 inches of precipitation in the form of rainfall yearly, most of which occurs between October and March.

The Project is located approximately 11 miles south of the Kings River, within the Guernsey Slough watershed; Hydrologic Unit Code (HUC): 180300122001 (EPA, 2020). The nearest surface water feature is the channelized Lakeside irrigation canal, located approximately 0.2 miles east of the APE.

The Project lies entirely within the Tulare Lake Groundwater Subbasin of the San Joaquin Valley Groundwater Basin. (DWR, 2020).

Project Study Area (APE)

As illustrated in **Figure 3**, the APE consists of an approximate 15-acre area of APN 016-130-085. The APE is located directly south of the Kings Waste and Recycling Authority and west of the current Kings County Fire Station. The APE is primarily composed of an agricultural field which would be harvested before the start of construction. (Further agricultural use may resume on a majority of the APE but would not resume within the site ultimately chosen within the APE for the New Fire Station.) Residential lots are located directly adjacent to the southeast corner of the APE. The perimeter of the site is composed of compacted dirt pathways large enough for vehicles to navigate. Photographs of the APE and surrounding areas are available in **Appendix A** at the end of this document.

Biological Communities

One biological community was identified within the APE: ruderal/agricultural. Surrounding land uses consist of developed, ruderal, and agricultural. All habitats of the APE and surrounding lands are disturbed or frequently maintained, and therefore of relatively low quality for most native wildlife species.

Ruderal/Agricultural

Ruderal/agricultural habitats are characterized by a high level of human disturbance and absence of vegetation or dominated by non-native plant species. The main portion of the APE is located within a corn field. The field was not harvested at the time of the survey. This made most of the site inaccessible at the time of the survey. Although this area would be available by harvesting the existing crops prior to construction activities starting, this too, would make the site equally unsuitable for most wildlife species, as agricultural activities do. The perimeter of the site including the driveways connecting the site to Houston Avenue and the Kings Waste and

Recycling Authority consist of highly compacted dirt roads approximately 10-feet wide, enough for a single vehicle. The agricultural lot abuts multiple residential lots along Houston Avenue. These lots were fenced at the time of the survey. Multiple eucalyptus trees were observed directly outside the fenced areas. These trees are part of the APE; however, they would not be removed. Vacant ruderal lots were observed in the area between the APE and the existing Kings County Fire Station. Trash and debris were present within these lots. Common mammal species tolerant of this type of disturbance and would be expected to pass through the area include, raccoons (*Procyon lotor*), coyotes (*Canis latrans*), striped skunks (*Mephitis mephitis*), gray foxes (*Urocyron cinereoargentus*) and non-native opossums (*Didelphis virginiana*). Common reptiles and amphibians associated with urban development such as the San Joaquin fence lizard (*Sceloporus occidentalis biseriatus*) could occasionally pass through the site, although suitable breeding habitat and refugia was not observed during the biological survey.

A barn owl (*Tyto alba*) was observed flying over the agricultural field at the time of the survey. The owl was observed landing in a eucalyptus tree within one of the adjacent residential lots. An owl box was observed within the APE as well; however, there were no indications that the box is currently occupied. The surrounding agricultural fields undoubtedly provide additional suitable foraging habitat for raptors. Other avian species observed during the survey include American crow (*Corvus brachyrhynchos*), house sparrow (*Passer domesticus*), mourning dove (*Zenaida macroura*), northern mockingbird (*Mimus polyglottos*), and European starling *(Sturnus vulgaris*). These species were primarily observed within the adjacent residential lots. Numerous ornamental trees were observed within this area, but outside of the Project APE.

Besides the portion of the site dominated by the agricultural field, minimal vegetation was present at the time of the survey within the APE. The following dominant invasive species were observed along the edge of the field: field bindweed (*Convolvulus arvensis*), foxtail brome (*Bromus madritensis*), wall barley (*Hordeum murinum*), and Russian thistle (*Kali tragus*). Besides the eucalyptus trees, the adjacent residential lots contained numerous ornamental trees including mimosa (*Albizia julibrissin*).

Ruderal/agricultural areas within the proposed APE have minimal value to wildlife due to the frequent human disturbance, presence of domestic dogs and cats, and the absence of native vegetation. However, some disturbance-tolerant species may make incidental use of these ruderal lands.

Soils

One soil mapping unit was identified within the APE: Kimberlina fine sandy loam, saline-alkali. This soil series consists of very deep, well-drained soils on flood plains and recent alluvial fans. Most areas of these soils are cultivated and irrigated or fallow land. When left fallow or uncultivated, native vegetation is usually comprised of annual grasses, forbs, and saltbrush. This soil is not considered hydric, nor are any of the minor soil components. Hydric soils are defined as soils that are saturated, flooded, or ponded long enough during the growing season to develop anaerobic conditions such that under sufficiently wet.

The complete NRCS Web Soil Survey report is available in **Appendix C** at the end of this document.

Natural Communities of Special Concern

Natural communities of special concern are those that are of limited distribution, distinguished by significant biological diversity, or home to special status species. CDFW is responsible for the classification and mapping

of all-natural communities in California. Just like the special status plant and animal species, these natural communities of special concern can be found within the CNDDB.

According to CNDDB, there are no recorded observations of natural communities of special concern with potential to occur within the APE or vicinity. Additionally, no natural communities of special concern were observed during the biological survey.

Designated Critical Habitat

The USFWS often designates areas of "Critical Habitat" when it lists species as threatened or endangered. Critical Habitat is a specific geographic area that contains features essential for the conservation of a threatened or endangered species and that may require special management and protection.

According to CNDDB, designated critical habitat is absent from the APE and vicinity.

Wildlife Movement Corridors

Wildlife movement corridors are routes that animals regularly and predictably follow during seasonal migration, dispersal from native ranges, daily travel within home ranges, and inter-population movements. Movement corridors in California are typically associated with valleys, ridgelines, and rivers and creeks supporting riparian vegetation.

The APE does not contain features that would be likely to function as wildlife movement corridors. Furthermore, the Project is located in a region often disturbed by intensive agricultural cultivation practices and human disturbance which would discourage dispersal and migration.

Special Status Plants and Animals

California contains several "rare" plant and animal species. In this context, rare is defined as species known to have low populations or limited distributions. As the human population grows, resulting in urban expansion which encroaches on the already limited suitable habitat, these sensitive species become increasingly more vulnerable to extirpation. State and federal regulations have provided the CDFW and the USFWS with a mechanism for conserving and protecting the diversity of plant and animal species native to California. Numerous native plants and animals have been formally designated as "threatened" or "endangered" under State and federal endangered species legislation. Other formal designations include "candidate" for listing or "species of special concern" by CDFW. CNPS has its list of native plants considered rare, threatened, or endangered. Collectively these plants and animals are referred to as "special status species."

A thorough search of the CNDDB for published accounts of special status plant and animal species was conducted for the Remnoy 7.5-minute quadrangle that contains the APE in its entirety, and for the eight surrounding quadrangles: Hanford, Goshen, Laton, Traver, Burris Park, Waukena, Guernsey, and Paige. These species, and their potential to occur within the proposed Project APE are listed in **Table 1** and **Table 2** on the following pages. Raw data obtained from CNDDB is available in **Appendix B** at the end of this document. Other sources of information utilized in the preparation of this analysis are described above under the heading Study Methodology. **Figure 2** shows the Project's 7.5-minute quadrangles, according to USGS Topographic Maps.

Table 1. List of Special Status Animals with Potential to Occur Onsite and/or in the Vicinity

Species	Status	Habitat	Occurrence on APE
blunt-nosed leopard lizard *(Gambelia sila)*	FE, CE, CFP	Inhabits semi-arid grasslands, alkali flats, low foothills, canyon floors, large washes, and arroyos, usually on sandy, gravelly, or loamy substrate, sometimes on hardpan. Often found where there are abundant rodent burrows in dense vegetation or tall grass. Cannot survive on lands under cultivation. Known to bask on kangaroo rat mounds and often seeks shelter at the base of shrubs, in small mammal burrows, or in rock piles. Adults may excavate shallow burrows but rely on deeper pre-existing rodent burrows for hibernation and reproduction.	**Absent**. The disturbed habitats onsite and in the surrounding areas are unsuitable for this species. The nearest observation of this species was recorded in 1990, approximately 9 miles southwest of the Project in valley sink scrub habitat.
burrowing owl *(Athene cunicularia)*	CSC	Resides in open, dry annual or perennial grasslands, deserts, and scrublands with low growing vegetation. Nests underground in existing burrows created by mammals, most often ground squirrels.	**Unlikely**. Ground squirrels and burrows were absent from the APE and surrounding lands at the time of the field survey. The frequently disturbed APE comprised of an actively managed agricultural field and compacted dirt pathways is unsuitable for this species. Aerial imagery of the surrounding area, specifically the land adjacent to the Kings Waste and Recycling Authority, indicates that nearby vacant lots are regularly disced. At most, a burrowing owl individual could pass over or through the site but would not be expected to nest or forage within or adjacent to proposed impact areas due to the lack of burrows and vegetation. The nearest observation of this species was recorded in 2017,

Species	Status	Habitat	Occurrence on APE
			approximately 7 miles northeast of the Project in vernal pool-grassland habitat.
California tiger salamander *(Ambystoma californiense)*	FT, CT, CWL	Requires vernal pools or seasonal ponds for breeding and small mammal burrows for aestivation. Generally found in grassland and oak savannah plant communities in central California from sea level to 1500 feet in elevation.	**Absent**. Suitable breeding and aestivation habitats are absent from the APE due to the highly disturbed area. The nearest observation of this species was recorded in 1999, approximately 7 miles northeast of the Project in vernal pool-grassland habitat.
loggerhead shrike *(Lanius ludovicianus)*	CSC	Frequents open habitats with sparse shrubs and trees, other suitable perches, bare ground, and low herbaceous cover. In the Central Valley, nests in riparian areas, desert scrub, and agricultural hedgerows.	**Unlikely**. Suitable nesting trees and shrubs are absent from the APE and surrounding area. The only regional recorded observation of this species occurred approximately 14 miles northeast of the APE more than 25 years ago in riparian habitat adjacent to Cottonwood creek. At most, a loggerhead shrike individual could potentially pass over or through the site but would not be expected to nest or forage within or adjacent to proposed impact areas.
San Joaquin kit fox *(Vulpes macrotis mutica)*	FE, CT	Underground dens with multiple entrances in alkali sink, valley grassland, and woodland in valleys and adjacent foothills.	**Unlikely**. In the past 25 years there have been two recorded observations of this species within 5 miles of the APE. However, the highly disturbed habitats of the APE are unsuitable for this species. Furthermore, the APE is bordered to the east and south by two major roadways. The Project is located approximately 74 miles east-southeast of the nearest known core population in Ciervo-Panoche Natural Area. Although some populations of San Joaquin Kit Fox in other parts of California have adapted to an urbanized

Species	Status	Habitat	Occurrence on APE
			environment, modern kit fox occurrences are locally scarce. At most, this species could conceivably pass through the APE during dispersal movements.
Swainson's hawk ***(Buteo swainsoni)***	CT	Nests in large trees in open areas adjacent to grasslands, grain or alfalfa fields, or livestock pastures suitable for supporting rodent populations.	**Possible.** Swainson's hawks are relatively common in this portion of the Central Valley. There are numerous recorded observations of this species in the vicinity of the APE, including a nest tree recorded approximately one mile southeast of the APE in 2016. Nesting habitat is present directly adjacent to the site in the form of eucalyptus trees, but none were observed.
Tipton kangaroo rat ***(Dipodomys nitratoides nitratoides)***	FE, CE	Burrows in soil. Often found in grassland and shrubland.	**Absent**. The disturbed habitats of the APE are generally unsuitable for this species. No burrow precincts or tail drags were observed during the field survey. The nearest observation of this species was recorded in 2008 in iodine bush scrub habitat approximately 7.5 miles southwest of the APE. This occurrence record contains a note which states, "this is a completely isolated population."
tricolored blackbird ***(Agelaius tricolor)***	CT, CSC	Nests colonially near fresh water in dense cattails or tules, or in thickets of riparian shrubs. Forages in grassland and cropland. Large colonies are often found on dairy farm forage fields.	**Possible**. Suitable nesting habitat was absent from the APE at the time of the field surveys; however, based on the conditions which would be present before construction, suitable foraging habitat for this species is present across much of the site in the form of a recently harvested corn field.

Species	*Status*	*Habitat*	*Occurrence on APE*
vernal pool fairy shrimp *(Branchinecta lynchi)*	FT	Occupies vernal pools, clear to tea-colored water, in grass or mud-bottomed swales, and basalt depression pools.	**Absent**. Suitable vernal pool habitat for this species is absent from the APE and surrounding lands.
vernal pool tadpole shrimp *(Lepidurus packardi)*	FE	Occurs in vernal pools, clear to tea-colored water, in grass or mud-bottomed swales, and basalt depression pools.	**Absent**. Suitable vernal pool habitat for this species is absent from the APE and surrounding lands.
western mastiff bat *(Eumops perotis californicus)*	CSC	Found in open, arid to semi-arid habitats, including dry desert washes, flood plains, chaparral, oak woodland, open ponderosa pine forest, grassland, and agricultural areas, where it feeds on insects in flight. Roosts most commonly in crevices in cliff faces but may also use high buildings and tunnels.	**Possible.** Breeding habitat is absent from the APE and surrounding lands. The agricultural field could be used for nocturnal foraging.
western pond turtle *(Emys marmorata)*	CSC	An aquatic turtle of ponds, marshes, slow-moving rivers, streams, and irrigation ditches with riparian vegetation. Requires adequate basking sites and sandy banks or grassy open fields to deposit eggs.	**Absent**. Suitable aquatic habitat is absent from the APE and the vicinity. Upland habitat for nesting and wintering is absent.
western spadefoot *(Spea hammondii)*	CSC	Prefers open areas with sandy or gravelly soils, in a variety of habitats including mixed woodlands, grasslands, coastal sage scrub, chaparral, sandy washes, lowlands, river floodplains, alluvial fans, playas, alkali flats, foothills, and mountains. Vernal pools or temporary wetlands, lasting a minimum of three weeks, which do not contain bullfrogs, fish, or crayfish are necessary for breeding.	**Absent**. The highly disturbed habitats of the APE and surrounding lands are unsuitable for this species. Wetland or vernal pools for breeding and burrows for aestivation are absent from the APE. Based on recorded observations, this species likely occurs the uncultivated grasslands and vernal pools near Cross Creek and Cottonwood Creek, approximately 7.5 miles northeast of the Project.

Table 2. List of Special Status Plants with Potential to Occur Onsite and/or in the Vicinity

Species	Status	Habitat	Occurrence on APE
alkali-sink goldfields (*Lasthenia chrysantha*)	CNPS 1B	Found in vernal pool and wetland, saline habitats in the Central Valley of California. This facultative species grows at elevations below 650 feet. Blooms February – April.	**Absent**. Habitat required by this species is absent from the APE.
brittlescale *(Atriplex depressa)*	CNPS 1B	Found in the San Joaquin Valley and Sacramento Valley in alkaline or clay soils, typically in meadows or annual grassland in at elevations below 1050 feet. Sometimes associated with vernal pools. Blooms June–October.	**Absent**. The disturbed habitats of the APE are unsuitable for this species. The only regional recorded observations of this species are from historical collections and mapped over 10 miles from the APE.
California alkali grass *(Puccinellia simplex)*	CNPS 1B	Found in the San Joaquin Valley and other parts of California in saline flats and mineral springs within valley grassland and wetland-riparian communities at elevations below 3000 feet. Blooms March–May.	**Absent**. The disturbed habitats of the APE are unsuitable for this species. The only regional recorded observations of this species are either from historical collections or are mapped within vernal pool habitats adjacent to Cross Creek and Cottonwood creek.
Earlimart orache *(Atriplex cordulata var. erecticaulis)*	CNPS 1B	Found in the San Joaquin Valley in saline or alkaline soils, typically within valley and foothill grassland at elevations below 375 feet. Blooms August–September.	**Absent**. The disturbed habitats of the APE are unsuitable for this species. The nearest recorded observation of this species occurred in 1994 in alkali sink habitat 6.5 miles southeast of the APE.
heartscale *(Atriplex cordulata var. cordulata)*	CNPS 1B	Found in the San Joaquin Valley and Sacramento Valley in saline or alkaline soils within shadescale scrub, valley grassland, and wetland-riparian communities at elevations below 900 feet. Blooms June–July.	**Absent**. The disturbed habitats of the APE are unsuitable for this species. The only regional recorded observation of this species is from a historical (1938) collection mapped approximately 9.5 miles east-northeast of the APE.

Species	*Status*	*Habitat*	*Occurrence on APE*
lesser saltscale *(Atriplex minuscula)*	CNPS 1B	Found in the San Joaquin Valley in sandy, alkaline soils in alkali scrub, valley and foothill grassland, and alkali sink communities at elevations below 750 feet. Blooms April–October.	**Absent**. The disturbed habitats of the APE are unsuitable for this species. The nearest recorded observations of this species occurred in vernal pool habitat in the vicinity of Cross Creek.
mud nama (Nama stenocarpa)	CNPS 2B	This facultative wetland species is primarily found in marshes and swamps, and on riverbanks and lake shores. Occurs at elevations below 2,675 feet in southern California as well as the San Joaquin Valley. Blooms March – October.	**Absent**. Habitat required by this species is absent from the APE. The only regional recorded observation of this species occurred in 1999 approximately 7 miles southwest of the APE within a flood control channel.
recurved larkspur *(Delphinium recurvatum)*	CNPS 1B	Occurs in poorly drained, fine, alkaline soils in grassland and alakli scrub communities at elevations between 100 feet and 2600 feet. Blooms March–June.	**Absent**. The disturbed habitats of the APE are unsuitable for this species. The only regional recorded observation of this species is from a historical (1914) collection mapped approximately 5.5 miles southwest of the APE.
subtle orache *(Atriplex subtilis)*	CNPS 1B	Found in the San Joaquin Valley in saline depressions in alkaline soils within valley and foothill grassland communities at elevations below 330 feet. Blooms June–October.	**Absent**. The disturbed habitats of the APE are unsuitable for this species. The nearest recorded observation of this species occurred in 1994 in 6.5 miles southeast of the APE.

EXPLANATION OF OCCURRENCE DESIGNATIONS

Present:	Species observed on the site at time of field surveys or during recent past
Likely:	Species not observed on the site, but it may reasonably be expected to occur there on a regular basis
Possible:	Species not observed on the site, but it could occur there from time to time
Unlikely:	Species not observed on the site, and would not be expected to occur there except, perhaps, as a transient
Absent:	Species not observed on the site, and precluded from occurring there due to absence of suitable habitat

STATUS CODES

FE	Federally Endangered	CE	California Endangered
FT	Federally Threatened	CT	California Threatened
CCT	California Threatened (Candidate)	CFP	California Fully Protected
CSC	California Species of Special Concern	CWL	California Watch List
CR	California Rare		

CNPS RARE PLANT RANKS

1B	Plants Rare, Threatened, or Endangered in California and elsewhere
2B	Plants Rare, Threatened, or Endangered in California but more common elsewhere

III. Impacts and Mitigation

Significance Criteria

CEQA

General plans, area plans, and specific projects are subject to the provisions of CEQA. The purpose of CEQA is to assess the impacts of proposed projects on the environment prior to project implementation. Impacts to biological resources are just one type of environmental impact assessed under CEQA and vary from project to project in terms of scope and magnitude. Projects requiring removal of vegetation may result in the mortality or displacement of animals associated with this vegetation. Animals adapted to humans, roads, buildings, and pets may replace those species formerly occurring on a site. Plants and animals that are State and/or federally listed as threatened or endangered may be destroyed or displaced. Sensitive habitats such as wetlands and riparian woodlands may be altered or destroyed. Such impacts may be considered either "significant" or "less than significant" under CEQA. According to California Environmental Quality Act, Statute and Guidelines (AEP 2012), "significant 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 interest. Specific project impacts to biological resources may be considered "significant" if they would:

- 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 CDFW or USFWS;
- 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 CDFW or USFWS;
- Have a substantial adverse effect on federally protected wetlands as defined by Section 404 of the Clean Water Act (including, but not limited to, marsh, vernal pool, coastal, etc.) through direct removal, filling, hydrological interruption, or other means;
- 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;
- Conflict with any local policies or ordinances protecting biological resources, such as a tree preservation policy or ordinance; or
- Conflict with the provisions of an adopted Habitat Conservation Plan, Natural Community Conservation Plan, or other approved local, regional, or State habitat conservation plan.

Furthermore, CEQA Guidelines Section 15065(a) states that a project may trigger the requirement to make a "mandatory finding of significance" if the project has the potential to:

> "Substantially degrade the quality of the environment, substantially reduce the habitat of a fish or wildlife species, cause a fish or wildlife population to drop below self-sustaining levels, threaten to eliminate a plant or animal community, 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."

Relevant Goals, Policies, and Laws

Kings County General Plan

The 2035 Kings County General Plan sets forth the following goals and policies that protect biological resources and which have potential relevance to the Project:

- Preserve land that contains important natural plant and animal habitats;
- Require that development in or adjacent to important natural plant and animal habitats minimize the disruption of such habitats;
- Ensure that, in development decisions affecting riparian environments, the conservation of fish and wildlife habitat and the protection of scenic qualities are balanced with other purposes representing basic health, safety, and economic needs;
- Balance the protection of the County's diverse plant and animal communities with the County's
- economic needs;
- Require mitigation measures to protect important plant and wildlife habitats;
- Require as a primary objective in the review of development projects the preservation of healthy native oaks and other healthy native trees; and
- Maintain to the maximum extent practical the natural plant communities utilized as habitat by threatened and endangered species.

Threatened and Endangered Species

Permits may be required from the USFWS and/or CDFW if activities associated with a Project have the potential to result in the "take" of a species listed as threatened or endangered under the federal and/or State Endangered Species Acts. Take is defined by the State of California as "to hunt, pursue, catch, capture, or kill, or attempt to hunt, pursue, catch, capture or kill" (California Fish and Game Code, Section 86). Take is more broadly defined by the federal Endangered Species Act to include "harm" (16 United States Code, Section 1532(19), 50 Code of Federal Regulation, Section 17.3). The CDFW and the USFWS are responding agencies under CEQA. Both agencies review CEQA documents in order to determine the adequacy of their treatment of endangered species issues and to make project-specific recommendations for their conservation.

Designated Critical Habitat

When species are listed as threatened or endangered, the USFWS often designates areas of "Critical Habitat" as defined by section 3(5)(A) of the federal Endangered Species Act (ESA). Critical Habitat is a term defined in the ESA as a specific geographic area that contains features essential for the conservation of a threatened or endangered species and that may require special management and protection. Critical Habitat is a tool that supports the continued conservation of imperiled species by guiding cooperation with the federal government. Designations only affect federal agency actions or federally funded or permitted activities. Critical Habitat does not prevent activities that occur within the designated area. Only activities that involve a federal permit, license, or funding and are likely to destroy or adversely modify Critical Habitat would be affected.

Migratory Birds

The federal MBTA (16 USC 703-712) prohibits killing, possessing, or trading in any bird species covered in one of four international conventions to which the United States is a party, except in accordance with regulations prescribed by the Secretary of the Interior. The name of the act is misleading, as it actually covers almost all birds

native to the United States, even those that are non-migratory. The MBTA encompasses whole birds, parts of birds, and bird nests and eggs. Additionally, California Fish and Game Code makes it unlawful to take or possess any non-game bird covered by the MBTA (Section 3513), as well as any other native non-game bird (Section 3800).

Birds of Prey

Birds of prey are protected in California under provisions of Fish and Game Code (Section 3503.5), which states that it is unlawful to take, possess, or destroy any birds in the order Falconiformes (hawks and eagles) or Strigiformes (owls), as well as their nests and eggs. The bald eagle and golden eagle are afforded additional protection under the federal Bald and Golden Eagle Protection Act (16 USC 668), which makes it unlawful to kill birds or their eggs.

Nesting Birds

In California, protection is afforded to the nests and eggs of all birds. California Fish and Game Code (Section 3503) states that it is "unlawful to take, possess, or needlessly destroy the nest or eggs of any bird except as otherwise provided by this code or any regulation adopted pursuant thereto." Breeding-season disturbance that causes nest abandonment and/or loss of reproductive effort is considered a form of take by the CDFW.

Wetlands and other "Jurisdictional Waters"

Natural drainage channels and adjacent wetlands may be considered "waters of the United States" or "jurisdictional waters" subject to the jurisdiction of the USACE. The extent of jurisdiction has been defined in the Code of Federal Regulations but has also been subject to interpretation of the federal courts. Jurisdictional waters generally include:

- All waters which are currently used, or were used in the past, or may be susceptible to use in interstate or foreign commerce, including all waters which are subject to the ebb and flow of the tide;
- All interstate waters including interstate wetlands;
- All other waters such as intrastate lakes, rivers, streams (including intermittent streams), mudflats, sandflats, wetlands, sloughs, prairie potholes, wet meadows, playa lakes, or natural ponds, the use, degradation or destruction of which could affect interstate or foreign commerce;
- All impoundments of waters otherwise defined as waters of the United States under the definition; and
- Tributaries of waters identified in paragraphs (a)(1)-(4) (i.e. the bulleted items above).

As determined by the United States Supreme Court in its 2001 *Solid Waste Agency of Northern Cook County v. United States Army Corps of Engineers* (*SWANCC*) decision, channels and wetlands isolated from other jurisdictional waters cannot be considered jurisdictional on the basis of their use, hypothetical or observed, by migratory birds. Similarly, in its 2006 consolidated *Carabell/Rapanos* decision, the United States Supreme Court ruled that a significant nexus between a wetland and other navigable waters must exist for the wetland itself to be considered a navigable and therefore, jurisdictional water. Furthermore, the Supreme Court clarified that the Environmental Protection Agency (EPA) and the USACE would not assert jurisdiction over ditches excavated wholly in and draining only uplands and that do not carry a relatively permanent flow of water.

The USACE regulates the filling or grading of Waters of the United States under the authority of Section 404 of the Clean Water Act. The extent of jurisdiction within drainage channels is defined by the "ordinary high-water mark" on opposing channel banks. All activities that involve the discharge of dredge or fill material into Waters

of the United States are subject to the permit requirements of the USACE. Such permits are typically issued on the condition that the applicant agrees to provide mitigation that results in no net loss of wetland functions or values. No permit can be issued until the RWQCB issues a Section 401 Water Quality Certification (or waiver of such certification) verifying that the proposed activity would meet State water quality standards.

Under the Porter-Cologne Water Quality Control Act of 1969, the State Water Resources Control Board has regulatory authority to protect the water quality of all surface water and groundwater in the State of California ("Waters of the State"). Nine RWQCBs oversee water quality at the local and regional level. The RWQCB for a given region regulates discharges of fill or pollutants into Waters of the State through the issuance of various permits and orders. Discharges into Waters of the State that are also Waters of the United States require a Section 401 Water Quality Certification from the RWQCB as a prerequisite to obtaining certain federal permits, such as a Section 404 Clean Water Act permit. Discharges into all Waters of the State, even those that are not also Waters of the United States, require Waste Discharge Requirements (WDRs), or waivers of WDRs, from the RWQCB. The RWQCB also administers the Construction Storm Water Program and the federal National Pollution Discharge Elimination System (NPDES) program. Projects that disturb one or more acres of soil must obtain a Construction General Permit under the Construction Storm Water Program. A prerequisite for this permit is the development of a Storm Water Pollution Prevention Plan (SWPPP) by a certified Qualified SWPPP Developer. Projects that discharge wastewater, storm water, or other pollutants into a Water of the United States may require a NPDES permit.

CDFW has jurisdiction over the bed and bank of natural drainages and lakes according to provisions of Section 1601 and 1602 of the California Fish and Game Code. Activities that may substantially modify such waters through the diversion or obstruction of their natural flow, change or use of any material from their bed or bank, or the deposition of debris require a notification of lake or streambed alteration. If CDFW determines that the activity may adversely affect fish and wildlife resources, a Lake or Streambed Alteration Agreement would be prepared. Such an agreement typically stipulates that certain measures would be implemented to protect the habitat values of the lake or drainage in question.

Potentially Significant Project-Related Impacts and Mitigation

Species identified as candidate, sensitive, or special status species in local or regional plans policies or regulations by CDFW or the USFWS that have the potential to be impacted by the proposed Project are identified below with corresponding mitigation measures.

Project-Related Mortality and/or Disturbance of Nesting Raptors, Migratory Birds, and Special Status Birds (Including Swainson's Hawk, Merlin, and Mountain Plover)

Portions of the site contain marginal foraging habitat for several avian species, including the Swainson's hawk and tricolored blackbird. The site contains multiple eucalyptus trees, including one large enough for raptors to nest in. The residential lots also contain large eucalyptus trees and a few ornamental trees. Smaller avian species may nest within ornamental trees and shrubs in residential backyards. Ground-nesting birds, such as the killdeer could nest on the bare ground, and swallows could nest within buildings or structures in the vicinity.

Swainson's hawks are common in this portion of Kings County, and there are known nest trees within five miles of the APE . In the absence of preferred habitat, especially within the Central Valley, Swainson's hawks often nest within eucalyptus trees lining highways, and several raptor species nest within ornamental Mexican fan palms. Although nesting habitat onsite and in the vicinity is not ideal due to the absence of native riparian trees,

and foraging habitat is suboptimal, raptors, such as the special status Swainson's hawk could conceivably nest or forage near the APE. In the event that a Swainson's hawk or other avian species is foraging within the site during construction activities, the individual would be expected to fly away from disturbance they encounter, subsequently eliminating the risk of injury or mortality while foraging. Birds nesting within the site or on the ground could be injured or killed by Project activities. Furthermore, construction activities could disturb birds nesting within or adjacent to work areas, resulting in nest abandonment. Construction activities that adversely affect the nesting success of raptors and migratory birds or result in the mortality of individual birds constitute a violation of State and federal laws and are considered a significant impact under CEQA.

The APE is located within the historic and current distribution range for the special status tricolored blackbird. However, tricolored blackbirds are nearly extirpated from Kings County and very few sites have recently been occupied by a breeding colony in any given year. While suitable breeding habitat was not observed at the time of the field survey or during any of the site visits, the agricultural field onsite could be utilized for a as foraging habitat for this species. Although it seems unlikely, if a breeding colony of tricolored blackbirds were present within the field planned for construction, nests could be disturbed or destroyed, resulting in nest abandonment and reproductive failure.

As previously mentioned, due to the ruderal nature of the lands, nesting and foraging habitat for raptors, resident and migratory birds, and special status birds within the APE is marginal, at best. Habitat of higher foraging and nesting value is regionally abundant. Therefore, the development resulting from implementation of the Project would not be considered a significant loss of foraging or nesting habitat under CEQA.

Nesting bird season is generally accepted as February 1 through August 31; however, Swainson's hawk nesting season is generally accepted as March 1 through September 15. For simplicity, these timeframes have been combined.

Implementation of the following measures would reduce potential impacts to nesting raptors, migratory birds, and special status birds, including Swainson's hawk and tricolored blackbird to a less than significant level under CEQA, and would ensure compliance with State and federal laws protecting these avian species.

> **Mitigation.** The following measures would be implemented prior to the start of construction:
>
> ***Mitigation Measure 3.3.1a (Avoidance):*** The Project's construction activities shall occur, if feasible, between September 16 and January 31 (outside of nesting bird season) in an effort to avoid impacts to nesting birds.
>
> ***Mitigation Measure 3.3.1b (Pre-construction Surveys):*** If activities must occur within nesting bird season (February 1 to September 15), a qualified biologist shall conduct pre-construction surveys for active nests within ten (10) days prior to the start of construction. The survey shall include the proposed work area and surrounding lands within 0.5 mile. If no active nests are observed, no further mitigation is required. Raptor nests are considered "active" upon the nest-building stage.
>
> ***Mitigation Measure 3.3.1c (Establish Buffers):*** On discovery of any active nests or breeding colonies near work areas, the biologist shall determine appropriate construction setback distances based on applicable CDFW and/or USFWS guidelines and/or the biology of the species in question. Specifically, a 300-foot disturbance-free buffer shall be implemented around breeding colonies of tricolored

blackbird, and a 0.5-mile disturbance-free buffer shall be implemented around active Swainson's hawk nests, if feasible. Construction buffers shall be identified with flagging, fencing, or other easily visible means, and shall be maintained until the biologist has determined that the nestlings have fledged.

Mitigation Measure 3.3.1d (WEAP Training): On discovery of any special status bird species, all personnel associated with Project construction shall attend mandatory Worker Environmental Awareness Program (WEAP) training, conducted by a qualified biologist, prior to initiating construction activities (including staging and mobilization). The specifics of this program shall include identification of the special status species and suitable habitats, a description of the regulatory status and general ecological characteristics of the species, and review of the limits of construction and mitigation measures required to reduce impacts to biological resources within the work area. A fact sheet conveying this information, along with photographs or illustrations of the special status species, shall also be prepared for distribution to all contractors, their employees, and all other personnel involved with construction of the Project. All employees shall sign a form documenting that they have attended WEAP training and understand the information presented to them.

Determinations of potential impacts to Swainson's hawks and tricolored blackbirds as well as appropriate mitigation measures are consistent with the conditional use permit (CUP) letter from CDFW received on July 1, 2020. The letter also determined that the Project could potentially impact burrowing owls and recommended specific burrowing owl mitigation measures. However, the reconnaissance survey, as well as the review of CNDDB and aerial imagery, provided the determination that burrowing owls will not be impacted by the Project. The proximity of the Project to the current active fire station (e.g. sirens 24/7) and highly trafficked roads are not conducive to burrowing owl habitat. Other factors that support this determination include the regularly disced vacant lots in the vicinity of the APE, and the large trees within and adjacent to the APE which can serve as perches for predators. Therefore, burrowing owl mitigation measures are not warranted.

Project-Related Impacts to Special Status Bats

Although roosting and breeding habitat is absent, after the site is harvested the fallow field could serve as marginal foraging habitat for bats, including the western mastiff bat. If a special status bat were foraging onsite, it could be injured or killed by construction activities. Projects that adversely affect the reproductive success of special status species or result in the mortality of special status species are considered a violation of State and federal laws and are considered a potentially significant impact under CEQA.

Implementation of the following measure would reduce potential impacts to foraging special status bats to a less-than-significant-level under CEQA and would ensure compliance with State and federal laws protecting this species.

Mitigation. The following measures would be implemented during or prior to the start of construction:

Mitigation Measure 3.3.2a (Operational Hours): Construction activities shall be limited to daylight hours to reduce potential impacts to special status bats that could be foraging onsite.

Less Than Significant Project-Related Impacts

Project-Related Impacts to Special Status Plant Species

Nine special status plant species have been documented in the APE , including alkali-sink goldfields, brittlescale, California alkali grass, Earlimart orache, heartscale, lesser saltscale, mud nama, recurved larkspur, and subtle orache. None of these species were observed during the biological survey. As explained in Table 2, all of the aforementioned special status plant species are absent from the APE due to past and ongoing disturbance and/or the absence of suitable habitat. Therefore, the implementation of the Project would have no effect on individual plants or regional populations of these special status plant species. Mitigation measures are not warranted.

Project-Related Impacts to Special Status Animal Species Absent From, or Unlikely to Occur on, the APE

Of the 13 regionally occurring special status species, ten are considered absent or unlikely to occur within the APE due to past or ongoing disturbance and/or absence of suitable habitat. As explained in Table 1, the following species were deemed absent from the APE : blunt-nosed leopard lizard, California tiger salamander, Tipton kangaroo rat, vernal pool fairy shrimp, vernal pool tadpole shrimp, western pond turtle, and western spadefoot toad, and the following species were deemed unlikely to occur within the APE : burrowing owl, loggerhead shrike, and San Joaquin kit fox. Therefore, implementation of the Project would have no impact on these ten special status species through construction mortality, disturbance, or loss of habitat. Mitigation measures are not warranted. The remaining three species were not observed during the field survey but may possibly use the site for nesting or foraging. Appropriate mitigation measures to be implemented are discussed above.

Project-Related Impacts to Wildlife Movement Corridors

The APE does not contain features that would be likely to function as wildlife movement corridors. Wildlife may pass through the APE ; however, this does not qualify the site as a movement corridor. Disturbance from the fire station, residential lots, and the Kings Waste and Recycling Authority would discourage regular dispersal movements through this site. Furthermore, the Project is located in a region often disturbed by intensive agricultural cultivation practices would also discourage dispersal and migration. Therefore, implementation of the Project would have no impact on wildlife movement corridors. Mitigation is not warranted.

Project-Related Impacts to Critical Habitat

Designated critical habitat is absent from the APE and surrounding lands. Therefore, there would be no impact to critical habitat, and mitigation is not warranted.

Local Policies or Habitat Conservation Plans

Proposed Project design appears to be consistent with the goals and policies of the Kings County General Plan. There are no known habitat conservation plans in the APE . Mitigation is not warranted.

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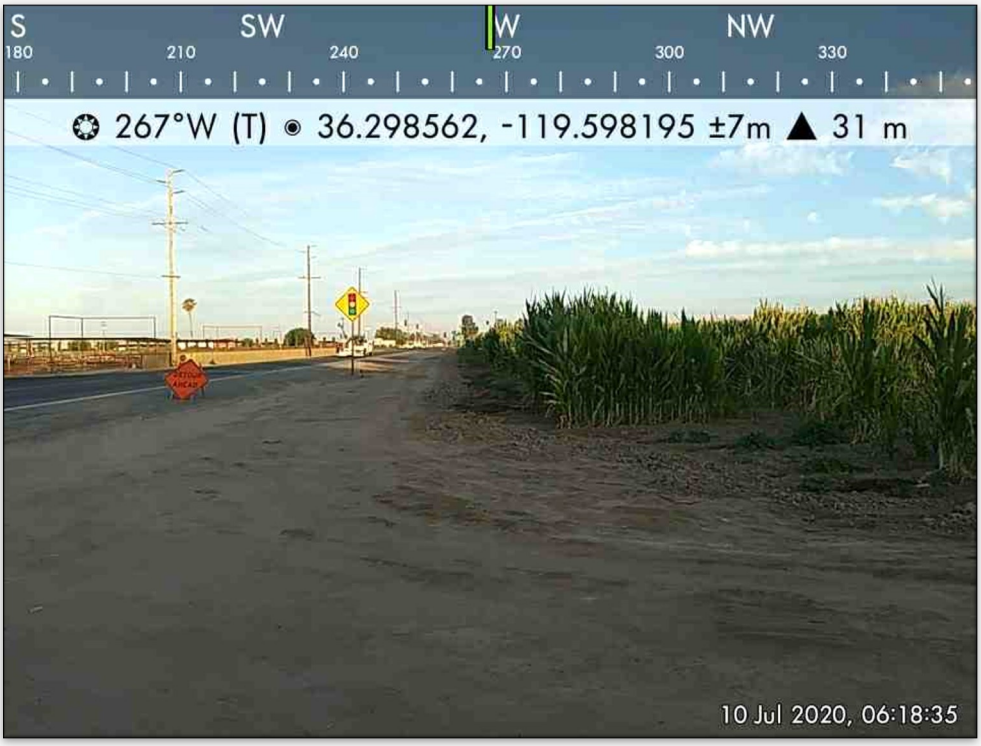
Appendix A: Study Area Photos

COUNTY OF KINGS

NEW FIRE STATION PROJECT

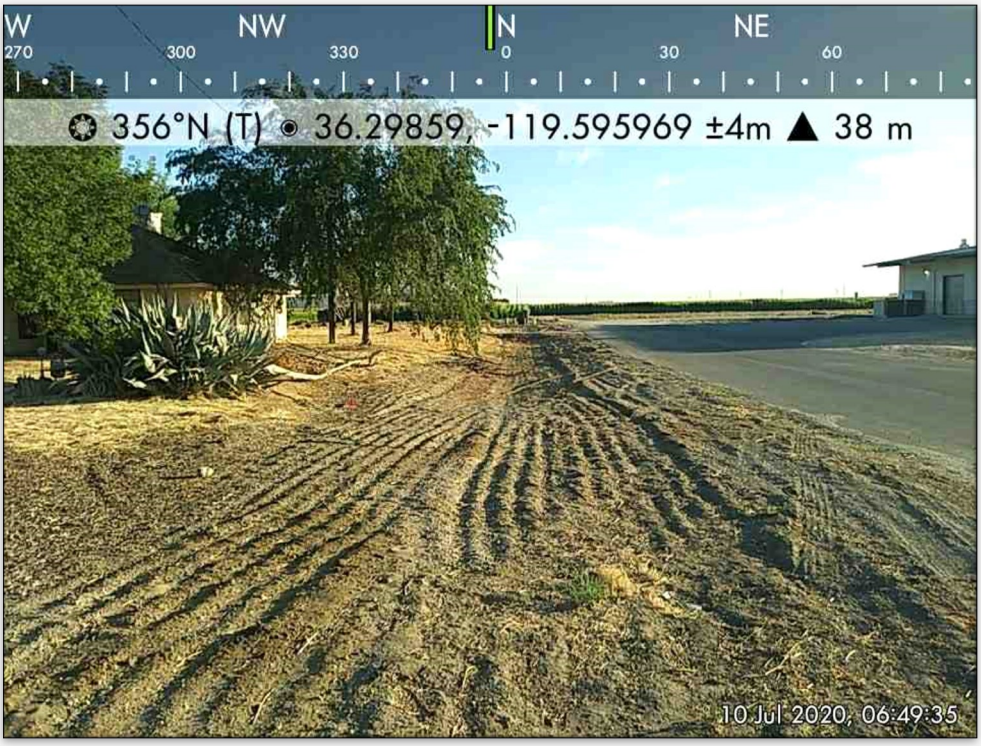


Photograph 1

Overview of southern edge of the Project site. Houston Avenue and feed lot visible on the left.

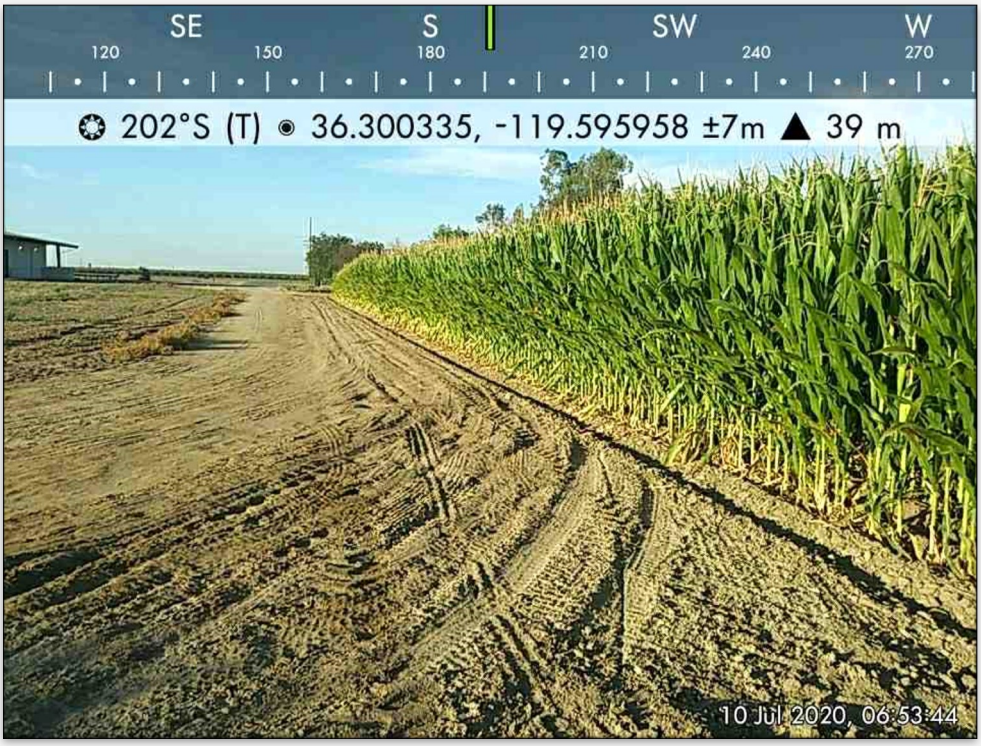
Photograph 2

Overview of access road towards the Kings Waste and Recycling Authority. An unoccupied owl box is visible in the background.



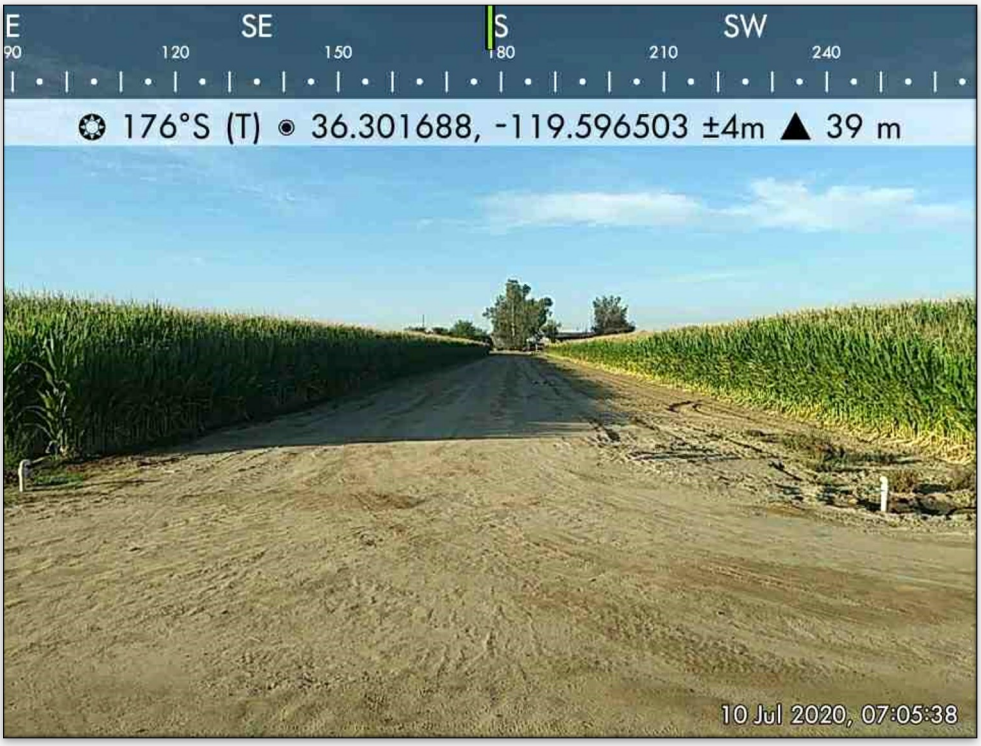
Photograph 3

Overview of eastern access road to Houston Avenue. Residential lot is visible to the left. A building associated with the old Kings County fire station visible to the right.



Photograph 4

Overview of eastern access road to Houston Avenue from the northeast corner of the Project site.

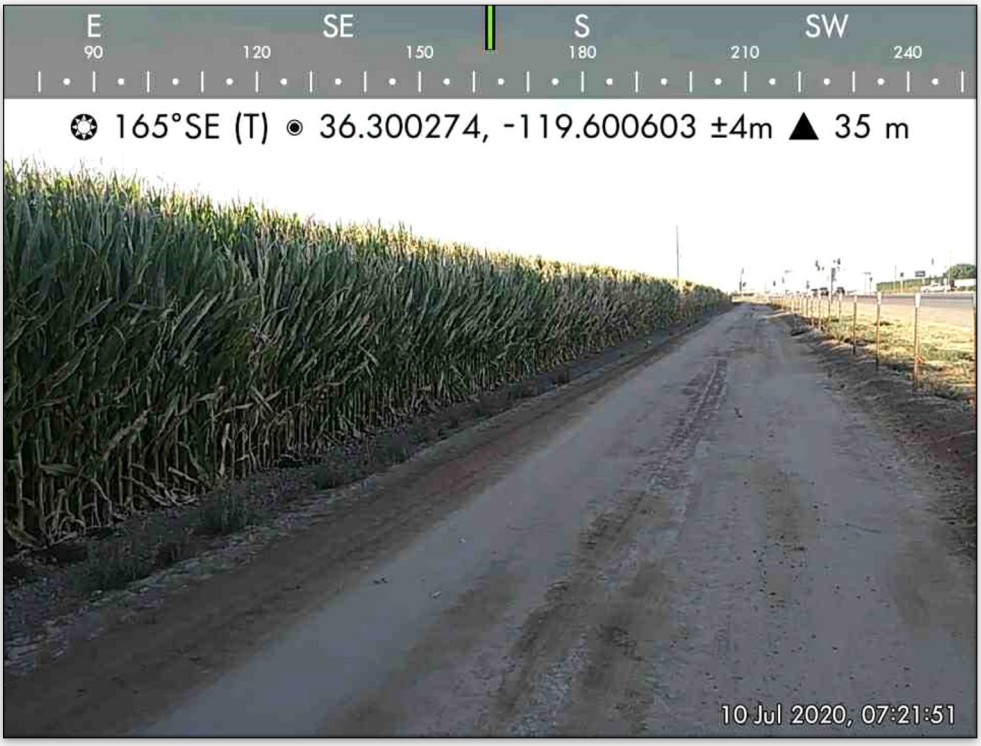


Photograph 5

Overview of the access road to the Kings Waste and Recycling Authority from the northmost point of the Project site.

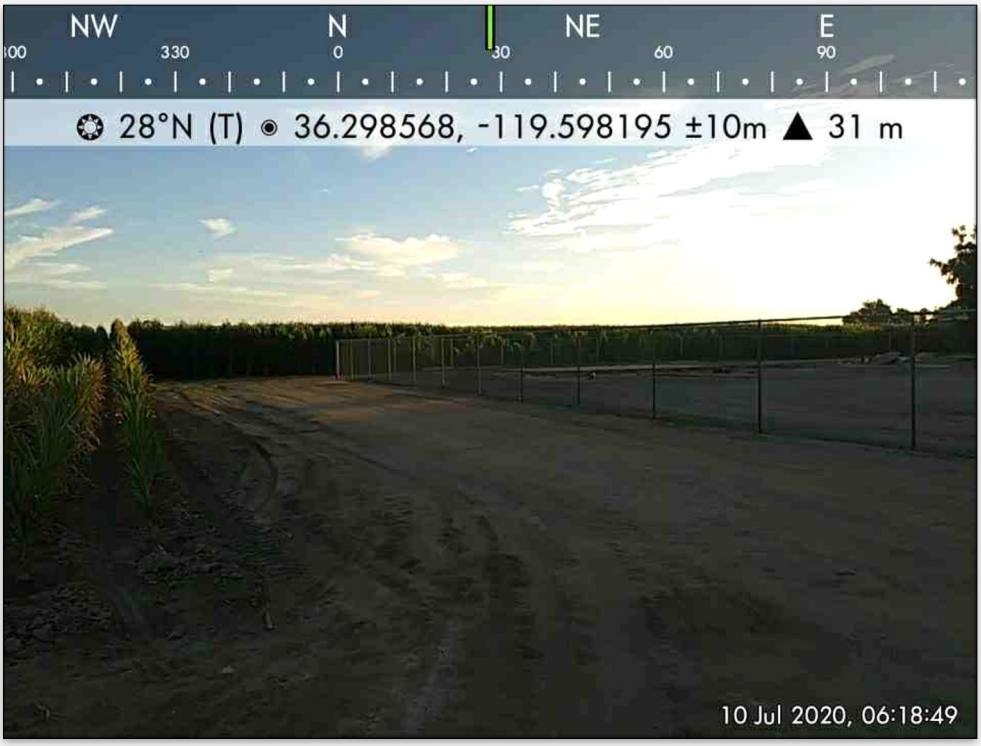
Photograph 6

Overview of the southern edge of the Project site facing east. Houston Avenue is visible to the right.



Photograph 7

Overview of eastern edge of the Project site. California State Route 43 is visible to the right.

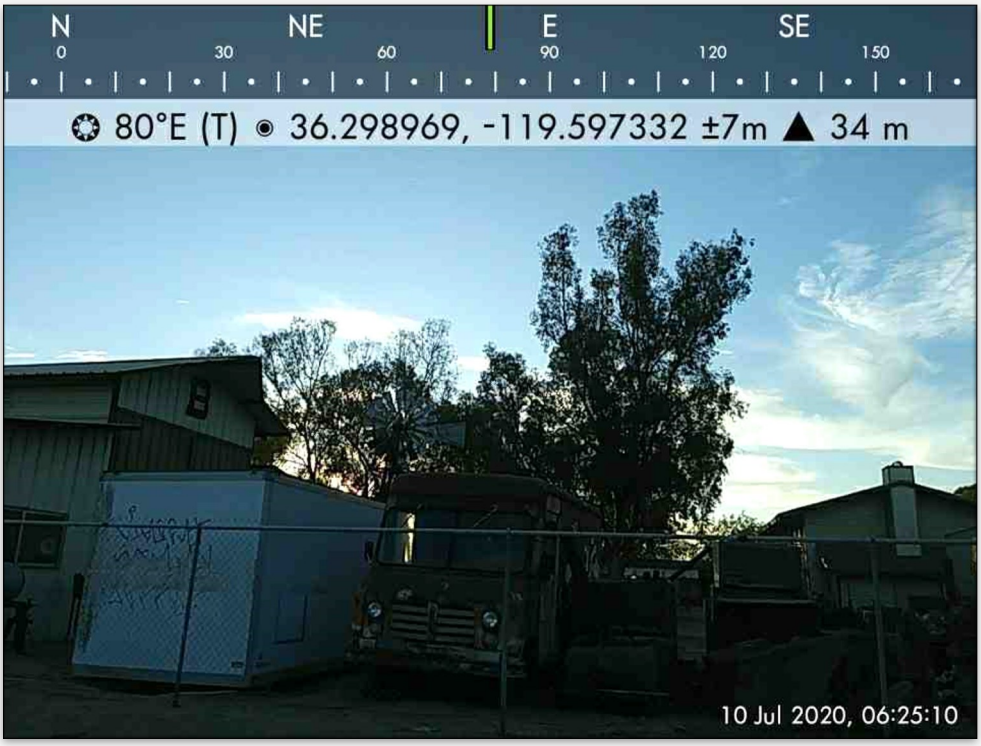


Photograph 8

Overview of the perimeter of the Project site facing north-northeast. The corn field which occupied the majority of the site at the time of the survey is visible. A residential lot is visible behind the chain link fence to the right.

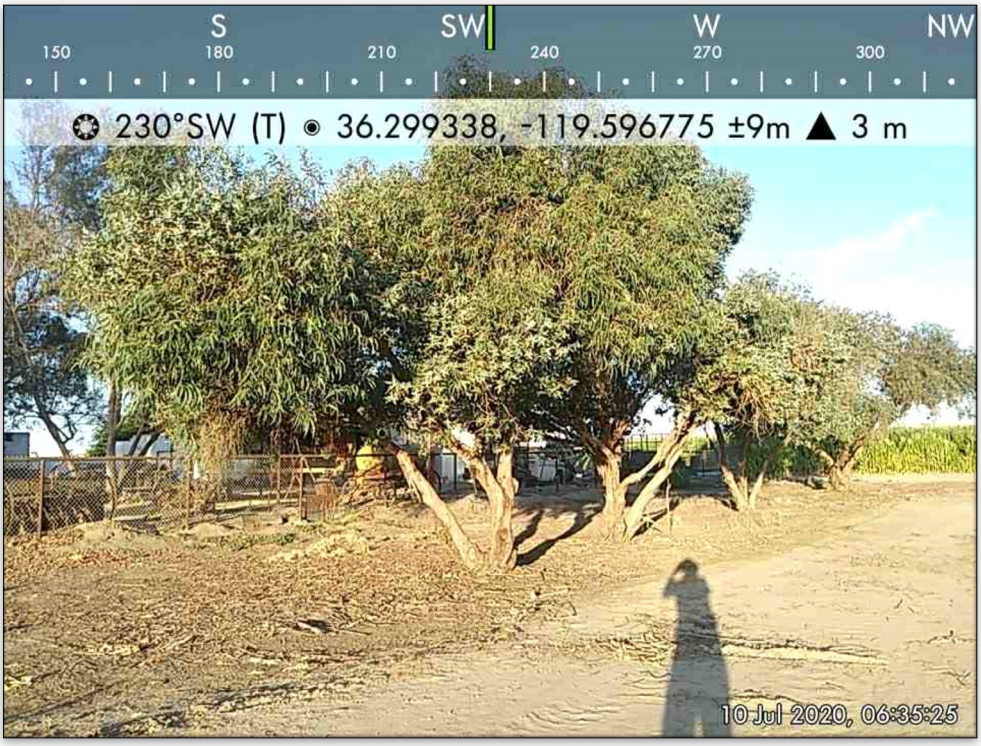
Photograph 9

Overview of the perimeter of the Project site facing west-northwest.



Photograph 10

Overview of one of the residential lots located directly adjacent to the Project site. Large eucalyptus trees are visible in the background.



Photograph 11

Overview the young eucalyptus trees inside the project APE boundary. A residential lot is visible in the background.

Photograph 12

Overview of the ruderal lot inside the project APE boundary. Debris and trash are visible.

Appendix B: CNDDB Quad Search

COUNTY OF KINGS

NEW FIRE STATION PROJECT

Selected Elements by Common Name

California Department of Fish and Wildlife

California Natural Diversity Database

Query Criteria: Quad IS (Remnoy (3611935) OR Hanford (3611936) OR Goshen (3611934) OR Laton (3611946) OR Traver (3611944) OR Burris Park (3611945) OR Waukena (3611925) OR Guernsey (3611926) OR Paige (3611924))

Species	Element Code	Federal Status	State Status	Global Rank	State Rank	Rare Plant Rank/CDFW SSC or FP
alkali-sink goldfields *Lasthenia chrysantha*	PDAST5L030	None	None	GNR	SNR	1B.1
blunt-nosed leopard lizard *Gambelia sila*	ARACF07010	Endangered	Endangered	G1	S1	FP
brittlescale *Atriplex depressa*	PDCHE042L0	None	None	G2	S2	1B.2
burrowing owl *Athene cunicularia*	ABNSB10010	None	None	G4	S3	SSC
California alkali grass *Puccinellia simplex*	PMPOA53110	None	None	G3	S2	1B.2
California linderiella *Linderiella occidentalis*	ICBRA06010	None	None	G2G3	S2S3	
California tiger salamander *Ambystoma californiense*	AAAAA01180	Threatened	Threatened	G2G3	S2S3	WL
Earlimart orache *Atriplex cordulata var. erecticaulis*	PDCHE042V0	None	None	G3T1	S1	1B.2
heartscale *Atriplex cordulata var. cordulata*	PDCHE040B0	None	None	G3T2	S2	1B.2
hoary bat *Lasiurus cinereus*	AMACC05030	None	None	G5	S4	
lesser saltscale *Atriplex minuscula*	PDCHE042M0	None	None	G2	S2	1B.1
loggerhead shrike *Lanius ludovicianus*	ABPBR01030	None	None	G4	S4	SSC
mud nama *Nama stenocarpa*	PDHYD0A0H0	None	None	G4G5	S1S2	2B.2
Northern Claypan Vernal Pool *Northern Claypan Vernal Pool*	CTT44120CA	None	None	G1	S1.1	
recurved larkspur *Delphinium recurvatum*	PDRAN0B1J0	None	None	G2?	S2?	1B.2
San Joaquin kit fox *Vulpes macrotis mutica*	AMAJA03041	Endangered	Threatened	G4T2	S2	
San Joaquin tiger beetle *Cicindela tranquebarica ssp.*	IICOL0220E	None	None	G5T1	S1	
subtle orache *Atriplex subtilis*	PDCHE042T0	None	None	G1	S1	1B.2
Swainson's hawk *Buteo swainsoni*	ABNKC19070	None	Threatened	G5	S3	

Selected Elements by Common Name

California Department of Fish and Wildlife

California Natural Diversity Database

Species	Element Code	Federal Status	State Status	Global Rank	State Rank	Rare Plant Rank/CDFW SSC or FP
Tipton kangaroo rat *Dipodomys nitratoides nitratoides*	AMAFD03152	Endangered	Endangered	G3T1T2	S1S2	
tricolored blackbird *Agelaius tricolor*	ABPBXB0020	None	Threatened	G2G3	S1S2	SSC
Valley Sacaton Grassland *Valley Sacaton Grassland*	CTT42120CA	None	None	G1	S1.1	
vernal pool fairy shrimp *Branchinecta lynchi*	ICBRA03030	Threatened	None	G3	S3	
vernal pool tadpole shrimp *Lepidurus packardi*	ICBRA10010	Endangered	None	G4	S3S4	
western mastiff bat *Eumops perotis californicus*	AMACD02011	None	None	G5T4	S3S4	SSC
western pond turtle *Emys marmorata*	ARAAD02030	None	None	G3G4	S3	SSC
western spadefoot *Spea hammondii*	AAABF02020	None	None	G3	S3	SSC

Record Count: 27

Appendix C: NRCS Soils Report

COUNTY OF KINGS

NEW FIRE STATION PROJECT

United States Department of Agriculture

NRCS

Natural Resources Conservation Service

A product of the National Cooperative Soil Survey, a joint effort of the United States Department of Agriculture and other Federal agencies, State agencies including the Agricultural Experiment Stations, and local participants

Custom Soil Resource Report for Kings County, California

August 11, 2020

Preface

Soil surveys contain information that affects land use planning in survey areas. They highlight soil limitations that affect various land uses and provide information about the properties of the soils in the survey areas. Soil surveys are designed for many different users, including farmers, ranchers, foresters, agronomists, urban planners, community officials, engineers, developers, builders, and home buyers. Also, conservationists, teachers, students, and specialists in recreation, waste disposal, and pollution control can use the surveys to help them understand, protect, or enhance the environment.

Various land use regulations of Federal, State, and local governments may impose special restrictions on land use or land treatment. Soil surveys identify soil properties that are used in making various land use or land treatment decisions. The information is intended to help the land users identify and reduce the effects of soil limitations on various land uses. The landowner or user is responsible for identifying and complying with existing laws and regulations.

Although soil survey information can be used for general farm, local, and wider area planning, onsite investigation is needed to supplement this information in some cases. Examples include soil quality assessments (http://www.nrcs.usda.gov/wps/portal/nrcs/main/soils/health/) and certain conservation and engineering applications. For more detailed information, contact your local USDA Service Center (https://offices.sc.egov.usda.gov/locator/app?agency=nrcs) or your NRCS State Soil Scientist (http://www.nrcs.usda.gov/wps/portal/nrcs/detail/soils/contactus/?cid=nrcs142p2_053951).

Great differences in soil properties can occur within short distances. Some soils are seasonally wet or subject to flooding. Some are too unstable to be used as a foundation for buildings or roads. Clayey or wet soils are poorly suited to use as septic tank absorption fields. A high water table makes a soil poorly suited to basements or underground installations.

The National Cooperative Soil Survey is a joint effort of the United States Department of Agriculture and other Federal agencies, State agencies including the Agricultural Experiment Stations, and local agencies. The Natural Resources Conservation Service (NRCS) has leadership for the Federal part of the National Cooperative Soil Survey.

Information about soils is updated periodically. Updated information is available through the NRCS Web Soil Survey, the site for official soil survey information.

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How Soil Surveys Are Made

Soil surveys are made to provide information about the soils and miscellaneous areas in a specific area. They include a description of the soils and miscellaneous areas and their location on the landscape and tables that show soil properties and limitations affecting various uses. Soil scientists observed the steepness, length, and shape of the slopes; the general pattern of drainage; the kinds of crops and native plants; and the kinds of bedrock. They observed and described many soil profiles. A soil profile is the sequence of natural layers, or horizons, in a soil. The profile extends from the surface down into the unconsolidated material in which the soil formed or from the surface down to bedrock. The unconsolidated material is devoid of roots and other living organisms and has not been changed by other biological activity.

Currently, soils are mapped according to the boundaries of major land resource areas (MLRAs). MLRAs are geographically associated land resource units that share common characteristics related to physiography, geology, climate, water resources, soils, biological resources, and land uses (USDA, 2006). Soil survey areas typically consist of parts of one or more MLRA.

The soils and miscellaneous areas in a survey area occur in an orderly pattern that is related to the geology, landforms, relief, climate, and natural vegetation of the area. Each kind of soil and miscellaneous area is associated with a particular kind of landform or with a segment of the landform. By observing the soils and miscellaneous areas in the survey area and relating their position to specific segments of the landform, a soil scientist develops a concept, or model, of how they were formed. Thus, during mapping, this model enables the soil scientist to predict with a considerable degree of accuracy the kind of soil or miscellaneous area at a specific location on the landscape.

Commonly, individual soils on the landscape merge into one another as their characteristics gradually change. To construct an accurate soil map, however, soil scientists must determine the boundaries between the soils. They can observe only a limited number of soil profiles. Nevertheless, these observations, supplemented by an understanding of the soil-vegetation-landscape relationship, are sufficient to verify predictions of the kinds of soil in an area and to determine the boundaries.

Soil scientists recorded the characteristics of the soil profiles that they studied. They noted soil color, texture, size and shape of soil aggregates, kind and amount of rock fragments, distribution of plant roots, reaction, and other features that enable them to identify soils. After describing the soils in the survey area and determining their properties, the soil scientists assigned the soils to taxonomic classes (units). Taxonomic classes are concepts. Each taxonomic class has a set of soil characteristics with precisely defined limits. The classes are used as a basis for comparison to classify soils systematically. Soil taxonomy, the system of taxonomic classification used in the United States, is based mainly on the kind and character of soil properties and the arrangement of horizons within the profile. After the soil

scientists classified and named the soils in the survey area, they compared the individual soils with similar soils in the same taxonomic class in other areas so that they could confirm data and assemble additional data based on experience and research.

The objective of soil mapping is not to delineate pure map unit components; the objective is to separate the landscape into landforms or landform segments that have similar use and management requirements. Each map unit is defined by a unique combination of soil components and/or miscellaneous areas in predictable proportions. Some components may be highly contrasting to the other components of the map unit. The presence of minor components in a map unit in no way diminishes the usefulness or accuracy of the data. The delineation of such landforms and landform segments on the map provides sufficient information for the development of resource plans. If intensive use of small areas is planned, onsite investigation is needed to define and locate the soils and miscellaneous areas.

Soil scientists make many field observations in the process of producing a soil map. The frequency of observation is dependent upon several factors, including scale of mapping, intensity of mapping, design of map units, complexity of the landscape, and experience of the soil scientist. Observations are made to test and refine the soil-landscape model and predictions and to verify the classification of the soils at specific locations. Once the soil-landscape model is refined, a significantly smaller number of measurements of individual soil properties are made and recorded. These measurements may include field measurements, such as those for color, depth to bedrock, and texture, and laboratory measurements, such as those for content of sand, silt, clay, salt, and other components. Properties of each soil typically vary from one point to another across the landscape.

Observations for map unit components are aggregated to develop ranges of characteristics for the components. The aggregated values are presented. Direct measurements do not exist for every property presented for every map unit component. Values for some properties are estimated from combinations of other properties.

While a soil survey is in progress, samples of some of the soils in the area generally are collected for laboratory analyses and for engineering tests. Soil scientists interpret the data from these analyses and tests as well as the field-observed characteristics and the soil properties to determine the expected behavior of the soils under different uses. Interpretations for all of the soils are field tested through observation of the soils in different uses and under different levels of management. Some interpretations are modified to fit local conditions, and some new interpretations are developed to meet local needs. Data are assembled from other sources, such as research information, production records, and field experience of specialists. For example, data on crop yields under defined levels of management are assembled from farm records and from field or plot experiments on the same kinds of soil.

Predictions about soil behavior are based not only on soil properties but also on such variables as climate and biological activity. Soil conditions are predictable over long periods of time, but they are not predictable from year to year. For example, soil scientists can predict with a fairly high degree of accuracy that a given soil will have a high water table within certain depths in most years, but they cannot predict that a high water table will always be at a specific level in the soil on a specific date.

After soil scientists located and identified the significant natural bodies of soil in the survey area, they drew the boundaries of these bodies on aerial photographs and

identified each as a specific map unit. Aerial photographs show trees, buildings, fields, roads, and rivers, all of which help in locating boundaries accurately.

Soil Map

The soil map section includes the soil map for the defined area of interest, a list of soil map units on the map and extent of each map unit, and cartographic symbols displayed on the map. Also presented are various metadata about data used to produce the map, and a description of each soil map unit.

Custom Soil Resource Report
Soil Map

Map Scale: 1:3,470 if printed on A landscape (11" x 8.5") sheet.

N

Meters: 0 50 100 200 300

Feet: 0 150 300 600 900

Map projection: Web Mercator Corner coordinates: WGS84 Edge tics: UTM Zone 11N WGS84

MAP LEGEND

Area of Interest (AOI)
- Area of Interest (AOI)

Soils
- Soil Map Unit Polygons
- Soil Map Unit Lines
- Soil Map Unit Points

Special Point Features
- Blowout
- Borrow Pit
- Clay Spot
- Closed Depression
- Gravel Pit
- Gravelly Spot
- Landfill
- Lava Flow
- Marsh or swamp
- Mine or Quarry
- Miscellaneous Water
- Perennial Water
- Rock Outcrop
- Saline Spot
- Sandy Spot
- Severely Eroded Spot
- Sinkhole
- Slide or Slip
- Sodic Spot
- Spoil Area
- Stony Spot
- Very Stony Spot
- Wet Spot
- Other
- Special Line Features

Water Features
- Streams and Canals

Transportation
- Rails
- Interstate Highways
- US Routes
- Major Roads
- Local Roads

Background
- Aerial Photography

MAP INFORMATION

The soil surveys that comprise your AOI were mapped at 1:24,000.

Warning: Soil Map may not be valid at this scale.

Enlargement of maps beyond the scale of mapping can cause misunderstanding of the detail of mapping and accuracy of soil line placement. The maps do not show the small areas of contrasting soils that could have been shown at a more detailed scale.

Please rely on the bar scale on each map sheet for map measurements.

Source of Map: Natural Resources Conservation Service
Web Soil Survey URL:
Coordinate System: Web Mercator (EPSG:3857)

Maps from the Web Soil Survey are based on the Web Mercator projection, which preserves direction and shape but distorts distance and area. A projection that preserves area, such as the Albers equal-area conic projection, should be used if more accurate calculations of distance or area are required.

This product is generated from the USDA-NRCS certified data as of the version date(s) listed below.

Soil Survey Area: Kings County, California
Survey Area Data: Version 16, May 29, 2020

Soil map units are labeled (as space allows) for map scales 1:50,000 or larger.

Date(s) aerial images were photographed: Mar 17, 2019—Mar 24, 2019

The orthophoto or other base map on which the soil lines were compiled and digitized probably differs from the background imagery displayed on these maps. As a result, some minor shifting of map unit boundaries may be evident.

Map Unit Legend

Map Unit Symbol	Map Unit Name	Acres in AOI	Percent of AOI
130	Kimberlina fine sandy loam, saline-alkali	15.6	100.0%
Totals for Area of Interest		**15.6**	**100.0%**

Map Unit Descriptions

The map units delineated on the detailed soil maps in a soil survey represent the soils or miscellaneous areas in the survey area. The map unit descriptions, along with the maps, can be used to determine the composition and properties of a unit.

A map unit delineation on a soil map represents an area dominated by one or more major kinds of soil or miscellaneous areas. A map unit is identified and named according to the taxonomic classification of the dominant soils. Within a taxonomic class there are precisely defined limits for the properties of the soils. On the landscape, however, the soils are natural phenomena, and they have the characteristic variability of all natural phenomena. Thus, the range of some observed properties may extend beyond the limits defined for a taxonomic class. Areas of soils of a single taxonomic class rarely, if ever, can be mapped without including areas of other taxonomic classes. Consequently, every map unit is made up of the soils or miscellaneous areas for which it is named and some minor components that belong to taxonomic classes other than those of the major soils.

Most minor soils have properties similar to those of the dominant soil or soils in the map unit, and thus they do not affect use and management. These are called noncontrasting, or similar, components. They may or may not be mentioned in a particular map unit description. Other minor components, however, have properties and behavioral characteristics divergent enough to affect use or to require different management. These are called contrasting, or dissimilar, components. They generally are in small areas and could not be mapped separately because of the scale used. Some small areas of strongly contrasting soils or miscellaneous areas are identified by a special symbol on the maps. If included in the database for a given area, the contrasting minor components are identified in the map unit descriptions along with some characteristics of each. A few areas of minor components may not have been observed, and consequently they are not mentioned in the descriptions, especially where the pattern was so complex that it was impractical to make enough observations to identify all the soils and miscellaneous areas on the landscape.

The presence of minor components in a map unit in no way diminishes the usefulness or accuracy of the data. The objective of mapping is not to delineate pure taxonomic classes but rather to separate the landscape into landforms or landform segments that have similar use and management requirements. The delineation of such segments on the map provides sufficient information for the development of resource plans. If intensive use of small areas is planned, however, onsite investigation is needed to define and locate the soils and miscellaneous areas.

An identifying symbol precedes the map unit name in the map unit descriptions. Each description includes general facts about the unit and gives important soil properties and qualities.

Soils that have profiles that are almost alike make up a *soil series*. Except for differences in texture of the surface layer, all the soils of a series have major horizons that are similar in composition, thickness, and arrangement.

Soils of one series can differ in texture of the surface layer, slope, stoniness, salinity, degree of erosion, and other characteristics that affect their use. On the basis of such differences, a soil series is divided into *soil phases*. Most of the areas shown on the detailed soil maps are phases of soil series. The name of a soil phase commonly indicates a feature that affects use or management. For example, Alpha silt loam, 0 to 2 percent slopes, is a phase of the Alpha series.

Some map units are made up of two or more major soils or miscellaneous areas. These map units are complexes, associations, or undifferentiated groups.

A *complex* consists of two or more soils or miscellaneous areas in such an intricate pattern or in such small areas that they cannot be shown separately on the maps. The pattern and proportion of the soils or miscellaneous areas are somewhat similar in all areas. Alpha-Beta complex, 0 to 6 percent slopes, is an example.

An *association* is made up of two or more geographically associated soils or miscellaneous areas that are shown as one unit on the maps. Because of present or anticipated uses of the map units in the survey area, it was not considered practical or necessary to map the soils or miscellaneous areas separately. The pattern and relative proportion of the soils or miscellaneous areas are somewhat similar. Alpha-Beta association, 0 to 2 percent slopes, is an example.

An *undifferentiated group* is made up of two or more soils or miscellaneous areas that could be mapped individually but are mapped as one unit because similar interpretations can be made for use and management. The pattern and proportion of the soils or miscellaneous areas in a mapped area are not uniform. An area can be made up of only one of the major soils or miscellaneous areas, or it can be made up of all of them. Alpha and Beta soils, 0 to 2 percent slopes, is an example.

Some surveys include *miscellaneous areas*. Such areas have little or no soil material and support little or no vegetation. Rock outcrop is an example.

Kings County, California

130—Kimberlina fine sandy loam, saline-alkali

Map Unit Setting

National map unit symbol: hhjh
Elevation: 190 to 3,500 feet
Mean annual precipitation: 4 to 8 inches
Mean annual air temperature: 61 to 64 degrees F
Frost-free period: 210 to 300 days
Farmland classification: Farmland of statewide importance

Map Unit Composition

Kimberlina and similar soils: 85 percent
Minor components: 15 percent
Estimates are based on observations, descriptions, and transects of the mapunit.

Description of Kimberlina

Setting

Landform: Alluvial fans
Landform position (two-dimensional): Footslope
Landform position (three-dimensional): Tread
Down-slope shape: Linear
Across-slope shape: Linear
Parent material: Alluvium derived from igneous and sedimentary rock

Typical profile

Ap - 0 to 8 inches: fine sandy loam
C - 8 to 60 inches: fine sandy loam

Properties and qualities

Slope: 0 to 2 percent
Depth to restrictive feature: More than 80 inches
Drainage class: Well drained
Runoff class: Medium
Capacity of the most limiting layer to transmit water (Ksat): Moderately high (0.20 to 0.57 in/hr)
Depth to water table: More than 80 inches
Frequency of flooding: None
Frequency of ponding: None
Calcium carbonate, maximum content: 5 percent
Maximum salinity: Slightly saline to moderately saline (4.0 to 8.0 mmhos/cm)
Sodium adsorption ratio, maximum: 25.0
Available water capacity: Very low (about 3.0 inches)

Interpretive groups

Land capability classification (irrigated): 2s
Land capability classification (nonirrigated): 7s
Hydrologic Soil Group: C
Hydric soil rating: No

Minor Components

Wasco

Percent of map unit: 2 percent

Hydric soil rating: No

Kimberlina, sandy substratum
Percent of map unit: 2 percent
Hydric soil rating: No

Excelsior
Percent of map unit: 2 percent
Hydric soil rating: No

Nord
Percent of map unit: 2 percent
Hydric soil rating: No

Yound
Percent of map unit: 1 percent
Hydric soil rating: No

Unnamed, rare flooding
Percent of map unit: 1 percent
Landform: Sloughs
Hydric soil rating: Yes

Garces
Percent of map unit: 1 percent
Hydric soil rating: No

Melga
Percent of map unit: 1 percent
Hydric soil rating: No

Remnoy
Percent of map unit: 1 percent
Hydric soil rating: No

Unnamed, rare flooding
Percent of map unit: 1 percent
Hydric soil rating: No

Cajon
Percent of map unit: 1 percent
Hydric soil rating: No

Soil Information for All Uses

Suitabilities and Limitations for Use

The Suitabilities and Limitations for Use section includes various soil interpretations displayed as thematic maps with a summary table for the soil map units in the selected area of interest. A single value or rating for each map unit is generated by aggregating the interpretive ratings of individual map unit components. This aggregation process is defined for each interpretation.

Land Classifications

Land Classifications are specified land use and management groupings that are assigned to soil areas because combinations of soil have similar behavior for specified practices. Most are based on soil properties and other factors that directly influence the specific use of the soil. Example classifications include ecological site classification, farmland classification, irrigated and nonirrigated land capability classification, and hydric rating.

California Revised Storie Index (CA)

The Revised Storie Index is a rating system based on soil properties that govern the potential for soil map unit components to be used for irrigated agriculture in California.

The Revised Storie Index assesses the productivity of a soil from the following four characteristics:

- Factor A: degree of soil profile development

- Factor B: texture of the surface layer

- Factor C: steepness of slope

- Factor X: drainage class, landform, erosion class, flooding and ponding frequency and duration, soil pH, soluble salt content as measured by electrical conductivity, and sodium adsorption ratio

Revised Storie Index numerical ratings have been combined into six classes as follows:

- Grade 1: Excellent (81 to 100)

- Grade 2: Good (61 to 80)

- Grade 3: Fair (41 to 60)

- Grade 4: Poor (21 to 40)

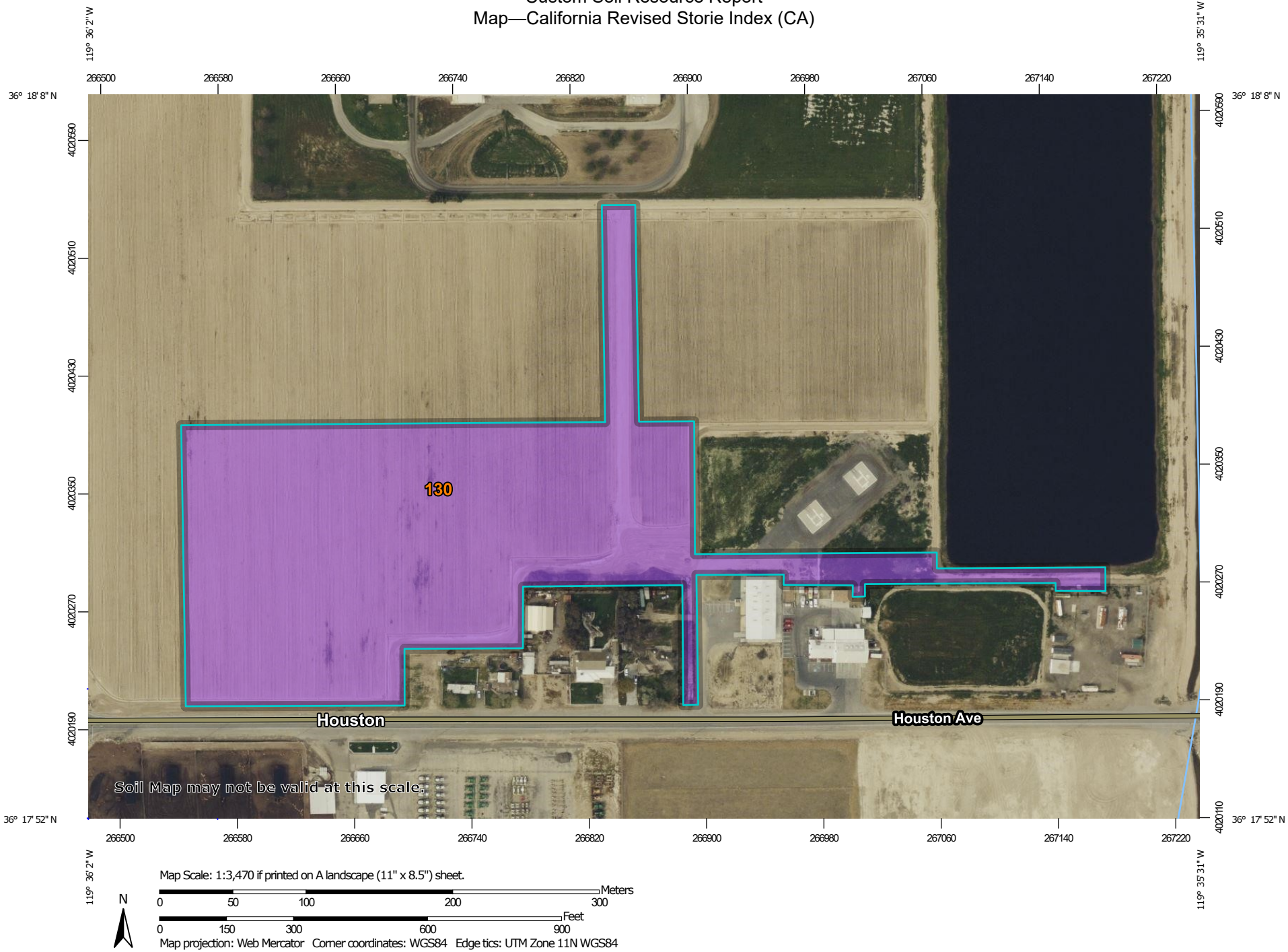
- Grade 5: Very poor (11 to 20)

- Grade 6: Nonagricultural (10 or less)

The components listed for each map unit in the accompanying Summary by Map Unit table in Web Soil Survey or the Aggregation Report in Soil Data Viewer are determined by the aggregation method chosen. An aggregated rating class is shown for each map unit. The components listed for each map unit are only those that have the same rating class as the one shown for the map unit. The percent composition of each component in a particular map unit is given to help the user better understand the extent to which the rating applies to the map unit.

Other components with different ratings may occur in each map unit. The ratings for all components, regardless the aggregated rating of the map unit, can be viewed by generating the equivalent report from the Soil Reports tab in Web Soil Survey or from the Soil Data Mart site. Onsite investigation may be needed to validate these interpretations and to confirm the identity of the soil on a given site.

Map—California Revised Storie Index (CA)



MAP LEGEND

Area of Interest (AOI)

- Area of Interest (AOI)

Soils

Soil Rating Polygons

- Grade 1 - Excellent
- Grade 2 - Good
- Grade 3 - Fair
- Grade 4 - Poor
- Grade 5 - Very Poor
- Grade 6 - Nonagricultural
- Not rated
- Not rated or not available

Soil Rating Lines

- Grade 1 - Excellent
- Grade 2 - Good
- Grade 3 - Fair
- Grade 4 - Poor
- Grade 5 - Very Poor
- Grade 6 - Nonagricultural
- Not rated
- Not rated or not available

Soil Rating Points

- Grade 1 - Excellent
- Grade 2 - Good
- Grade 3 - Fair
- Grade 4 - Poor
- Grade 5 - Very Poor
- Grade 6 - Nonagricultural
- Not rated
- Not rated or not available

Water Features

- Streams and Canals

Transportation

- Rails
- Interstate Highways
- US Routes
- Major Roads
- Local Roads

Background

- Aerial Photography

MAP INFORMATION

The soil surveys that comprise your AOI were mapped at 1:24,000.

Warning: Soil Map may not be valid at this scale.

Enlargement of maps beyond the scale of mapping can cause misunderstanding of the detail of mapping and accuracy of soil line placement. The maps do not show the small areas of contrasting soils that could have been shown at a more detailed scale.

Please rely on the bar scale on each map sheet for map measurements.

Source of Map: Natural Resources Conservation Service
Web Soil Survey URL:
Coordinate System: Web Mercator (EPSG:3857)

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Date(s) aerial images were photographed: Mar 17, 2019—Mar 24, 2019

The orthophoto or other base map on which the soil lines were compiled and digitized probably differs from the background imagery displayed on these maps. As a result, some minor shifting of map unit boundaries may be evident.

Table—California Revised Storie Index (CA)

Map unit symbol	Map unit name	Rating	Component name (percent)	Acres in AOI	Percent of AOI
130	Kimberlina fine sandy loam, saline-alkali	Grade 3 - Fair	Kimberlina (85%)	15.6	100.0%
Totals for Area of Interest				**15.6**	**100.0%**

Rating Options—California Revised Storie Index (CA)

Aggregation Method: Dominant Condition

Aggregation is the process by which a set of component attribute values is reduced to a single value that represents the map unit as a whole.

A map unit is typically composed of one or more "components". A component is either some type of soil or some nonsoil entity, e.g., rock outcrop. For the attribute being aggregated, the first step of the aggregation process is to derive one attribute value for each of a map unit's components. From this set of component attributes, the next step of the aggregation process derives a single value that represents the map unit as a whole. Once a single value for each map unit is derived, a thematic map for soil map units can be rendered. Aggregation must be done because, on any soil map, map units are delineated but components are not.

For each of a map unit's components, a corresponding percent composition is recorded. A percent composition of 60 indicates that the corresponding component typically makes up approximately 60% of the map unit. Percent composition is a critical factor in some, but not all, aggregation methods.

The aggregation method "Dominant Condition" first groups like attribute values for the components in a map unit. For each group, percent composition is set to the sum of the percent composition of all components participating in that group. These groups now represent "conditions" rather than components. The attribute value associated with the group with the highest cumulative percent composition is returned. If more than one group shares the highest cumulative percent composition, the corresponding "tie-break" rule determines which value should be returned. The "tie-break" rule indicates whether the lower or higher group value should be returned in the case of a percent composition tie. The result returned by this aggregation method represents the dominant condition throughout the map unit only when no tie has occurred.

Component Percent Cutoff: None Specified

Components whose percent composition is below the cutoff value will not be considered. If no cutoff value is specified, all components in the database will be considered. The data for some contrasting soils of minor extent may not be in the database, and therefore are not considered.

Tie-break Rule: Lower

The tie-break rule indicates which value should be selected from a set of multiple candidate values, or which value should be selected in the event of a percent composition tie.

Irrigated Capability Class

Land capability classification shows, in a general way, the suitability of soils for most kinds of field crops. Crops that require special management are excluded. The soils are grouped according to their limitations for field crops, the risk of damage if they are used for crops, and the way they respond to management. The criteria used in grouping the soils do not include major and generally expensive landforming that would change slope, depth, or other characteristics of the soils, nor do they include possible but unlikely major reclamation projects. Capability classification is not a substitute for interpretations that show suitability and limitations of groups of soils for rangeland, for woodland, or for engineering purposes.

In the capability system, soils are generally grouped at three levels-capability class, subclass, and unit. Only class and subclass are included in this data set.

Capability classes, the broadest groups, are designated by the numbers 1 through 8. The numbers indicate progressively greater limitations and narrower choices for practical use. The classes are defined as follows:

Class 1 soils have few limitations that restrict their use.

Class 2 soils have moderate limitations that reduce the choice of plants or that require moderate conservation practices.

Class 3 soils have severe limitations that reduce the choice of plants or that require special conservation practices, or both.

Class 4 soils have very severe limitations that reduce the choice of plants or that require very careful management, or both.

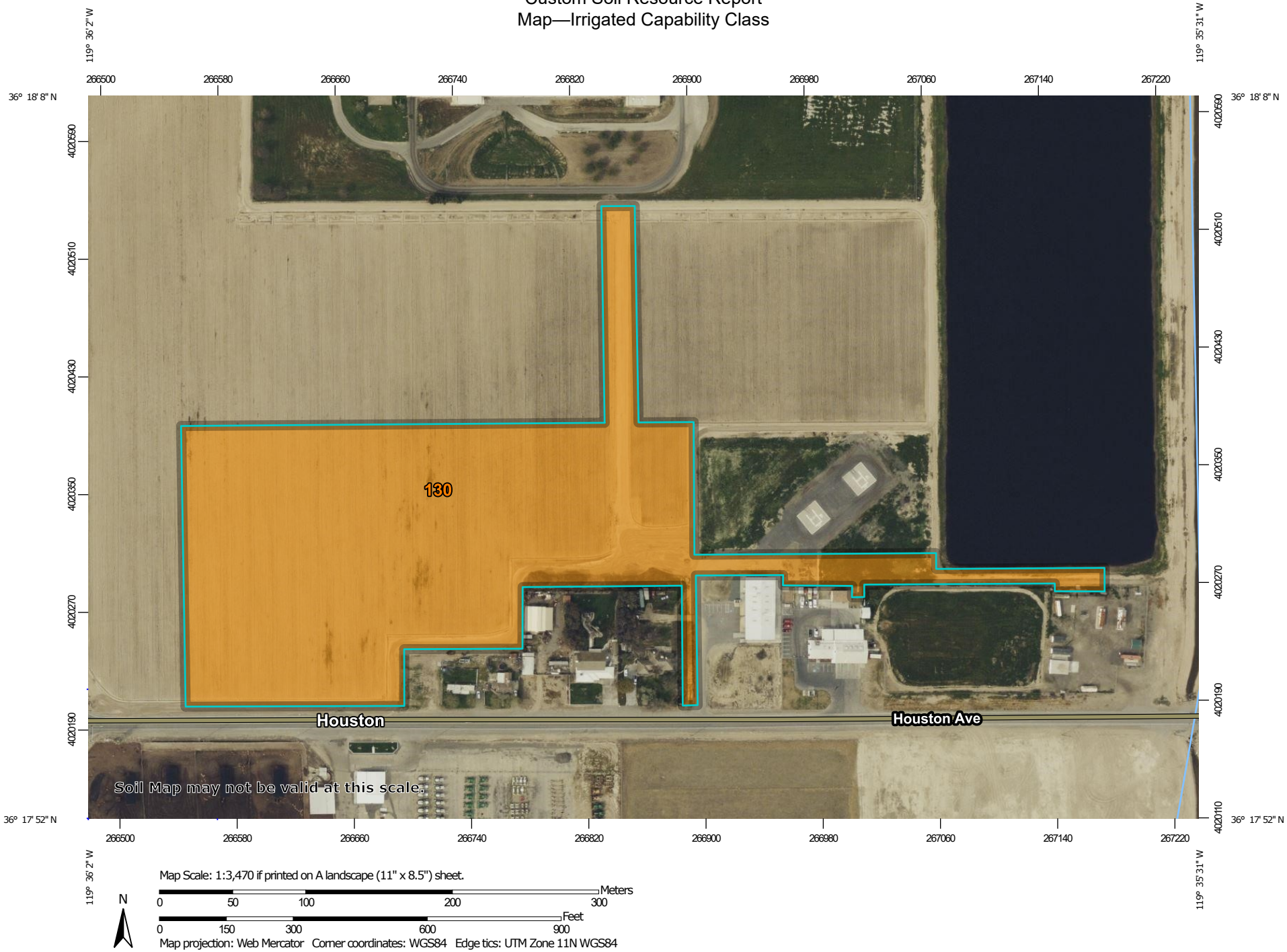
Class 5 soils are subject to little or no erosion but have other limitations, impractical to remove, that restrict their use mainly to pasture, rangeland, forestland, or wildlife habitat.

Class 6 soils have severe limitations that make them generally unsuitable for cultivation and that restrict their use mainly to pasture, rangeland, forestland, or wildlife habitat.

Class 7 soils have very severe limitations that make them unsuitable for cultivation and that restrict their use mainly to grazing, forestland, or wildlife habitat.

Class 8 soils and miscellaneous areas have limitations that preclude commercial plant production and that restrict their use to recreational purposes, wildlife habitat, watershed, or esthetic purposes.

Custom Soil Resource Report
Map—Irrigated Capability Class



MAP LEGEND

Area of Interest (AOI)

- Area of Interest (AOI)

Soils

Soil Rating Polygons

- Capability Class - I
- Capability Class - II
- Capability Class - III
- Capability Class - IV
- Capability Class - V
- Capability Class - VI
- Capability Class - VII
- Capability Class - VIII
- Not rated or not available

Soil Rating Lines

- Capability Class - I
- Capability Class - II
- Capability Class - III
- Capability Class - IV
- Capability Class - V
- Capability Class - VI
- Capability Class - VII
- Capability Class - VIII
- Not rated or not available

Soil Rating Points

- Capability Class - I
- Capability Class - II
- Capability Class - III
- Capability Class - IV
- Capability Class - V
- Capability Class - VI
- Capability Class - VII
- Capability Class - VIII
- Not rated or not available

Water Features

- Streams and Canals

Transportation

- Rails
- Interstate Highways
- US Routes
- Major Roads
- Local Roads

Background

- Aerial Photography

MAP INFORMATION

The soil surveys that comprise your AOI were mapped at 1:24,000.

Warning: Soil Map may not be valid at this scale.

Enlargement of maps beyond the scale of mapping can cause misunderstanding of the detail of mapping and accuracy of soil line placement. The maps do not show the small areas of contrasting soils that could have been shown at a more detailed scale.

Please rely on the bar scale on each map sheet for map measurements.

Source of Map: Natural Resources Conservation Service
Web Soil Survey URL:
Coordinate System: Web Mercator (EPSG:3857)

Maps from the Web Soil Survey are based on the Web Mercator projection, which preserves direction and shape but distorts distance and area. A projection that preserves area, such as the Albers equal-area conic projection, should be used if more accurate calculations of distance or area are required.

This product is generated from the USDA-NRCS certified data as of the version date(s) listed below.

Soil Survey Area: Kings County, California
Survey Area Data: Version 16, May 29, 2020

Soil map units are labeled (as space allows) for map scales 1:50,000 or larger.

Date(s) aerial images were photographed: Mar 17, 2019—Mar 24, 2019

The orthophoto or other base map on which the soil lines were compiled and digitized probably differs from the background imagery displayed on these maps. As a result, some minor shifting of map unit boundaries may be evident.

Table—Irrigated Capability Class

Map unit symbol	Map unit name	Rating	Acres in AOI	Percent of AOI
130	Kimberlina fine sandy loam, saline-alkali	2	15.6	100.0%
Totals for Area of Interest			**15.6**	**100.0%**

Rating Options—Irrigated Capability Class

Aggregation Method: Dominant Condition

Aggregation is the process by which a set of component attribute values is reduced to a single value that represents the map unit as a whole.

A map unit is typically composed of one or more "components". A component is either some type of soil or some nonsoil entity, e.g., rock outcrop. For the attribute being aggregated, the first step of the aggregation process is to derive one attribute value for each of a map unit's components. From this set of component attributes, the next step of the aggregation process derives a single value that represents the map unit as a whole. Once a single value for each map unit is derived, a thematic map for soil map units can be rendered. Aggregation must be done because, on any soil map, map units are delineated but components are not.

For each of a map unit's components, a corresponding percent composition is recorded. A percent composition of 60 indicates that the corresponding component typically makes up approximately 60% of the map unit. Percent composition is a critical factor in some, but not all, aggregation methods.

The aggregation method "Dominant Condition" first groups like attribute values for the components in a map unit. For each group, percent composition is set to the sum of the percent composition of all components participating in that group. These groups now represent "conditions" rather than components. The attribute value associated with the group with the highest cumulative percent composition is returned. If more than one group shares the highest cumulative percent composition, the corresponding "tie-break" rule determines which value should be returned. The "tie-break" rule indicates whether the lower or higher group value should be returned in the case of a percent composition tie. The result returned by this aggregation method represents the dominant condition throughout the map unit only when no tie has occurred.

Component Percent Cutoff: None Specified

Components whose percent composition is below the cutoff value will not be considered. If no cutoff value is specified, all components in the database will be considered. The data for some contrasting soils of minor extent may not be in the database, and therefore are not considered.

Tie-break Rule: Higher

The tie-break rule indicates which value should be selected from a set of multiple candidate values, or which value should be selected in the event of a percent composition tie.

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Glossary

Many of the terms relating to landforms, geology, and geomorphology are defined in more detail in the following National Soil Survey Handbook link: “National Soil Survey Handbook.”

ABC soil

A soil having an A, a B, and a C horizon.

Ablation till

Loose, relatively permeable earthy material deposited during the downwasting of nearly static glacial ice, either contained within or accumulated on the surface of the glacier.

AC soil

A soil having only an A and a C horizon. Commonly, such soil formed in recent alluvium or on steep, rocky slopes.

Aeration, soil

The exchange of air in soil with air from the atmosphere. The air in a well aerated soil is similar to that in the atmosphere; the air in a poorly aerated soil is considerably higher in carbon dioxide and lower in oxygen.

Aggregate, soil

Many fine particles held in a single mass or cluster. Natural soil aggregates, such as granules, blocks, or prisms, are called peds. Clods are aggregates produced by tillage or logging.

Alkali (sodic) soil

A soil having so high a degree of alkalinity (pH 8.5 or higher) or so high a percentage of exchangeable sodium (15 percent or more of the total exchangeable bases), or both, that plant growth is restricted.

Alluvial cone

A semiconical type of alluvial fan having very steep slopes. It is higher, narrower, and steeper than a fan and is composed of coarser and thicker layers of material deposited by a combination of alluvial episodes and (to a much lesser degree) landslides (debris flow). The coarsest materials tend to be concentrated at the apex of the cone.

Alluvial fan

A low, outspread mass of loose materials and/or rock material, commonly with gentle slopes. It is shaped like an open fan or a segment of a cone. The material was deposited by a stream at the place where it issues from a narrow mountain valley or upland valley or where a tributary stream is near or at its junction with the main stream. The fan is steepest near its apex, which points upstream, and slopes gently and convexly outward (downstream) with a gradual decrease in gradient.

Alluvium

Unconsolidated material, such as gravel, sand, silt, clay, and various mixtures of these, deposited on land by running water.

Alpha,alpha-dipyridyl

A compound that when dissolved in ammonium acetate is used to detect the presence of reduced iron (Fe II) in the soil. A positive reaction implies reducing conditions and the likely presence of redoximorphic features.

Animal unit month (AUM)

The amount of forage required by one mature cow of approximately 1,000 pounds weight, with or without a calf, for 1 month.

Aquic conditions

Current soil wetness characterized by saturation, reduction, and redoximorphic features.

Argillic horizon

A subsoil horizon characterized by an accumulation of illuvial clay.

Arroyo

The flat-floored channel of an ephemeral stream, commonly with very steep to vertical banks cut in unconsolidated material. It is usually dry but can be transformed into a temporary watercourse or short-lived torrent after heavy rain within the watershed.

Aspect

The direction toward which a slope faces. Also called slope aspect.

Association, soil

A group of soils or miscellaneous areas geographically associated in a characteristic repeating pattern and defined and delineated as a single map unit.

Available water capacity (available moisture capacity)

The capacity of soils to hold water available for use by most plants. It is commonly defined as the difference between the amount of soil water at field moisture capacity and the amount at wilting point. It is commonly expressed as inches of water per inch of soil. The capacity, in inches, in a 60-inch profile or to a limiting layer is expressed as:

Very low: 0 to 3
Low: 3 to 6
Moderate: 6 to 9
High: 9 to 12
Very high: More than 12

Backslope

The position that forms the steepest and generally linear, middle portion of a hillslope. In profile, backslopes are commonly bounded by a convex shoulder above and a concave footslope below.

Backswamp

A flood-plain landform. Extensive, marshy or swampy, depressed areas of flood plains between natural levees and valley sides or terraces.

Badland

A landscape that is intricately dissected and characterized by a very fine drainage network with high drainage densities and short, steep slopes and narrow interfluves. Badlands develop on surfaces that have little or no vegetative cover overlying unconsolidated or poorly cemented materials (clays, silts, or sandstones) with, in some cases, soluble minerals, such as gypsum or halite.

Bajada

A broad, gently inclined alluvial piedmont slope extending from the base of a mountain range out into a basin and formed by the lateral coalescence of a series of alluvial fans. Typically, it has a broadly undulating transverse profile, parallel to the mountain front, resulting from the convexities of component fans. The term is generally restricted to constructional slopes of intermontane basins.

Basal area

The area of a cross section of a tree, generally referring to the section at breast height and measured outside the bark. It is a measure of stand density, commonly expressed in square feet.

Base saturation

The degree to which material having cation-exchange properties is saturated with exchangeable bases (sum of Ca, Mg, Na, and K), expressed as a percentage of the total cation-exchange capacity.

Base slope (geomorphology)

A geomorphic component of hills consisting of the concave to linear (perpendicular to the contour) slope that, regardless of the lateral shape, forms an apron or wedge at the bottom of a hillside dominated by colluvium and slope-wash sediments (for example, slope alluvium).

Bedding plane

A planar or nearly planar bedding surface that visibly separates each successive layer of stratified sediment or rock (of the same or different lithology)

from the preceding or following layer; a plane of deposition. It commonly marks a change in the circumstances of deposition and may show a parting, a color difference, a change in particle size, or various combinations of these. The term is commonly applied to any bedding surface, even one that is conspicuously bent or deformed by folding.

Bedding system

A drainage system made by plowing, grading, or otherwise shaping the surface of a flat field. It consists of a series of low ridges separated by shallow, parallel dead furrows.

Bedrock

The solid rock that underlies the soil and other unconsolidated material or that is exposed at the surface.

Bedrock-controlled topography

A landscape where the configuration and relief of the landforms are determined or strongly influenced by the underlying bedrock.

Bench terrace

A raised, level or nearly level strip of earth constructed on or nearly on a contour, supported by a barrier of rocks or similar material, and designed to make the soil suitable for tillage and to prevent accelerated erosion.

Bisequum

Two sequences of soil horizons, each of which consists of an illuvial horizon and the overlying eluvial horizons.

Blowout (map symbol)

A saucer-, cup-, or trough-shaped depression formed by wind erosion on a preexisting dune or other sand deposit, especially in an area of shifting sand or loose soil or where protective vegetation is disturbed or destroyed. The adjoining accumulation of sand derived from the depression, where recognizable, is commonly included. Blowouts are commonly small.

Borrow pit (map symbol)

An open excavation from which soil and underlying material have been removed, usually for construction purposes.

Bottom land

An informal term loosely applied to various portions of a flood plain.

Boulders

Rock fragments larger than 2 feet (60 centimeters) in diameter.

Breaks

A landscape or tract of steep, rough or broken land dissected by ravines and gullies and marking a sudden change in topography.

Breast height

An average height of 4.5 feet above the ground surface; the point on a tree where diameter measurements are ordinarily taken.

Brush management

Use of mechanical, chemical, or biological methods to make conditions favorable for reseeding or to reduce or eliminate competition from woody vegetation and thus allow understory grasses and forbs to recover. Brush management increases forage production and thus reduces the hazard of erosion. It can improve the habitat for some species of wildlife.

Butte

An isolated, generally flat-topped hill or mountain with relatively steep slopes and talus or precipitous cliffs and characterized by summit width that is less than the height of bounding escarpments; commonly topped by a caprock of resistant material and representing an erosion remnant carved from flat-lying rocks.

Cable yarding

A method of moving felled trees to a nearby central area for transport to a processing facility. Most cable yarding systems involve use of a drum, a pole, and wire cables in an arrangement similar to that of a rod and reel used for fishing. To reduce friction and soil disturbance, felled trees generally are reeled in while one end is lifted or the entire log is suspended.

Calcareous soil

A soil containing enough calcium carbonate (commonly combined with magnesium carbonate) to effervesce visibly when treated with cold, dilute hydrochloric acid.

Caliche

A general term for a prominent zone of secondary carbonate accumulation in surficial materials in warm, subhumid to arid areas. Caliche is formed by both geologic and pedologic processes. Finely crystalline calcium carbonate forms a nearly continuous surface-coating and void-filling medium in geologic (parent) materials. Cementation ranges from weak in nonindurated forms to very strong in indurated forms. Other minerals (e.g., carbonates, silicate, and sulfate) may occur as accessory cements. Most petrocalcic horizons and some calcic horizons are caliche.

California bearing ratio (CBR)

The load-supporting capacity of a soil as compared to that of standard crushed limestone, expressed as a ratio. First standardized in California. A soil having a CBR of 16 supports 16 percent of the load that would be supported by standard crushed limestone, per unit area, with the same degree of distortion.

Canopy

The leafy crown of trees or shrubs. (See Crown.)

Canyon

A long, deep, narrow valley with high, precipitous walls in an area of high local relief.

Capillary water

Water held as a film around soil particles and in tiny spaces between particles. Surface tension is the adhesive force that holds capillary water in the soil.

Catena

A sequence, or “chain,” of soils on a landscape that formed in similar kinds of parent material and under similar climatic conditions but that have different characteristics as a result of differences in relief and drainage.

Cation

An ion carrying a positive charge of electricity. The common soil cations are calcium, potassium, magnesium, sodium, and hydrogen.

Cation-exchange capacity

The total amount of exchangeable cations that can be held by the soil, expressed in terms of milliequivalents per 100 grams of soil at neutrality (pH 7.0) or at some other stated pH value. The term, as applied to soils, is synonymous with base-exchange capacity but is more precise in meaning.

Catsteps

See Terracettes.

Cement rock

Shaly limestone used in the manufacture of cement.

Channery soil material

Soil material that has, by volume, 15 to 35 percent thin, flat fragments of sandstone, shale, slate, limestone, or schist as much as 6 inches (15 centimeters) along the longest axis. A single piece is called a channer.

Chemical treatment

Control of unwanted vegetation through the use of chemicals.

Chiseling

Tillage with an implement having one or more soil-penetrating points that shatter or loosen hard, compacted layers to a depth below normal plow depth.

Cirque

A steep-walled, semicircular or crescent-shaped, half-bowl-like recess or hollow, commonly situated at the head of a glaciated mountain valley or high on the side of a mountain. It was produced by the erosive activity of a mountain glacier. It commonly contains a small round lake (tarn).

Clay

As a soil separate, the mineral soil particles less than 0.002 millimeter in diameter. As a soil textural class, soil material that is 40 percent or more clay, less than 45 percent sand, and less than 40 percent silt.

Clay depletions

See Redoximorphic features.

Clay film

A thin coating of oriented clay on the surface of a soil aggregate or lining pores or root channels. Synonyms: clay coating, clay skin.

Clay spot (map symbol)

A spot where the surface texture is silty clay or clay in areas where the surface layer of the soils in the surrounding map unit is sandy loam, loam, silt loam, or coarser.

Claypan

A dense, compact subsoil layer that contains much more clay than the overlying materials, from which it is separated by a sharply defined boundary. The layer restricts the downward movement of water through the soil. A claypan is commonly hard when dry and plastic and sticky when wet.

Climax plant community

The stabilized plant community on a particular site. The plant cover reproduces itself and does not change so long as the environment remains the same.

Coarse textured soil

Sand or loamy sand.

Cobble (or cobblestone)

A rounded or partly rounded fragment of rock 3 to 10 inches (7.6 to 25 centimeters) in diameter.

Cobbly soil material

Material that has 15 to 35 percent, by volume, rounded or partially rounded rock fragments 3 to 10 inches (7.6 to 25 centimeters) in diameter. Very cobbly soil material has 35 to 60 percent of these rock fragments, and extremely cobbly soil material has more than 60 percent.

COLE (coefficient of linear extensibility)

See Linear extensibility.

Colluvium

Unconsolidated, unsorted earth material being transported or deposited on side slopes and/or at the base of slopes by mass movement (e.g., direct gravitational action) and by local, unconcentrated runoff.

Complex slope

Irregular or variable slope. Planning or establishing terraces, diversions, and other water-control structures on a complex slope is difficult.

Complex, soil

A map unit of two or more kinds of soil or miscellaneous areas in such an intricate pattern or so small in area that it is not practical to map them separately at the selected scale of mapping. The pattern and proportion of the soils or miscellaneous areas are somewhat similar in all areas.

Concretions

See Redoximorphic features.

Conglomerate

A coarse grained, clastic sedimentary rock composed of rounded or subangular rock fragments more than 2 millimeters in diameter. It commonly has a matrix of sand and finer textured material. Conglomerate is the consolidated equivalent of gravel.

Conservation cropping system

Growing crops in combination with needed cultural and management practices. In a good conservation cropping system, the soil-improving crops and practices more than offset the effects of the soil-depleting crops and practices. Cropping systems are needed on all tilled soils. Soil-improving practices in a conservation cropping system include the use of rotations that contain grasses and legumes and the return of crop residue to the soil. Other practices include the use of green manure crops of grasses and legumes, proper tillage, adequate fertilization, and weed and pest control.

Conservation tillage

A tillage system that does not invert the soil and that leaves a protective amount of crop residue on the surface throughout the year.

Consistence, soil

Refers to the degree of cohesion and adhesion of soil material and its resistance to deformation when ruptured. Consistence includes resistance of soil material to rupture and to penetration; plasticity, toughness, and stickiness of puddled soil material; and the manner in which the soil material behaves when subject to compression. Terms describing consistence are defined in the “Soil Survey Manual.”

Contour stripcropping

Growing crops in strips that follow the contour. Strips of grass or close-growing crops are alternated with strips of clean-tilled crops or summer fallow.

Control section

The part of the soil on which classification is based. The thickness varies among different kinds of soil, but for many it is that part of the soil profile between depths of 10 inches and 40 or 80 inches.

Coprogenous earth (sedimentary peat)

A type of limnic layer composed predominantly of fecal material derived from aquatic animals.

Corrosion (geomorphology)

A process of erosion whereby rocks and soil are removed or worn away by natural chemical processes, especially by the solvent action of running water, but also by other reactions, such as hydrolysis, hydration, carbonation, and oxidation.

Corrosion (soil survey interpretations)

Soil-induced electrochemical or chemical action that dissolves or weakens concrete or uncoated steel.

Cover crop

A close-growing crop grown primarily to improve and protect the soil between periods of regular crop production, or a crop grown between trees and vines in orchards and vineyards.

Crop residue management

Returning crop residue to the soil, which helps to maintain soil structure, organic matter content, and fertility and helps to control erosion.

Cropping system

Growing crops according to a planned system of rotation and management practices.

Cross-slope farming

Deliberately conducting farming operations on sloping farmland in such a way that tillage is across the general slope.

Crown

The upper part of a tree or shrub, including the living branches and their foliage.

Cryoturbate

A mass of soil or other unconsolidated earthy material moved or disturbed by frost action. It is typically coarser than the underlying material.

Cuesta

An asymmetric ridge capped by resistant rock layers of slight or moderate dip (commonly less than 15 percent slopes); a type of homocline produced by differential erosion of interbedded resistant and weak rocks. A cuesta has a long, gentle slope on one side (dip slope) that roughly parallels the inclined beds; on the other side, it has a relatively short and steep or clifflike slope (scarp) that cuts through the tilted rocks.

Culmination of the mean annual increment (CMAI)

The average annual increase per acre in the volume of a stand. Computed by dividing the total volume of the stand by its age. As the stand increases in age, the mean annual increment continues to increase until mortality begins to reduce the rate of increase. The point where the stand reaches its maximum annual rate of growth is called the culmination of the mean annual increment.

Cutbanks cave

The walls of excavations tend to cave in or slough.

Decreasers

The most heavily grazed climax range plants. Because they are the most palatable, they are the first to be destroyed by overgrazing.

Deferred grazing

Postponing grazing or resting grazing land for a prescribed period.

Delta

A body of alluvium having a surface that is fan shaped and nearly flat; deposited at or near the mouth of a river or stream where it enters a body of relatively quiet water, generally a sea or lake.

Dense layer

A very firm, massive layer that has a bulk density of more than 1.8 grams per cubic centimeter. Such a layer affects the ease of digging and can affect filling and compacting.

Depression, closed (map symbol)

A shallow, saucer-shaped area that is slightly lower on the landscape than the surrounding area and that does not have a natural outlet for surface drainage.

Depth, soil

Generally, the thickness of the soil over bedrock. Very deep soils are more than 60 inches deep over bedrock; deep soils, 40 to 60 inches; moderately deep, 20 to 40 inches; shallow, 10 to 20 inches; and very shallow, less than 10 inches.

Desert pavement

A natural, residual concentration or layer of wind-polished, closely packed gravel, boulders, and other rock fragments mantling a desert surface. It forms where wind action and sheetwash have removed all smaller particles or where rock fragments have migrated upward through sediments to the surface. It typically protects the finer grained underlying material from further erosion.

Diatomaceous earth

A geologic deposit of fine, grayish siliceous material composed chiefly or entirely of the remains of diatoms.

Dip slope

A slope of the land surface, roughly determined by and approximately conforming to the dip of the underlying bedrock.

Diversion (or diversion terrace)

A ridge of earth, generally a terrace, built to protect downslope areas by diverting runoff from its natural course.

Divided-slope farming

A form of field stripcropping in which crops are grown in a systematic arrangement of two strips, or bands, across the slope to reduce the hazard of water erosion. One strip is in a close-growing crop that provides protection from erosion, and the other strip is in a crop that provides less protection from erosion. This practice is used where slopes are not long enough to permit a full stripcropping pattern to be used.

Drainage class (natural)

Refers to the frequency and duration of wet periods under conditions similar to those under which the soil formed. Alterations of the water regime by human activities, either through drainage or irrigation, are not a consideration unless they have significantly changed the morphology of the soil. Seven classes of natural soil drainage are recognized—*excessively drained, somewhat excessively drained, well drained, moderately well drained, somewhat poorly drained, poorly drained,* and *very poorly drained*. These classes are defined in the “Soil Survey Manual.”

Drainage, surface

Runoff, or surface flow of water, from an area.

Drainageway

A general term for a course or channel along which water moves in draining an area. A term restricted to relatively small, linear depressions that at some time move concentrated water and either do not have a defined channel or have only a small defined channel.

Draw

A small stream valley that generally is shallower and more open than a ravine or gulch and that has a broader bottom. The present stream channel may appear inadequate to have cut the drainageway that it occupies.

Drift

A general term applied to all mineral material (clay, silt, sand, gravel, and boulders) transported by a glacier and deposited directly by or from the ice or transported by running water emanating from a glacier. Drift includes unstratified material (till) that forms moraines and stratified deposits that form outwash plains, eskers, kames, varves, and glaciofluvial sediments. The term is generally applied to Pleistocene glacial deposits in areas that no longer contain glaciers.

Drumlin

A low, smooth, elongated oval hill, mound, or ridge of compact till that has a core of bedrock or drift. It commonly has a blunt nose facing the direction from which the ice approached and a gentler slope tapering in the other direction. The longer axis is parallel to the general direction of glacier flow. Drumlins are products of streamline (laminar) flow of glaciers, which molded the subglacial floor through a combination of erosion and deposition.

Duff

A generally firm organic layer on the surface of mineral soils. It consists of fallen plant material that is in the process of decomposition and includes everything from the litter on the surface to underlying pure humus.

Dune

A low mound, ridge, bank, or hill of loose, windblown granular material (generally sand), either barren and capable of movement from place to place or covered and stabilized with vegetation but retaining its characteristic shape.

Earthy fill

See Mine spoil.

Ecological site

An area where climate, soil, and relief are sufficiently uniform to produce a distinct natural plant community. An ecological site is the product of all the environmental factors responsible for its development. It is typified by an association of species that differ from those on other ecological sites in kind and/or proportion of species or in total production.

Eluviation

The movement of material in true solution or colloidal suspension from one place to another within the soil. Soil horizons that have lost material through eluviation are eluvial; those that have received material are illuvial.

Endosaturation

A type of saturation of the soil in which all horizons between the upper boundary of saturation and a depth of 2 meters are saturated.

Eolian deposit

Sand-, silt-, or clay-sized clastic material transported and deposited primarily by wind, commonly in the form of a dune or a sheet of sand or loess.

Ephemeral stream

A stream, or reach of a stream, that flows only in direct response to precipitation. It receives no long-continued supply from melting snow or other source, and its channel is above the water table at all times.

Episaturation

A type of saturation indicating a perched water table in a soil in which saturated layers are underlain by one or more unsaturated layers within 2 meters of the surface.

Erosion

The wearing away of the land surface by water, wind, ice, or other geologic agents and by such processes as gravitational creep.

Erosion (accelerated)

Erosion much more rapid than geologic erosion, mainly as a result of human or animal activities or of a catastrophe in nature, such as a fire, that exposes the surface.

Erosion (geologic)

Erosion caused by geologic processes acting over long geologic periods and resulting in the wearing away of mountains and the building up of such landscape features as flood plains and coastal plains. Synonym: natural erosion.

Erosion pavement

A surficial lag concentration or layer of gravel and other rock fragments that remains on the soil surface after sheet or rill erosion or wind has removed the finer soil particles and that tends to protect the underlying soil from further erosion.

Erosion surface

A land surface shaped by the action of erosion, especially by running water.

Escarpment

A relatively continuous and steep slope or cliff breaking the general continuity of more gently sloping land surfaces and resulting from erosion or faulting. Most commonly applied to cliffs produced by differential erosion. Synonym: scarp.

Escarpment, bedrock (map symbol)

A relatively continuous and steep slope or cliff, produced by erosion or faulting, that breaks the general continuity of more gently sloping land surfaces. Exposed material is hard or soft bedrock.

Escarpment, nonbedrock (map symbol)

A relatively continuous and steep slope or cliff, generally produced by erosion but in some places produced by faulting, that breaks the continuity of more gently sloping land surfaces. Exposed earthy material is nonsoil or very shallow soil.

Esker

A long, narrow, sinuous, steep-sided ridge of stratified sand and gravel deposited as the bed of a stream flowing in an ice tunnel within or below the ice (subglacial) or between ice walls on top of the ice of a wasting glacier and left

behind as high ground when the ice melted. Eskers range in length from less than a kilometer to more than 160 kilometers and in height from 3 to 30 meters.

Extrusive rock

Igneous rock derived from deep-seated molten matter (magma) deposited and cooled on the earth's surface.

Fallow

Cropland left idle in order to restore productivity through accumulation of moisture. Summer fallow is common in regions of limited rainfall where cereal grain is grown. The soil is tilled for at least one growing season for weed control and decomposition of plant residue.

Fan remnant

A general term for landforms that are the remaining parts of older fan landforms, such as alluvial fans, that have been either dissected or partially buried.

Fertility, soil

The quality that enables a soil to provide plant nutrients, in adequate amounts and in proper balance, for the growth of specified plants when light, moisture, temperature, tilth, and other growth factors are favorable.

Fibric soil material (peat)

The least decomposed of all organic soil material. Peat contains a large amount of well preserved fiber that is readily identifiable according to botanical origin. Peat has the lowest bulk density and the highest water content at saturation of all organic soil material.

Field moisture capacity

The moisture content of a soil, expressed as a percentage of the ovendry weight, after the gravitational, or free, water has drained away; the field moisture content 2 or 3 days after a soaking rain; also called *normal field capacity, normal moisture capacity,* or *capillary capacity*.

Fill slope

A sloping surface consisting of excavated soil material from a road cut. It commonly is on the downhill side of the road.

Fine textured soil

Sandy clay, silty clay, or clay.

Firebreak

An area cleared of flammable material to stop or help control creeping or running fires. It also serves as a line from which to work and to facilitate the movement of firefighters and equipment. Designated roads also serve as firebreaks.

First bottom

An obsolete, informal term loosely applied to the lowest flood-plain steps that are subject to regular flooding.

Flaggy soil material

Material that has, by volume, 15 to 35 percent flagstones. Very flaggy soil material has 35 to 60 percent flagstones, and extremely flaggy soil material has more than 60 percent flagstones.

Flagstone

A thin fragment of sandstone, limestone, slate, shale, or (rarely) schist 6 to 15 inches (15 to 38 centimeters) long.

Flood plain

The nearly level plain that borders a stream and is subject to flooding unless protected artificially.

Flood-plain landforms

A variety of constructional and erosional features produced by stream channel migration and flooding. Examples include backswamps, flood-plain splays, meanders, meander belts, meander scrolls, oxbow lakes, and natural levees.

Flood-plain splay

A fan-shaped deposit or other outspread deposit formed where an overloaded stream breaks through a levee (natural or artificial) and deposits its material (commonly coarse grained) on the flood plain.

Flood-plain step

An essentially flat, terrace-like alluvial surface within a valley that is frequently covered by floodwater from the present stream; any approximately horizontal surface still actively modified by fluvial scour and/or deposition. May occur individually or as a series of steps.

Fluvial

Of or pertaining to rivers or streams; produced by stream or river action.

Foothills

A region of steeply sloping hills that fringes a mountain range or high-plateau escarpment. The hills have relief of as much as 1,000 feet (300 meters).

Footslope

The concave surface at the base of a hillslope. A footslope is a transition zone between upslope sites of erosion and transport (shoulders and backslopes) and downslope sites of deposition (toeslopes).

Forb

Any herbaceous plant not a grass or a sedge.

Forest cover

All trees and other woody plants (underbrush) covering the ground in a forest.

Forest type

A stand of trees similar in composition and development because of given physical and biological factors by which it may be differentiated from other stands.

Fragipan

A loamy, brittle subsurface horizon low in porosity and content of organic matter and low or moderate in clay but high in silt or very fine sand. A fragipan appears cemented and restricts roots. When dry, it is hard or very hard and has a higher bulk density than the horizon or horizons above. When moist, it tends to rupture suddenly under pressure rather than to deform slowly.

Genesis, soil

The mode of origin of the soil. Refers especially to the processes or soil-forming factors responsible for the formation of the solum, or true soil, from the unconsolidated parent material.

Gilgai

Commonly, a succession of microbasins and microknolls in nearly level areas or of microvalleys and microridges parallel with the slope. Typically, the microrelief of clayey soils that shrink and swell considerably with changes in moisture content.

Glaciofluvial deposits

Material moved by glaciers and subsequently sorted and deposited by streams flowing from the melting ice. The deposits are stratified and occur in the form of outwash plains, valley trains, deltas, kames, eskers, and kame terraces.

Glaciolacustrine deposits

Material ranging from fine clay to sand derived from glaciers and deposited in glacial lakes mainly by glacial meltwater. Many deposits are bedded or laminated.

Gleyed soil

Soil that formed under poor drainage, resulting in the reduction of iron and other elements in the profile and in gray colors.

Graded stripcropping

Growing crops in strips that grade toward a protected waterway.

Grassed waterway

A natural or constructed waterway, typically broad and shallow, seeded to grass as protection against erosion. Conducts surface water away from cropland.

Gravel

Rounded or angular fragments of rock as much as 3 inches (2 millimeters to 7.6 centimeters) in diameter. An individual piece is a pebble.

Gravel pit (map symbol)

An open excavation from which soil and underlying material have been removed and used, without crushing, as a source of sand or gravel.

Gravelly soil material

Material that has 15 to 35 percent, by volume, rounded or angular rock fragments, not prominently flattened, as much as 3 inches (7.6 centimeters) in diameter.

Gravelly spot (map symbol)

A spot where the surface layer has more than 35 percent, by volume, rock fragments that are mostly less than 3 inches in diameter in an area that has less than 15 percent rock fragments.

Green manure crop (agronomy)

A soil-improving crop grown to be plowed under in an early stage of maturity or soon after maturity.

Ground water

Water filling all the unblocked pores of the material below the water table.

Gully (map symbol)

A small, steep-sided channel caused by erosion and cut in unconsolidated materials by concentrated but intermittent flow of water. The distinction between a gully and a rill is one of depth. A gully generally is an obstacle to farm machinery and is too deep to be obliterated by ordinary tillage whereas a rill is of lesser depth and can be smoothed over by ordinary tillage.

Hard bedrock

Bedrock that cannot be excavated except by blasting or by the use of special equipment that is not commonly used in construction.

Hard to reclaim

Reclamation is difficult after the removal of soil for construction and other uses. Revegetation and erosion control are extremely difficult.

Hardpan

A hardened or cemented soil horizon, or layer. The soil material is sandy, loamy, or clayey and is cemented by iron oxide, silica, calcium carbonate, or other substance.

Head slope (geomorphology)

A geomorphic component of hills consisting of a laterally concave area of a hillside, especially at the head of a drainageway. The overland waterflow is converging.

Hemic soil material (mucky peat)

Organic soil material intermediate in degree of decomposition between the less decomposed fibric material and the more decomposed sapric material.

High-residue crops

Such crops as small grain and corn used for grain. If properly managed, residue from these crops can be used to control erosion until the next crop in the rotation is established. These crops return large amounts of organic matter to the soil.

Hill

A generic term for an elevated area of the land surface, rising as much as 1,000 feet above surrounding lowlands, commonly of limited summit area and having a well defined outline. Slopes are generally more than 15 percent. The distinction between a hill and a mountain is arbitrary and may depend on local usage.

Hillslope

A generic term for the steeper part of a hill between its summit and the drainage line, valley flat, or depression floor at the base of a hill.

Horizon, soil

A layer of soil, approximately parallel to the surface, having distinct characteristics produced by soil-forming processes. In the identification of soil horizons, an uppercase letter represents the major horizons. Numbers or lowercase letters that follow represent subdivisions of the major horizons. An explanation of the subdivisions is given in the “Soil Survey Manual.” The major horizons of mineral soil are as follows:

O horizon: An organic layer of fresh and decaying plant residue.

L horizon: A layer of organic and mineral limnic materials, including coprogenous earth (sedimentary peat), diatomaceous earth, and marl.

A horizon: The mineral horizon at or near the surface in which an accumulation of humified organic matter is mixed with the mineral material. Also, a plowed surface horizon, most of which was originally part of a B horizon.

E horizon: The mineral horizon in which the main feature is loss of silicate clay, iron, aluminum, or some combination of these.

B horizon: The mineral horizon below an A horizon. The B horizon is in part a layer of transition from the overlying A to the underlying C horizon. The B horizon also has distinctive characteristics, such as (1) accumulation of clay, sesquioxides, humus, or a combination of these; (2) prismatic or blocky structure; (3) redder or browner colors than those in the A horizon; or (4) a combination of these.

C horizon: The mineral horizon or layer, excluding indurated bedrock, that is little affected by soil-forming processes and does not have the properties typical of the overlying soil material. The material of a C horizon may be either like or unlike that in which the solum formed. If the material is known to differ from that in the solum, an Arabic numeral, commonly a 2, precedes the letter C.

Cr horizon: Soft, consolidated bedrock beneath the soil.

R layer: Consolidated bedrock beneath the soil. The bedrock commonly underlies a C horizon, but it can be directly below an A or a B horizon.

M layer: A root-limiting subsoil layer consisting of nearly continuous, horizontally oriented, human-manufactured materials.

W layer: A layer of water within or beneath the soil.

Humus

The well decomposed, more or less stable part of the organic matter in mineral soils.

Hydrologic soil groups

Refers to soils grouped according to their runoff potential. The soil properties that influence this potential are those that affect the minimum rate of water infiltration on a bare soil during periods after prolonged wetting when the soil is not frozen. These properties include depth to a seasonal high water table, the infiltration rate, and depth to a layer that significantly restricts the downward movement of water. The slope and the kind of plant cover are not considered but are separate factors in predicting runoff.

Igneous rock

Rock that was formed by cooling and solidification of magma and that has not been changed appreciably by weathering since its formation. Major varieties include plutonic and volcanic rock (e.g., andesite, basalt, and granite).

Illuviation

The movement of soil material from one horizon to another in the soil profile. Generally, material is removed from an upper horizon and deposited in a lower horizon.

Impervious soil

A soil through which water, air, or roots penetrate slowly or not at all. No soil is absolutely impervious to air and water all the time.

Increasers

Species in the climax vegetation that increase in amount as the more desirable plants are reduced by close grazing. Increasers commonly are the shorter plants and the less palatable to livestock.

Infiltration

The downward entry of water into the immediate surface of soil or other material, as contrasted with percolation, which is movement of water through soil layers or material.

Infiltration capacity

The maximum rate at which water can infiltrate into a soil under a given set of conditions.

Infiltration rate

The rate at which water penetrates the surface of the soil at any given instant, usually expressed in inches per hour. The rate can be limited by the infiltration capacity of the soil or the rate at which water is applied at the surface.

Intake rate

The average rate of water entering the soil under irrigation. Most soils have a fast initial rate; the rate decreases with application time. Therefore, intake rate for design purposes is not a constant but is a variable depending on the net irrigation application. The rate of water intake, in inches per hour, is expressed as follows:

Very low: Less than 0.2
Low: 0.2 to 0.4
Moderately low: 0.4 to 0.75
Moderate: 0.75 to 1.25
Moderately high: 1.25 to 1.75
High: 1.75 to 2.5
Very high: More than 2.5

Interfluve

A landform composed of the relatively undissected upland or ridge between two adjacent valleys containing streams flowing in the same general direction. An elevated area between two drainageways that sheds water to those drainageways.

Interfluve (geomorphology)

A geomorphic component of hills consisting of the uppermost, comparatively level or gently sloping area of a hill; shoulders of backwearing hillslopes can narrow the upland or can merge, resulting in a strongly convex shape.

Intermittent stream

A stream, or reach of a stream, that does not flow year-round but that is commonly dry for 3 or more months out of 12 and whose channel is generally below the local water table. It flows only during wet periods or when it receives ground-water discharge or long, continued contributions from melting snow or other surface and shallow subsurface sources.

Invaders

On range, plants that encroach into an area and grow after the climax vegetation has been reduced by grazing. Generally, plants invade following disturbance of the surface.

Iron depletions

See Redoximorphic features.

Irrigation

Application of water to soils to assist in production of crops. Methods of irrigation are:

Basin: Water is applied rapidly to nearly level plains surrounded by levees or dikes.

Border: Water is applied at the upper end of a strip in which the lateral flow of water is controlled by small earth ridges called border dikes, or borders.

Controlled flooding: Water is released at intervals from closely spaced field ditches and distributed uniformly over the field.

Corrugation: Water is applied to small, closely spaced furrows or ditches in fields of close-growing crops or in orchards so that it flows in only one direction.

Drip (or trickle): Water is applied slowly and under low pressure to the surface of the soil or into the soil through such applicators as emitters, porous tubing, or perforated pipe.

Furrow: Water is applied in small ditches made by cultivation implements. Furrows are used for tree and row crops.

Sprinkler: Water is sprayed over the soil surface through pipes or nozzles from a pressure system.

Subirrigation: Water is applied in open ditches or tile lines until the water table is raised enough to wet the soil.

Wild flooding: Water, released at high points, is allowed to flow onto an area without controlled distribution.

Kame

A low mound, knob, hummock, or short irregular ridge composed of stratified sand and gravel deposited by a subglacial stream as a fan or delta at the margin of a melting glacier; by a supraglacial stream in a low place or hole on the surface of the glacier; or as a ponded deposit on the surface or at the margin of stagnant ice.

Karst (topography)

A kind of topography that formed in limestone, gypsum, or other soluble rocks by dissolution and that is characterized by closed depressions, sinkholes, caves, and underground drainage.

Knoll

A small, low, rounded hill rising above adjacent landforms.

Ksat

See Saturated hydraulic conductivity.

Lacustrine deposit

Material deposited in lake water and exposed when the water level is lowered or the elevation of the land is raised.

Lake plain

A nearly level surface marking the floor of an extinct lake filled by well sorted, generally fine textured, stratified deposits, commonly containing varves.

Lake terrace

A narrow shelf, partly cut and partly built, produced along a lakeshore in front of a scarp line of low cliffs and later exposed when the water level falls.

Landfill (map symbol)

An area of accumulated waste products of human habitation, either above or below natural ground level.

Landslide

A general, encompassing term for most types of mass movement landforms and processes involving the downslope transport and outward deposition of soil and rock materials caused by gravitational forces; the movement may or may not involve saturated materials. The speed and distance of movement, as well as the amount of soil and rock material, vary greatly.

Large stones

Rock fragments 3 inches (7.6 centimeters) or more across. Large stones adversely affect the specified use of the soil.

Lava flow (map symbol)

A solidified, commonly lobate body of rock formed through lateral, surface outpouring of molten lava from a vent or fissure.

Leaching

The removal of soluble material from soil or other material by percolating water.

Levee (map symbol)

An embankment that confines or controls water, especially one built along the banks of a river to prevent overflow onto lowlands.

Linear extensibility

Refers to the change in length of an unconfined clod as moisture content is decreased from a moist to a dry state. Linear extensibility is used to determine the shrink-swell potential of soils. It is an expression of the volume change between the water content of the clod at $^{1}/_{3}$- or $^{1}/_{10}$-bar tension (33kPa or 10kPa tension) and oven dryness. Volume change is influenced by the amount and type of clay minerals in the soil. The volume change is the percent change for the whole soil. If it is expressed as a fraction, the resulting value is COLE, coefficient of linear extensibility.

Liquid limit

The moisture content at which the soil passes from a plastic to a liquid state.

Loam

Soil material that is 7 to 27 percent clay particles, 28 to 50 percent silt particles, and less than 52 percent sand particles.

Loess

Material transported and deposited by wind and consisting dominantly of silt-sized particles.

Low strength

The soil is not strong enough to support loads.

Low-residue crops

Such crops as corn used for silage, peas, beans, and potatoes. Residue from these crops is not adequate to control erosion until the next crop in the rotation is established. These crops return little organic matter to the soil.

Marl

An earthy, unconsolidated deposit consisting chiefly of calcium carbonate mixed with clay in approximately equal proportions; formed primarily under freshwater lacustrine conditions but also formed in more saline environments.

Marsh or swamp (map symbol)

A water-saturated, very poorly drained area that is intermittently or permanently covered by water. Sedges, cattails, and rushes are the dominant vegetation in marshes, and trees or shrubs are the dominant vegetation in swamps. Not used in map units where the named soils are poorly drained or very poorly drained.

Mass movement

A generic term for the dislodgment and downslope transport of soil and rock material as a unit under direct gravitational stress.

Masses

See Redoximorphic features.

Meander belt

The zone within which migration of a meandering channel occurs; the flood-plain area included between two imaginary lines drawn tangential to the outer bends of active channel loops.

Meander scar

A crescent-shaped, concave or linear mark on the face of a bluff or valley wall, produced by the lateral erosion of a meandering stream that impinged upon and undercut the bluff.

Meander scroll

One of a series of long, parallel, close-fitting, crescent-shaped ridges and troughs formed along the inner bank of a stream meander as the channel migrated laterally down-valley and toward the outer bank.

Mechanical treatment

Use of mechanical equipment for seeding, brush management, and other management practices.

Medium textured soil

Very fine sandy loam, loam, silt loam, or silt.

Mesa

A broad, nearly flat topped and commonly isolated landmass bounded by steep slopes or precipitous cliffs and capped by layers of resistant, nearly horizontal rocky material. The summit width is characteristically greater than the height of the bounding escarpments.

Metamorphic rock

Rock of any origin altered in mineralogical composition, chemical composition, or structure by heat, pressure, and movement at depth in the earth’s crust. Nearly all such rocks are crystalline.

Mine or quarry (map symbol)

An open excavation from which soil and underlying material have been removed and in which bedrock is exposed. Also denotes surface openings to underground mines.

Mine spoil

An accumulation of displaced earthy material, rock, or other waste material removed during mining or excavation. Also called earthy fill.

Mineral soil

Soil that is mainly mineral material and low in organic material. Its bulk density is more than that of organic soil.

Minimum tillage

Only the tillage essential to crop production and prevention of soil damage.

Miscellaneous area

A kind of map unit that has little or no natural soil and supports little or no vegetation.

Miscellaneous water (map symbol)

Small, constructed bodies of water that are used for industrial, sanitary, or mining applications and that contain water most of the year.

Moderately coarse textured soil

Coarse sandy loam, sandy loam, or fine sandy loam.

Moderately fine textured soil

Clay loam, sandy clay loam, or silty clay loam.

Mollic epipedon

A thick, dark, humus-rich surface horizon (or horizons) that has high base saturation and pedogenic soil structure. It may include the upper part of the subsoil.

Moraine

In terms of glacial geology, a mound, ridge, or other topographically distinct accumulation of unsorted, unstratified drift, predominantly till, deposited primarily by the direct action of glacial ice in a variety of landforms. Also, a general term for a landform composed mainly of till (except for kame moraines, which are composed mainly of stratified outwash) that has been deposited by a glacier. Some types of moraines are disintegration, end, ground, kame, lateral, recessional, and terminal.

Morphology, soil

The physical makeup of the soil, including the texture, structure, porosity, consistence, color, and other physical, mineral, and biological properties of the various horizons, and the thickness and arrangement of those horizons in the soil profile.

Mottling, soil

Irregular spots of different colors that vary in number and size. Descriptive terms are as follows: abundance—*few, common,* and *many;* size—*fine, medium,* and *coarse;* and contrast—*faint, distinct,* and *prominent*. The size measurements are of the diameter along the greatest dimension. *Fine* indicates less than 5 millimeters (about 0.2 inch); *medium,* from 5 to 15 millimeters (about 0.2 to 0.6 inch); and *coarse,* more than 15 millimeters (about 0.6 inch).

Mountain

A generic term for an elevated area of the land surface, rising more than 1,000 feet (300 meters) above surrounding lowlands, commonly of restricted summit area (relative to a plateau) and generally having steep sides. A mountain can

occur as a single, isolated mass or in a group forming a chain or range. Mountains are formed primarily by tectonic activity and/or volcanic action but can also be formed by differential erosion.

Muck

Dark, finely divided, well decomposed organic soil material. (See Sapric soil material.)

Mucky peat

See Hemic soil material.

Mudstone

A blocky or massive, fine grained sedimentary rock in which the proportions of clay and silt are approximately equal. Also, a general term for such material as clay, silt, claystone, siltstone, shale, and argillite and that should be used only when the amounts of clay and silt are not known or cannot be precisely identified.

Munsell notation

A designation of color by degrees of three simple variables—hue, value, and chroma. For example, a notation of 10YR 6/4 is a color with hue of 10YR, value of 6, and chroma of 4.

Natric horizon

A special kind of argillic horizon that contains enough exchangeable sodium to have an adverse effect on the physical condition of the subsoil.

Neutral soil

A soil having a pH value of 6.6 to 7.3. (See Reaction, soil.)

Nodules

See Redoximorphic features.

Nose slope (geomorphology)

A geomorphic component of hills consisting of the projecting end (laterally convex area) of a hillside. The overland waterflow is predominantly divergent. Nose slopes consist dominantly of colluvium and slope-wash sediments (for example, slope alluvium).

Nutrient, plant

Any element taken in by a plant essential to its growth. Plant nutrients are mainly nitrogen, phosphorus, potassium, calcium, magnesium, sulfur, iron, manganese, copper, boron, and zinc obtained from the soil and carbon, hydrogen, and oxygen obtained from the air and water.

Organic matter

Plant and animal residue in the soil in various stages of decomposition. The content of organic matter in the surface layer is described as follows:

Very low: Less than 0.5 percent
Low: 0.5 to 1.0 percent
Moderately low: 1.0 to 2.0 percent
Moderate: 2.0 to 4.0 percent
High: 4.0 to 8.0 percent
Very high: More than 8.0 percent

Outwash

Stratified and sorted sediments (chiefly sand and gravel) removed or “washed out” from a glacier by meltwater streams and deposited in front of or beyond the end moraine or the margin of a glacier. The coarser material is deposited nearer to the ice.

Outwash plain

An extensive lowland area of coarse textured glaciofluvial material. An outwash plain is commonly smooth; where pitted, it generally is low in relief.

Paleoterrace

An erosional remnant of a terrace that retains the surface form and alluvial deposits of its origin but was not emplaced by, and commonly does not grade to, a present-day stream or drainage network.

Pan

A compact, dense layer in a soil that impedes the movement of water and the growth of roots. For example, *hardpan, fragipan, claypan, plowpan,* and *traffic pan*.

Parent material

The unconsolidated organic and mineral material in which soil forms.

Peat

Unconsolidated material, largely undecomposed organic matter, that has accumulated under excess moisture. (See Fibric soil material.)

Ped

An individual natural soil aggregate, such as a granule, a prism, or a block.

Pedisediment

A layer of sediment, eroded from the shoulder and backslope of an erosional slope, that lies on and is being (or was) transported across a gently sloping erosional surface at the foot of a receding hill or mountain slope.

Pedon

The smallest volume that can be called “a soil.” A pedon is three dimensional and large enough to permit study of all horizons. Its area ranges from about 10 to 100 square feet (1 square meter to 10 square meters), depending on the variability of the soil.

Percolation

The movement of water through the soil.

Perennial water (map symbol)

Small, natural or constructed lakes, ponds, or pits that contain water most of the year.

Permafrost

Ground, soil, or rock that remains at or below 0 degrees C for at least 2 years. It is defined on the basis of temperature and is not necessarily frozen.

pH value

A numerical designation of acidity and alkalinity in soil. (See Reaction, soil.)

Phase, soil

A subdivision of a soil series based on features that affect its use and management, such as slope, stoniness, and flooding.

Piping

Formation of subsurface tunnels or pipelike cavities by water moving through the soil.

Pitting

Pits caused by melting around ice. They form on the soil after plant cover is removed.

Plastic limit

The moisture content at which a soil changes from semisolid to plastic.

Plasticity index

The numerical difference between the liquid limit and the plastic limit; the range of moisture content within which the soil remains plastic.

Plateau (geomorphology)

A comparatively flat area of great extent and elevation; specifically, an extensive land region that is considerably elevated (more than 100 meters) above the adjacent lower lying terrain, is commonly limited on at least one side by an abrupt descent, and has a flat or nearly level surface. A comparatively large part of a plateau surface is near summit level.

Playa

The generally dry and nearly level lake plain that occupies the lowest parts of closed depressions, such as those on intermontane basin floors. Temporary flooding occurs primarily in response to precipitation and runoff. Playa deposits are fine grained and may or may not have a high water table and saline conditions.

Plinthite

The sesquioxide-rich, humus-poor, highly weathered mixture of clay with quartz and other diluents. It commonly appears as red mottles, usually in platy, polygonal, or reticulate patterns. Plinthite changes irreversibly to an ironstone hardpan or to irregular aggregates on repeated wetting and drying, especially if it is exposed also to heat from the sun. In a moist soil, plinthite can be cut with a spade. It is a form of laterite.

Plowpan

A compacted layer formed in the soil directly below the plowed layer.

Ponding

Standing water on soils in closed depressions. Unless the soils are artificially drained, the water can be removed only by percolation or evapotranspiration.

Poorly graded

Refers to a coarse grained soil or soil material consisting mainly of particles of nearly the same size. Because there is little difference in size of the particles, density can be increased only slightly by compaction.

Pore linings

See Redoximorphic features.

Potential native plant community

See Climax plant community.

Potential rooting depth (effective rooting depth)

Depth to which roots could penetrate if the content of moisture in the soil were adequate. The soil has no properties restricting the penetration of roots to this depth.

Prescribed burning

Deliberately burning an area for specific management purposes, under the appropriate conditions of weather and soil moisture and at the proper time of day.

Productivity, soil

The capability of a soil for producing a specified plant or sequence of plants under specific management.

Profile, soil

A vertical section of the soil extending through all its horizons and into the parent material.

Proper grazing use

Grazing at an intensity that maintains enough cover to protect the soil and maintain or improve the quantity and quality of the desirable vegetation. This practice increases the vigor and reproduction capacity of the key plants and

promotes the accumulation of litter and mulch necessary to conserve soil and water.

Rangeland

Land on which the potential natural vegetation is predominantly grasses, grasslike plants, forbs, or shrubs suitable for grazing or browsing. It includes natural grasslands, savannas, many wetlands, some deserts, tundras, and areas that support certain forb and shrub communities.

Reaction, soil

A measure of acidity or alkalinity of a soil, expressed as pH values. A soil that tests to pH 7.0 is described as precisely neutral in reaction because it is neither acid nor alkaline. The degrees of acidity or alkalinity, expressed as pH values, are:

Ultra acid: Less than 3.5
Extremely acid: 3.5 to 4.4
Very strongly acid: 4.5 to 5.0
Strongly acid: 5.1 to 5.5
Moderately acid: 5.6 to 6.0
Slightly acid: 6.1 to 6.5
Neutral: 6.6 to 7.3
Slightly alkaline: 7.4 to 7.8
Moderately alkaline: 7.9 to 8.4
Strongly alkaline: 8.5 to 9.0
Very strongly alkaline: 9.1 and higher

Red beds

Sedimentary strata that are mainly red and are made up largely of sandstone and shale.

Redoximorphic concentrations

See Redoximorphic features.

Redoximorphic depletions

See Redoximorphic features.

Redoximorphic features

Redoximorphic features are associated with wetness and result from alternating periods of reduction and oxidation of iron and manganese compounds in the soil. Reduction occurs during saturation with water, and oxidation occurs when the soil is not saturated. Characteristic color patterns are created by these processes. The reduced iron and manganese ions may be removed from a soil if vertical or lateral fluxes of water occur, in which case there is no iron or manganese precipitation in that soil. Wherever the iron and manganese are oxidized and precipitated, they form either soft masses or hard concretions or nodules. Movement of iron and manganese as a result of redoximorphic processes in a soil may result in redoximorphic features that are defined as follows:

1. Redoximorphic concentrations.—These are zones of apparent accumulation of iron-manganese oxides, including:
   A. Nodules and concretions, which are cemented bodies that can be removed from the soil intact. Concretions are distinguished from nodules on the basis of internal organization. A concretion typically has concentric layers that are visible to the naked eye. Nodules do not have visible organized internal structure; *and*
   B. Masses, which are noncemented concentrations of substances within the soil matrix; *and*
   C. Pore linings, i.e., zones of accumulation along pores that may be either coatings on pore surfaces or impregnations from the matrix adjacent to the pores.
2. Redoximorphic depletions.—These are zones of low chroma (chromas less than those in the matrix) where either iron-manganese oxides alone or both iron-manganese oxides and clay have been stripped out, including:
   A. Iron depletions, i.e., zones that contain low amounts of iron and manganese oxides but have a clay content similar to that of the adjacent matrix; *and*
   B. Clay depletions, i.e., zones that contain low amounts of iron, manganese, and clay (often referred to as silt coatings or skeletans).
3. Reduced matrix.—This is a soil matrix that has low chroma *in situ* but undergoes a change in hue or chroma within 30 minutes after the soil material has been exposed to air.

Reduced matrix

See Redoximorphic features.

Regolith

All unconsolidated earth materials above the solid bedrock. It includes material weathered in place from all kinds of bedrock and alluvial, glacial, eolian, lacustrine, and pyroclastic deposits.

Relief

The relative difference in elevation between the upland summits and the lowlands or valleys of a given region.

Residuum (residual soil material)

Unconsolidated, weathered or partly weathered mineral material that accumulated as bedrock disintegrated in place.

Rill

A very small, steep-sided channel resulting from erosion and cut in unconsolidated materials by concentrated but intermittent flow of water. A rill generally is not an obstacle to wheeled vehicles and is shallow enough to be smoothed over by ordinary tillage.

Riser

The vertical or steep side slope (e.g., escarpment) of terraces, flood-plain steps, or other stepped landforms; commonly a recurring part of a series of natural, steplike landforms, such as successive stream terraces.

Road cut

A sloping surface produced by mechanical means during road construction. It is commonly on the uphill side of the road.

Rock fragments

Rock or mineral fragments having a diameter of 2 millimeters or more; for example, pebbles, cobbles, stones, and boulders.

Rock outcrop (map symbol)

An exposure of bedrock at the surface of the earth. Not used where the named soils of the surrounding map unit are shallow over bedrock or where “Rock outcrop” is a named component of the map unit.

Root zone

The part of the soil that can be penetrated by plant roots.

Runoff

The precipitation discharged into stream channels from an area. The water that flows off the surface of the land without sinking into the soil is called surface runoff. Water that enters the soil before reaching surface streams is called ground-water runoff or seepage flow from ground water.

Saline soil

A soil containing soluble salts in an amount that impairs growth of plants. A saline soil does not contain excess exchangeable sodium.

Saline spot (map symbol)

An area where the surface layer has an electrical conductivity of 8 mmhos/cm more than the surface layer of the named soils in the surrounding map unit. The surface layer of the surrounding soils has an electrical conductivity of 2 mmhos/cm or less.

Sand

As a soil separate, individual rock or mineral fragments from 0.05 millimeter to 2.0 millimeters in diameter. Most sand grains consist of quartz. As a soil textural class, a soil that is 85 percent or more sand and not more than 10 percent clay.

Sandstone

Sedimentary rock containing dominantly sand-sized particles.

Sandy spot (map symbol)

A spot where the surface layer is loamy fine sand or coarser in areas where the surface layer of the named soils in the surrounding map unit is very fine sandy loam or finer.

Sapric soil material (muck)

The most highly decomposed of all organic soil material. Muck has the least amount of plant fiber, the highest bulk density, and the lowest water content at saturation of all organic soil material.

Saturated hydraulic conductivity (Ksat)

The ease with which pores of a saturated soil transmit water. Formally, the proportionality coefficient that expresses the relationship of the rate of water movement to hydraulic gradient in Darcy's Law, a law that describes the rate of water movement through porous media. Commonly abbreviated as "Ksat." Terms describing saturated hydraulic conductivity are:

Very high: 100 or more micrometers per second (14.17 or more inches per hour)

High: 10 to 100 micrometers per second (1.417 to 14.17 inches per hour)

Moderately high: 1 to 10 micrometers per second (0.1417 inch to 1.417 inches per hour)

Moderately low: 0.1 to 1 micrometer per second (0.01417 to 0.1417 inch per hour)

Low: 0.01 to 0.1 micrometer per second (0.001417 to 0.01417 inch per hour)

Very low: Less than 0.01 micrometer per second (less than 0.001417 inch per hour).

To convert inches per hour to micrometers per second, multiply inches per hour by 7.0572. To convert micrometers per second to inches per hour, multiply micrometers per second by 0.1417.

Saturation

Wetness characterized by zero or positive pressure of the soil water. Under conditions of saturation, the water will flow from the soil matrix into an unlined auger hole.

Scarification

The act of abrading, scratching, loosening, crushing, or modifying the surface to increase water absorption or to provide a more tillable soil.

Sedimentary rock

A consolidated deposit of clastic particles, chemical precipitates, or organic remains accumulated at or near the surface of the earth under normal low temperature and pressure conditions. Sedimentary rocks include consolidated equivalents of alluvium, colluvium, drift, and eolian, lacustrine, and marine deposits. Examples are sandstone, siltstone, mudstone, claystone, shale, conglomerate, limestone, dolomite, and coal.

Sequum

A sequence consisting of an illuvial horizon and the overlying eluvial horizon. (See Eluviation.)

Series, soil

A group of soils that have profiles that are almost alike, except for differences in texture of the surface layer. All the soils of a series have horizons that are similar in composition, thickness, and arrangement.

Severely eroded spot (map symbol)

An area where, on the average, 75 percent or more of the original surface layer has been lost because of accelerated erosion. Not used in map units in which “severely eroded,” “very severely eroded,” or “gullied” is part of the map unit name.

Shale

Sedimentary rock that formed by the hardening of a deposit of clay, silty clay, or silty clay loam and that has a tendency to split into thin layers.

Sheet erosion

The removal of a fairly uniform layer of soil material from the land surface by the action of rainfall and surface runoff.

Short, steep slope (map symbol)

A narrow area of soil having slopes that are at least two slope classes steeper than the slope class of the surrounding map unit.

Shoulder

The convex, erosional surface near the top of a hillslope. A shoulder is a transition from summit to backslope.

Shrink-swell

The shrinking of soil when dry and the swelling when wet. Shrinking and swelling can damage roads, dams, building foundations, and other structures. It can also damage plant roots.

Shrub-coppice dune

A small, streamlined dune that forms around brush and clump vegetation.

Side slope (geomorphology)

A geomorphic component of hills consisting of a laterally planar area of a hillside. The overland waterflow is predominantly parallel. Side slopes are dominantly colluvium and slope-wash sediments.

Silica

A combination of silicon and oxygen. The mineral form is called quartz.

Silica-sesquioxide ratio

The ratio of the number of molecules of silica to the number of molecules of alumina and iron oxide. The more highly weathered soils or their clay fractions in warm-temperate, humid regions, and especially those in the tropics, generally have a low ratio.

Silt

As a soil separate, individual mineral particles that range in diameter from the upper limit of clay (0.002 millimeter) to the lower limit of very fine sand (0.05 millimeter). As a soil textural class, soil that is 80 percent or more silt and less than 12 percent clay.

Siltstone

An indurated silt having the texture and composition of shale but lacking its fine lamination or fissility; a massive mudstone in which silt predominates over clay.

Similar soils

Soils that share limits of diagnostic criteria, behave and perform in a similar manner, and have similar conservation needs or management requirements for the major land uses in the survey area.

Sinkhole (map symbol)

A closed, circular or elliptical depression, commonly funnel shaped, characterized by subsurface drainage and formed either by dissolution of the surface of underlying bedrock (e.g., limestone, gypsum, or salt) or by collapse of underlying caves within bedrock. Complexes of sinkholes in carbonate-rock terrain are the main components of karst topography.

Site index

A designation of the quality of a forest site based on the height of the dominant stand at an arbitrarily chosen age. For example, if the average height attained by dominant and codominant trees in a fully stocked stand at the age of 50 years is 75 feet, the site index is 75.

Slickensides (pedogenic)

Grooved, striated, and/or glossy (shiny) slip faces on structural peds, such as wedges; produced by shrink-swell processes, most commonly in soils that have a high content of expansive clays.

Slide or slip (map symbol)

A prominent landform scar or ridge caused by fairly recent mass movement or descent of earthy material resulting from failure of earth or rock under shear stress along one or several surfaces.

Slope

The inclination of the land surface from the horizontal. Percentage of slope is the vertical distance divided by horizontal distance, then multiplied by 100. Thus, a slope of 20 percent is a drop of 20 feet in 100 feet of horizontal distance.

Slope alluvium

Sediment gradually transported down the slopes of mountains or hills primarily by nonchannel alluvial processes (i.e., slope-wash processes) and characterized by particle sorting. Lateral particle sorting is evident on long slopes. In a profile sequence, sediments may be distinguished by differences in size and/or specific gravity of rock fragments and may be separated by stone lines. Burnished peds and sorting of rounded or subrounded pebbles or cobbles distinguish these materials from unsorted colluvial deposits.

Slow refill

The slow filling of ponds, resulting from restricted water transmission in the soil.

Slow water movement

Restricted downward movement of water through the soil. See Saturated hydraulic conductivity.

Sodic (alkali) soil

A soil having so high a degree of alkalinity (pH 8.5 or higher) or so high a percentage of exchangeable sodium (15 percent or more of the total exchangeable bases), or both, that plant growth is restricted.

Sodic spot (map symbol)

An area where the surface layer has a sodium adsorption ratio that is at least 10 more than that of the surface layer of the named soils in the surrounding map unit. The surface layer of the surrounding soils has a sodium adsorption ratio of 5 or less.

Sodicity

The degree to which a soil is affected by exchangeable sodium. Sodicity is expressed as a sodium adsorption ratio (SAR) of a saturation extract, or the ratio of Na^{+} to $Ca^{++} + Mg^{++}$. The degrees of sodicity and their respective ratios are:

Slight: Less than 13:1
Moderate: 13-30:1
Strong: More than 30:1

Sodium adsorption ratio (SAR)

A measure of the amount of sodium (Na) relative to calcium (Ca) and magnesium (Mg) in the water extract from saturated soil paste. It is the ratio of the Na concentration divided by the square root of one-half of the Ca + Mg concentration.

Soft bedrock

Bedrock that can be excavated with trenching machines, backhoes, small rippers, and other equipment commonly used in construction.

Soil

A natural, three-dimensional body at the earth's surface. It is capable of supporting plants and has properties resulting from the integrated effect of climate and living matter acting on earthy parent material, as conditioned by relief and by the passage of time.

Soil separates

Mineral particles less than 2 millimeters in equivalent diameter and ranging between specified size limits. The names and sizes, in millimeters, of separates recognized in the United States are as follows:

Very coarse sand: 2.0 to 1.0
Coarse sand: 1.0 to 0.5
Medium sand: 0.5 to 0.25
Fine sand: 0.25 to 0.10
Very fine sand: 0.10 to 0.05
Silt: 0.05 to 0.002
Clay: Less than 0.002

Solum

The upper part of a soil profile, above the C horizon, in which the processes of soil formation are active. The solum in soil consists of the A, E, and B horizons. Generally, the characteristics of the material in these horizons are unlike those of the material below the solum. The living roots and plant and animal activities are largely confined to the solum.

Spoil area (map symbol)

A pile of earthy materials, either smoothed or uneven, resulting from human activity.

Stone line

In a vertical cross section, a line formed by scattered fragments or a discrete layer of angular and subangular rock fragments (commonly a gravel- or cobble-sized lag concentration) that formerly was draped across a topographic surface and was later buried by additional sediments. A stone line generally caps material that was subject to weathering, soil formation, and erosion before burial. Many stone lines seem to be buried erosion pavements, originally formed by sheet and rill erosion across the land surface.

Stones

Rock fragments 10 to 24 inches (25 to 60 centimeters) in diameter if rounded or 15 to 24 inches (38 to 60 centimeters) in length if flat.

Stony

Refers to a soil containing stones in numbers that interfere with or prevent tillage.

Stony spot (map symbol)

A spot where 0.01 to 0.1 percent of the soil surface is covered by rock fragments that are more than 10 inches in diameter in areas where the surrounding soil has no surface stones.

Strath terrace

A type of stream terrace; formed as an erosional surface cut on bedrock and thinly mantled with stream deposits (alluvium).

Stream terrace

One of a series of platforms in a stream valley, flanking and more or less parallel to the stream channel, originally formed near the level of the stream; represents the remnants of an abandoned flood plain, stream bed, or valley floor produced during a former state of fluvial erosion or deposition.

Stripcropping

Growing crops in a systematic arrangement of strips or bands that provide vegetative barriers to wind erosion and water erosion.

Structure, soil

The arrangement of primary soil particles into compound particles or aggregates. The principal forms of soil structure are:

Platy: Flat and laminated

Prismatic: Vertically elongated and having flat tops

Columnar: Vertically elongated and having rounded tops

Angular blocky: Having faces that intersect at sharp angles (planes)

Subangular blocky: Having subrounded and planar faces (no sharp angles)

Granular: Small structural units with curved or very irregular faces

Structureless soil horizons are defined as follows:

Single grained: Entirely noncoherent (each grain by itself), as in loose sand

Massive: Occurring as a coherent mass

Stubble mulch

Stubble or other crop residue left on the soil or partly worked into the soil. It protects the soil from wind erosion and water erosion after harvest, during preparation of a seedbed for the next crop, and during the early growing period of the new crop.

Subsoil

Technically, the B horizon; roughly, the part of the solum below plow depth.

Subsoiling

Tilling a soil below normal plow depth, ordinarily to shatter a hardpan or claypan.

Substratum

The part of the soil below the solum.

Subsurface layer

Any surface soil horizon (A, E, AB, or EB) below the surface layer.

Summer fallow

The tillage of uncropped land during the summer to control weeds and allow storage of moisture in the soil for the growth of a later crop. A practice common in semiarid regions, where annual precipitation is not enough to produce a crop every year. Summer fallow is frequently practiced before planting winter grain.

Summit

The topographically highest position of a hillslope. It has a nearly level (planar or only slightly convex) surface.

Surface layer

The soil ordinarily moved in tillage, or its equivalent in uncultivated soil, ranging in depth from 4 to 10 inches (10 to 25 centimeters). Frequently designated as the “plow layer,” or the “Ap horizon.”

Surface soil

The A, E, AB, and EB horizons, considered collectively. It includes all subdivisions of these horizons.

Talus

Rock fragments of any size or shape (commonly coarse and angular) derived from and lying at the base of a cliff or very steep rock slope. The accumulated mass of such loose broken rock formed chiefly by falling, rolling, or sliding.

Taxadjuncts

Soils that cannot be classified in a series recognized in the classification system. Such soils are named for a series they strongly resemble and are designated as taxadjuncts to that series because they differ in ways too small to be of consequence in interpreting their use and behavior. Soils are recognized as taxadjuncts only when one or more of their characteristics are slightly outside the range defined for the family of the series for which the soils are named.

Terminal moraine

An end moraine that marks the farthest advance of a glacier. It typically has the form of a massive arcuate or concentric ridge, or complex of ridges, and is underlain by till and other types of drift.

Terrace (conservation)

An embankment, or ridge, constructed across sloping soils on the contour or at a slight angle to the contour. The terrace intercepts surface runoff so that water soaks into the soil or flows slowly to a prepared outlet. A terrace in a field

generally is built so that the field can be farmed. A terrace intended mainly for drainage has a deep channel that is maintained in permanent sod.

Terrace (geomorphology)

A steplike surface, bordering a valley floor or shoreline, that represents the former position of a flood plain, lake, or seashore. The term is usually applied both to the relatively flat summit surface (tread) that was cut or built by stream or wave action and to the steeper descending slope (scarp or riser) that has graded to a lower base level of erosion.

Terracettes

Small, irregular steplike forms on steep hillslopes, especially in pasture, formed by creep or erosion of surficial materials that may be induced or enhanced by trampling of livestock, such as sheep or cattle.

Texture, soil

The relative proportions of sand, silt, and clay particles in a mass of soil. The basic textural classes, in order of increasing proportion of fine particles, are *sand, loamy sand, sandy loam, loam, silt loam, silt, sandy clay loam, clay loam, silty clay loam, sandy clay, silty clay,* and *clay*. The sand, loamy sand, and sandy loam classes may be further divided by specifying “coarse,” “fine,” or “very fine.”

Thin layer

Otherwise suitable soil material that is too thin for the specified use.

Till

Dominantly unsorted and nonstratified drift, generally unconsolidated and deposited directly by a glacier without subsequent reworking by meltwater, and consisting of a heterogeneous mixture of clay, silt, sand, gravel, stones, and boulders; rock fragments of various lithologies are embedded within a finer matrix that can range from clay to sandy loam.

Till plain

An extensive area of level to gently undulating soils underlain predominantly by till and bounded at the distal end by subordinate recessional or end moraines.

Tilth, soil

The physical condition of the soil as related to tillage, seedbed preparation, seedling emergence, and root penetration.

Toeslope

The gently inclined surface at the base of a hillslope. Toeslopes in profile are commonly gentle and linear and are constructional surfaces forming the lower part of a hillslope continuum that grades to valley or closed-depression floors.

Topsoil

The upper part of the soil, which is the most favorable material for plant growth. It is ordinarily rich in organic matter and is used to topdress roadbanks, lawns, and land affected by mining.

Trace elements

Chemical elements, for example, zinc, cobalt, manganese, copper, and iron, in soils in extremely small amounts. They are essential to plant growth.

Tread

The flat to gently sloping, topmost, laterally extensive slope of terraces, flood-plain steps, or other stepped landforms; commonly a recurring part of a series of natural steplike landforms, such as successive stream terraces.

Tuff

A generic term for any consolidated or cemented deposit that is 50 percent or more volcanic ash.

Upland

An informal, general term for the higher ground of a region, in contrast with a low-lying adjacent area, such as a valley or plain, or for land at a higher elevation than the flood plain or low stream terrace; land above the footslope zone of the hillslope continuum.

Valley fill

The unconsolidated sediment deposited by any agent (water, wind, ice, or mass wasting) so as to fill or partly fill a valley.

Variegation

Refers to patterns of contrasting colors assumed to be inherited from the parent material rather than to be the result of poor drainage.

Varve

A sedimentary layer or a lamina or sequence of laminae deposited in a body of still water within a year. Specifically, a thin pair of graded glaciolacustrine layers seasonally deposited, usually by meltwater streams, in a glacial lake or other body of still water in front of a glacier.

Very stony spot (map symbol)

A spot where 0.1 to 3.0 percent of the soil surface is covered by rock fragments that are more than 10 inches in diameter in areas where the surface of the surrounding soil is covered by less than 0.01 percent stones.

Water bars

Smooth, shallow ditches or depressional areas that are excavated at an angle across a sloping road. They are used to reduce the downward velocity of water and divert it off and away from the road surface. Water bars can easily be driven over if constructed properly.

Weathering

All physical disintegration, chemical decomposition, and biologically induced changes in rocks or other deposits at or near the earth’s surface by atmospheric or biologic agents or by circulating surface waters but involving essentially no transport of the altered material.

Well graded

Refers to soil material consisting of coarse grained particles that are well distributed over a wide range in size or diameter. Such soil normally can be easily increased in density and bearing properties by compaction. Contrasts with poorly graded soil.

Wet spot (map symbol)

A somewhat poorly drained to very poorly drained area that is at least two drainage classes wetter than the named soils in the surrounding map unit.

Wilting point (or permanent wilting point)

The moisture content of soil, on an ovendry basis, at which a plant (specifically a sunflower) wilts so much that it does not recover when placed in a humid, dark chamber.

Windthrow

The uprooting and tipping over of trees by the wind.

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Appendix C

Cultural Resources Information

CONFIDENTIAL

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Appendix D

Phase I Environmental Site Assessment (ESA)

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Phase I Environmental Site Assessment

Kings County New Fire Station #4 Property
Hanford, California

October 8, 2020

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Kings County

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Executive Summary

- This Phase I Environmental Site Assessment Report has been prepared for Kings County for the New Fire Station project property located east of State Route 43 / 8th Ave between Houston Avenue and Hanford-Armona Road in Hanford, California (Figure 1). The property is and has historically been occupied by agriculture and adjacent residences.
- The target project property is not listed on the environmental databases researched. The adjacent property to the north Kings Waste & Recycling Authority at 7803 Hanford-Armona Road. The adjacent to the east Kings County Fire Department at 7622 Houston Ave is listed on environmental databases searched.
- Site reconnaissance was conducted on July 27, 2020.
- Interview questionnaires completed by the current owner and prospective buyer do not indicate environmental concerns.
- Provost & Pritchard has performed this ESA in general conformance with the scope and limitations of ASTM E 1527-13. This assessment has revealed no recognized environmental conditions (REC) in connection with the Property.
- In addition, non-scope considerations that do not meet the ASTM definition of a REC include:
    - The potential presence of environmentally persistent agricultural pesticides on the Property is considered a BER.

1 Introduction

1.1 Purpose

This Phase I Environmental Site Assessment Report (ESA) has been prepared for Kings County (County) for the Kings Co Fire Station 4 replacement project property (Property), located east of State Route 43 / 8th Ave between Houston Ave and Hanford-Armona Road (Figure 1 Appendix A). This ESA was performed in accordance with the scope and limitations of the American Society of Testing and Materials (ASTM) Standard Practice for Phase 1 Environmental Site Assessment Process E1527-13. This ESA was conducted to document the general environmental condition prior to construction of the new fire station. The ESA was limited to the area identified on Figure 2 in Appendix A.

The objective of this ESA is to assist the client in understanding recognized environmental conditions associated with the site's past and current use. Recognized Environmental Condition (REC) is defined as "the presence or likely presence of hazardous substances or petroleum products under conditions that indicate a release into structures on the property or into the ground, groundwater or surface water of the property."

Historical Recognized Environmental Conditions (HREC) are defined by the ASTM Standard Practice E1527-13 as an environmental condition which in the past would have been considered a recognized environmental condition, but which may or may not be considered a recognized environmental condition currently.

Business Environmental Risks (BER) include risks which can have a material environmental or environmentally driven impact on the business associated with the current or planned use of the subject property, not necessarily limited to those environmental issues required to be investigated in the standard ASTM scope. BERs may affect the liabilities and financial obligations of the client, the health and safety of site occupants, and the value and marketability of the subject property.

In addition, this ESA has also noted the presence of housekeeping and other conditions which ASTM identifies as "non-scope considerations" that may create a BER as defined above. Housekeeping conditions, a type of a BER, are generally considered de minimis conditions that in general do not present a threat to human health or the environment and generally would not be the subject of an enforcement action if brought to the attention of government agencies but could require regulatory permitting.

1.2 Detailed Scope of Services

The ESA process consisted of:

a. A review and evaluation of state and federal (i.e., U.S. EPA) environmental databases that list sites of potential impact within specified search distances;

b. A review and evaluation of reasonably ascertainable local agency records and environmental databases for historical and current documentation pertaining to the site;

c. A review and evaluation of historical use information, including aerial photographs and maps (e.g., USGS, fire insurance, etc.), tax improvement records, city directories, and building department permit records;

d. Interviews with clients and government officials, as appropriate;

e. Site reconnaissance to determine current and past uses and conditions of both the property and adjoining properties;

f. Preparation of a report detailing findings, and conclusions generated from components 'a' through 'd'.

1.3 Common Acronyms

APN: Assessor's parcel number

AST:	Above-ground storage tank
ASTM:	American Society for Testing and Materials
CUPA:	Certified Unified Program Agency
DTSC:	California Department of Toxic Substance Control
DWR:	California Department of Water Resources
EDR:	Environmental Data Resources Inc.
EPA:	United States Environmental Protection Agency
ESA:	Environmental site assessment
P&P:	Provost & Pritchard Consulting Group
REC:	Recognized environmental condition
RWQCB:	Regional Water Quality Control Board
USDA:	United States Department of Agriculture
USGS:	United States Geological Survey
UST:	Underground storage tank

1.4 Significant Assumptions and Exceptions

The ESA is designed in principle to be a cost-effective overview of a site, which should identify indications of RECs that are observable, or recorded in readily available public records. Evaluation of the Property is limited to information available through public sources, interviews, and firsthand observation. Judgments leading to opinions and recommendations are made without a complete knowledge of subsurface conditions. Findings and recommendations are made in review of information that was prepared or provided by others. This report assumed that the information provided is accurate and correct. P&P assumes that cases closed by regulatory agencies do not continue to represent a threat of groundwater impacts or vapor migration or intrusion. Additional research beyond that required by ASTM E1527-13 may yield additional information.

1.5 Limitations

Land use, site conditions (both onsite and offsite) and other factors will change over time. Since site activities and regulations could change at any time after the completion of this report, the observations, findings and opinions can be considered valid only as of the date of the site visit.

P&P's professional services were performed consistent with generally accepted environmental principles and practices in California at the time the services were performed. Judgments leading to conclusions and recommendations are made without a complete knowledge of subsurface conditions.

No environmental site assessment can wholly eliminate uncertainty regarding the potential for recognized environmental conditions in connection with a property. Performance of the practice outlined in ASTM E1527-13 is intended to reduce, but not eliminate, uncertainty regarding the potential for recognized environmental conditions in connection with a property, and this practice recognizes reasonable limits of time and cost.

Therefore, no warranty or guarantee is expressed or implied.

1.6 User Reliance

This report has been prepared for the sole benefit of Kings County. Any other person or entity without the express written consent of Provost & Pritchard Consulting Group and/or Kings County may not rely upon this report.

1.7 Site Description

The site description includes information that identifies the physical setting of the site in relation to the surrounding area. Table 1 describes the General Site Characteristics including:

- Site and physical setting
- Descriptions of roads, structures, other improvements
- Current uses of the adjoining properties

- Location of the site and maps included in Appendix A

Table 1. General Site Characteristics

ADDRESS & ASSESSOR'S PARCEL NUMBER	No address assigned. 016-130-085 See Appendix B**.**
APPROXIMATE SIZE	The project Property is approximately 15 acres.
LOCATION	The Property is located primarily within Houston Ave, State Route 43/8th Avenue, Hanford-Armona Road and 7th Avenue.
ZONING	AG-20
BUSINESS TYPE & YEARS OF OPERATION	Agricultural since at least 1937.
PRIOR LAND USE	Land use prior to 1937 is unknown.
LEGAL DESCRIPTION	The Property is described as portions of Section 4 in Township 19 South, Range 22 East, Mount Diablo Base and Meridian in the County of Kings.
ROADS	Houston borders the south end of the property, State Route 43/8th Ave to the western boundary, Hanford-Armona Road to the northern boundary and 7th Avenue to the eastern boundary.
STRUCTURES	No structures on the project property.
CURRENT USES OF ADJOINING PROPERTIES	
NORTH	Kings Waste and Recycling Authority and Hanford-Armona Road
WEST	Agriculture, State Route 43 / 8th Avenue
EAST	Kings County Fire Station #4, 7th Avenue
SOUTH	Feedlot, tractor business, agriculture, Houston Ave

2 User Provided Information

2.1 Title Records

The Property parcel is owned by Kings Waste & Recycling Authority Facility. See Appendix B**.**

2.2 Environmental Liens or Activity and Use Limitations

No environmental liens or other activity and use limitations (AULs) were reported in the EDR Environmental Lien and AUL Search. See Appendix C.

2.3 Specialized Knowledge

A user questionnaire was completed by Mrs. Parveen Sanhu of Kings Waste & Recycling Authority Facility and Mr. Donminic Tyburski of Kings County Public Works. Specialized knowledge of environmental concerns was not indicated in the questionnaire answers. See Appendix M.

2.4 Valuation Reduction for Environmental Issues

Not applicable.

2.5 Owners, Property Manager, and Occupant Information

The project Property is owned and managed by Kings Waste & Recycling Authority Facility.

2.6 Reasons for Performing ESA

This ESA was conducted to assist Kings County with portions of its due diligence in a potential property transaction and to meet the criteria of the All Appropriate Inquiry (AAI) standard in regard to previous ownership, uses, and environmental conditions of the property for the purposes of qualifying for certain landowner liability protections under CERCLA.

3 Records Review

3.1 Standard Environmental Records Sources

Federal, state and local regulatory agencies databases lists were available for review. The purpose of the records review is to obtain and review records that would help to identify recognized environmental conditions in connection with the Property. Provost & Pritchard contracted with a commercial database service, Environmental Data Resources (EDR), to review the regulatory agency lists for reference to the Property and any listings within the appropriate ASTM minimum search distance from the site. The federal and state databases reviewed are listed below with a brief description of the potential environmental risk, if applicable. A copy of the EDR report is included in Appendix C.

The following federal and state databases were reviewed for assessment. The respective search distances are included in the EDR Radius Map Report in the Map Findings Summary.

3.1.1 Federal and State Databases

- National Priority List (NPL), Proposed NPL, and NPL LIENS
- Delisted NPL Site List
- Comprehensive Environmental Response, Compensation, and Liability Information System (CERCLIS), Federal Facility
- CERCLIS No Further Action (CERCLIS-NFRAP)
- Corrective Action Report (CORRACTS)
- Resource Conservation and Recovery Act Information (RCRA) TSDF- RCRA small and large generators
- Federal Institutional Controls/Engineering Controls Registry
- Emergency Response Notification System (ERNS),
- State and Tribal NPL Equivalent-(RESPONSE)
- State and Tribal CERCLIS Equivalent (ENVIROSTOR)
- State and Tribal Landfill or Solid Waste Disposal Site (SWF/LF)
- State and Tribal leaking storage tanks (LUST, SLIC, and INDIAN LUST)
- State and Tribal registered storage tank list (UST, AST, INDIAN UST, FEMA UST)
- State and Tribal Voluntary Cleanup Sites (INDIAN VCP, VCP)
- State Hazardous Waste Information System (HAZNET)
- California Drug Laboratory (CDL)

3.1.2 Database Findings

The Property is not listed on the state or federal databases searched by EDR. Two adjacent properties Kings Waste and Recycling Authority Facility and Kings County Fire Department Station #4 are listed on the EDR databases. The Kings Waste and Recycling Facility is listed on the UST database. A portion of the Kings Waste and Recycling Facility was formerly the Hanford Inert Landfill from 1974-1997, which is

listed on the SWF/LF and CERS databases. The Kings County Fire Department is listed on the FINDS, EMI, CERS, and HTWS databases.

3.1.3 Kings County Assessor's Office (Appendix B)

Information for the Kings County assessor parcel numbers (APNs) on the Property are shown in property details from ParcelQuest and tax assessors maps included in Appendix B.

3.1.4 Vapor Encroachment Screen (Appendix C)

The EDR Vapor Encroachment Screen was designed to assist parties seeking to meet the search requirements of the ASTM Standard Practice for Assessment of Vapor Encroachment into Structures on Property involved in Real Estate Transactions (E-2600-10). A Vapor Encroachment Screen was prepared using EDR's Vapor Encroachment Worksheet and is included in Appendix C. The Screen indicates that vapor encroachment conditions (VECs) do not exist for the Property. This is based on the presence or absence of hazardous substances, proximity to the Property, groundwater flow, and geologic barriers or pathways. Given there are hazardous substances identified in the search radius by EDR, the VEC results seems reasonable.

No vapor encroachment screen can wholly eliminate uncertainty regarding VECs. Screening is intended to reduce, but not eliminate, uncertainty regarding whether a VEC exists in connection with a property. Further, findings regarding VECs do not determine whether a REC is or is not present.

3.1.5 CalEPA nSite

The California Environmental Protection Agency (CalEPA) maintains a data warehouse system (nSite) for the California Enviroview program. This data warehouse combines and merges facility and site information from: California Environmental Reporting System (CERS), EnviroStor, GeoTracker, California Integrated Water Quality System (CIWQS), and Toxic Release Inventory (TRI).

The project property is not listed on the CalEPA nSite database. However, the adjacent Kings Waste & Recycling Facility and Kings County Fire Station are listed on the on the database for similar results as the EDR database.

3.1.6 Kings County Certified Unified Program Agency (Appendix D)

The Unified Program regulates hazardous waste and hazardous materials by ensuring consistency throughout the state regarding the implementation of administrative requirements, permits, inspections, and enforcement at the local regulatory level. CalEPA oversees the statewide implementation of the Unified Program and its 81 certified local agencies, known as Certified Unified Program Agencies (CUPAs), which apply regulatory standards established by State agencies. The CUPA for the County of Kings is the Environmental Health Services Division. Records were reviewed from the CalARP facilities in Kings County and the Property was not listed.

3.1.7 Building Department Records (Appendix E)

No building permits were found for the Property in the EDR Building Permit Report. Historic aerial photographs and topographic maps also do not indicate the past presence of buildings.

3.1.8 California Geologic Energy Management Division (Appendix F)

The State of California Geologic Energy Management Division (CalGEM, formerly DOGGR) maintains the Well Finder web site with maps showing the locations of oil and gas wells the department has records of. A review of the oil and gas maps contains no records of oil or gas wells drilled on the Property.

Records for a plugged and dry hole on the adjacent property to the northeast is included in Appendix F.

3.1.9 Department of Toxic Substances Control (Appendix G)

EnviroStor is the Department of Toxic Substances Control's (DTSC) data management system for tracking our cleanup, permitting, enforcement and investigation efforts at hazardous waste facilities and

sites with known contamination or sites where there may be reasons to investigate further. A review of the EnviroStor website indicates that no records exist for this Property.

3.1.10 Regional Water Quality Control Board (Appendix H)

GeoTracker is the California State Water Resources Control Boards' data management system for sites that impact, or have the potential to impact, water quality in California, with emphasis on groundwater. GeoTracker portals retrieve records and view integrated data sets from multiple State Water Board programs and other agencies. A review of the GeoTracker website indicates that no records exist for this Property.

3.1.11 San Joaquin Valley Air Pollution Control District (Appendix I)

The San Joaquin Valley Air Pollution Control District was contacted for the adjacent Kings County Fire Station. All available records for the fire station are included in Appendix I.

3.2 Physical Setting

The geologic and hydrologic conditions beneath the Property were researched to evaluate whether hazardous substances are likely to migrate into groundwater or soil beneath the site, either from on or off-site sources.

3.2.1 Geological Conditions

The site is located in the San Joaquin Valley. The valley is underlain generally by sedimentary deposits of silt, sand and gravel. The valley is bordered on the east by the Sierra Nevada Mountains whose altitude ranges from less than 1,000 feet in the foothills to more than 14,000 feet above sea level near the crest of the range. The Coast Ranges, bordering the valley on the west, consist of a series of folded and faulted marine and volcanic rocks which rise to about 6,000 feet above sea level (Croft and Gordon, 1968).

The geomorphic province is known as the Great Valley, or Central Valley. The Sacramento Valley makes up the northern third and the San Joaquin Valley makes up the southern two thirds of the geomorphic province. Both valleys are watered by large rivers flowing west from the Sierra Nevada Range, with smaller tributaries flowing east from the Coast Ranges. Gently rolling plains and hills rise from the valley floor along the borders with the surrounding mountainous provinces (Harden, 1998).

Most of the surface of the Great Valley is covered by Quaternary alluvium. Sediments eroded from the Sierra Nevada and Coast Ranges are deposited on the floodplains and bottomlands of the flat-bottomed valley. In the central, lower parts of the Great Valley, young Cenozoic alluvium is underlain by an incredible thickness of older sediments and sedimentary rocks. The basin is deeper on the western side of the valley, where it is filled by as much as 20,000 meters of sediment. Along the eastern margin of the basin, the sedimentary formations are steeply upturned due to the uplifted Sierra Nevada Range (Harden, 1998).

3.2.2 Hydrogeology

The Property is within the boundary of the Kings Subbasin of the San Joaquin Valley Groundwater Basin. The Kings Subbasin is drained by the San Joaquin River and its tributaries and is recharged by river and stream seepage, deep percolation of irrigation water, canal seepage, and intentional recharge (DWR, 2003). Groundwater in the subbasin generally flows southwest (DWR, 2003).

The estimated depth to groundwater at the Property is between 110 and 120 feet below the ground surface (bgs) based on the California Department of Water Resources (DWR) Spring 2018 measurements in the area. The groundwater flow is generally to the west. See map in Appendix J.

3.2.3 USDA Soil Survey

The USDA Soil Survey Map indicates that the site’s soils are primarily composed of Kimberlina fine sandy loam. This soil type generally has moderate infiltration rates and moderately well drained with moderately coarse textures. A soils map and description of the units is included in the GeoCheck section of the EDR Radius Map Report in Appendix C.

3.3 Historical Use Information

History of the previous use of the property and surrounding area was researched in order to help identify the likelihood of past uses that may have resulted in RECs in connection with the Property. The following standard historical sources were reviewed to identify past use back to at least 1940, or when first developed.

3.3.1 Aerial Photographs (Appendix K)

Years reviewed: 1937, 1940, 1950, 1966, 1974, 1976, 1984, 1994, 2006, 2009, 2012, 2016

In the aerial photo from 1937 the Property appears to be occupied by row crops and vacant areas. The property has more row crops in 1940, and by 1950, the majority of the property is planted in row crops. By 1960, the entire property is covered in row crops.

The Property appears relatively unchanged in the aerial photographs from 1960 through 1981. In the 2006 aerial, Kings Waste & Recycling Authority has been built along the northern edge of the project property. The property remains relatively unchanged since 2006.

3.3.2 Topographic Maps (Appendix L)

USGS 7.5-minute topographic maps of the Remnoy quadrangle from 1927, 1954, and 2012 were reviewed for the Property and surrounding area.

The Property is relatively flat. Minimal changes occur on the project throughout the years covered.

Little development is mapped in the surrounding area.

3.3.3 City Directories (Appendix C)

The EDR-City Directory Image Report provided directory listings for years 1975, 1980, 1985, 1992, 1995, 2000, 2005, 2010, 2014, and 2017. The Property does not have an assigned address.

Adjacent properties listed on Houston Ave appear to be residences through the years.

3.3.4 Sanborn Fire Insurance Maps (Appendix C)

Sanborn Fire Insurance Maps are not available for the Property.

3.4 Historical Use Information on Adjoining Properties

Based on aerial imagery, topographic maps, city directory listings, and database listings reviewed, properties adjoining and surrounding the subject Property have historically been primarily agricultural operations and Kings Waste & Recycling Authority.

4 Site Reconnaissance

4.1 Methodology and Limiting Conditions

An unescorted site reconnaissance was conducted on July 27, 2020 by Stephanie Gillaspy of Provost & Pritchard Consulting Group to document the physical setting of the site, verify information obtained from the agency records (if available), and obtain site-specific information where no records were available. The objective of a site reconnaissance is to obtain information indicating the likelihood of identifying RECs in connection with the subject property.

Limiting conditions of the site reconnaissance included planted corn rows. The Property was observed from the perimeter of the existing corn rows.

Table 2 lists the observations noted during the site reconnaissance. The photographs of the Property are in Appendix A.

4.2 General Site Setting

Table 2 Site Observations

Checked	Observations	Remarks
√	Property boundaries	Approximate Property boundaries are roads and a fence line
√	Location and boundaries of onsite operations (present and past)	The property is surrounded by dirt roads.
√	Foundations of former structures	None observed.
√	Underground storage tanks	None observed.
√	Aboveground storage tanks	None observed.
√	Storage areas (including empty drum storage)	None observed.
√	Odors	None observed.
√	Pools of liquids (including standing surface water)	None observed.
√	Electrical or hydraulic equipment suspected to contain PCBs	None observed.
√	Hazardous substances and petroleum products in connections with identified uses	None observed.
√	Hazardous substances and petroleum products in connections with unidentified uses	None observed.
√	Stained soils and pavement, corrosion and degradation of floors and walls	None observed.
√	Drains and sumps	None observed.
√	Pits, ponds, and lagoons	None observed.
√	Surface drainage pathways	No pathways onto or off of Property.
√	Stress vegetation (from something other than insufficient water)	None observed.
√	Solid waste and wastewater	None observed.
√	Septic system	None observed.
√	Potable water supply	None observed.
√	Wells (including dry wells, domestic and irrigation wells, injection wells and monitoring wells)	Onsite domestic well.

4.3 Exterior Observations

The periphery of the property was observed to evaluate evidence of an avenue for the disposal of hazardous substance or petroleum products. No pathway was observed.

4.4 Interior Observations

Not applicable- no structures were entered.

5 Interviews

5.1 Interview with Owners

An interview questionnaire was completed by Mrs. Parveen Sandhu, Management Analyst of Kings Waste & Recycling Authority. She has been associated with the property for 25 years. She indicated a portion of the adjacent to the project property was previously a landfill open from 1974-1997 and has been a transfer station since 1995. The landfill is directly north of the current Kings Waste & Recycling

Authority facility. An underground storage tank in indicated on the aerial as directly east of the KW&RA building. An aerial map was provided by Mrs. Sandhu and included in Appendix M.

5.2 Interview with Site Manager

Not applicable as there is no site manager.

5.3 Interviews with Occupants

Not applicable as there are no occupants.

5.4 Interviews with Local Government Officials

Local agencies were contacted for records and not interviewed.

5.5 Interviews with Others

No interviews with others were conducted.

6 Findings and Opinion

The Property has been agricultural land since at least 1937 and is currently planted with corn. No evidence of buildings was observed or reviewed on the site. Surrounding properties have historically been mainly agriculture and currently include residences, Kings Waste & Recycling Authority, Kings County Fire Station #4, and tractor storage and a landfill and transfer station. The adjacent property to the north of the project property was previously a landfill open from 1974-1997 and has been a transfer station since 1995.

Because of the prevalence of agriculture on and around the Property, agricultural pesticides likely to have been applied according to label instructions, may represent a BER at the site depending on intended future use for the Property. Organochlorine pesticides (OCP) are environmentally persistent and relatively immobile in soil and many present a human health risk above certain concentrations. Residual concentrations of some banned OCPs have been detected above regulatory criteria in areas where they were applied at manufacturer's application rates. If specific information is required on the presence or absence of OCP, a sampling and analyses program should be developed and executed.

The project Property is not listed on the state or federal databases searched by EDR. Two adjacent properties Kings Waste and Recycling Authority Facility and Kings County Fire Department Station #4 are listed on the EDR databases. The Kings Waste and Recycling Facility is listed on the UST database. The Kings Waste and Recycling Facility was formerly the Hanford Inert Landfill from 1974-1997, which is listed on the SWF/LF and CERS databases. The Kings County Fire Department is listed on the FINDS, EMI, CERS, and HTWS databases.

Site reconnaissance revealed that the project Property is currently occupied by corn and currently has no structures. An irrigation well and an unused covered well were observed near each other at the eastern boundary of the Property. An existing, onsite well is used for the existing fire station and will continue to be used for the new station.

An interview questionnaire was completed by Mrs. Parveen Sandhu, Management Analyst of Kings Waste & Recycling Authority. She has been associated with the property for 25 years. She indicated a portion of the adjacent to the project property was previously a landfill open from 1974-1997 and has been a transfer station since 1995. The landfill is directly north of the current Kings Waste & Recycling Authority facility. An underground storage tank in indicated on the aerial as directly east of the KW&RA building. An aerial map was provided by Mrs. Sandhu and included in Appendix M.

The EDR Vapor Encroachment Screen was designed to assist parties seeking to meet the search requirements of the ASTM Standard Practice for Assessment of Vapor Encroachment into Structures on Property involved in Real Estate Transactions (E-2600-10). The Screen indicates that vapor encroachment conditions do not exist for the Property.

7 Data Gaps

A data gap is a lack of or inability to obtain information required by ASTM E1527-13 despite good faith efforts to gather such information.

Aerial photographs and topographic maps provided were not at an interval of five years. Interviews were not conducted as no one familiar with the Property historic use was identified. These data gaps are not suspected to be significant.

8 Conclusions

We have performed a Phase I Environmental Site Assessment (ESA) in conformance with the scope and limitations of ASTM E 1527-13 of the Kings County Fire Station #4 Property in Kings County, California. Any exceptions to, or deletions from, this practice are described in Section 1.4 of this report.

This assessment has revealed no evidence of RECs in connection with the property.

In addition, non-scope considerations that do not meet the ASTM definition of a REC include:

- The potential presence of environmentally persistent agricultural pesticides on the Property represents a BER.

9 Environmental Professional Statement

Provost & Pritchard Consulting Group declares that, to the best of our professional knowledge and belief, we meet the definition of environmental professional as defined in section 312.10 of 40 CFR Part 312.

Provost & Pritchard Consulting Group has the specific qualifications based on education, training, and experience to assess a property of the nature, history, and setting of the subject property. We have developed and performed all appropriate inquiries in conformance with the standards and practices set forth in 40 CFR Part 312.

10 References

California Department of Conservation, Division of Oil, Gas, and Geothermal Resources. Well Finder. https://www.conservation.ca.gov/dog/Pages/WellFinder.aspx

California Department of Water Resources (DWR), California's Groundwater Bulletin 118, San Joaquin River Hydrologic Region, San Joaquin Valley Groundwater Basin, Delta Mendota Subbasin, 2003.

California Department of Water Resources. Groundwater Information Center. https://gis.water.ca.gov/app/gicima/

California Department of Toxic Substances Control. EnviroStor. https://www.envirostor.dtsc.ca.gov/public/

California State Water Resources Control Board. GeoTracker. https://geotracker.waterboards.ca.gov/

CalEPA. Regulated Site Portal, nSite. https://siteportal.calepa.ca.gov/nsite/map

Croft, MG, and Gordon, GV. 1968. Geology, Hydrology, and Quality of Water in the Hanford-Visalia Area, San Joaquin Valley, California. USGS Open-File Report.

Environmental Data Resources, Inc. (EDR), 6 Armstrong Road, Shelton, CT 06484.

Harden, DR. 1998. California Geology. Second edition. Prentice Hall.

UC Davis. SoilWeb Apps. https://casoilresource.lawr.ucdavis.edu/soilweb-apps/

11 Environmental Professional(s) Resume(s)

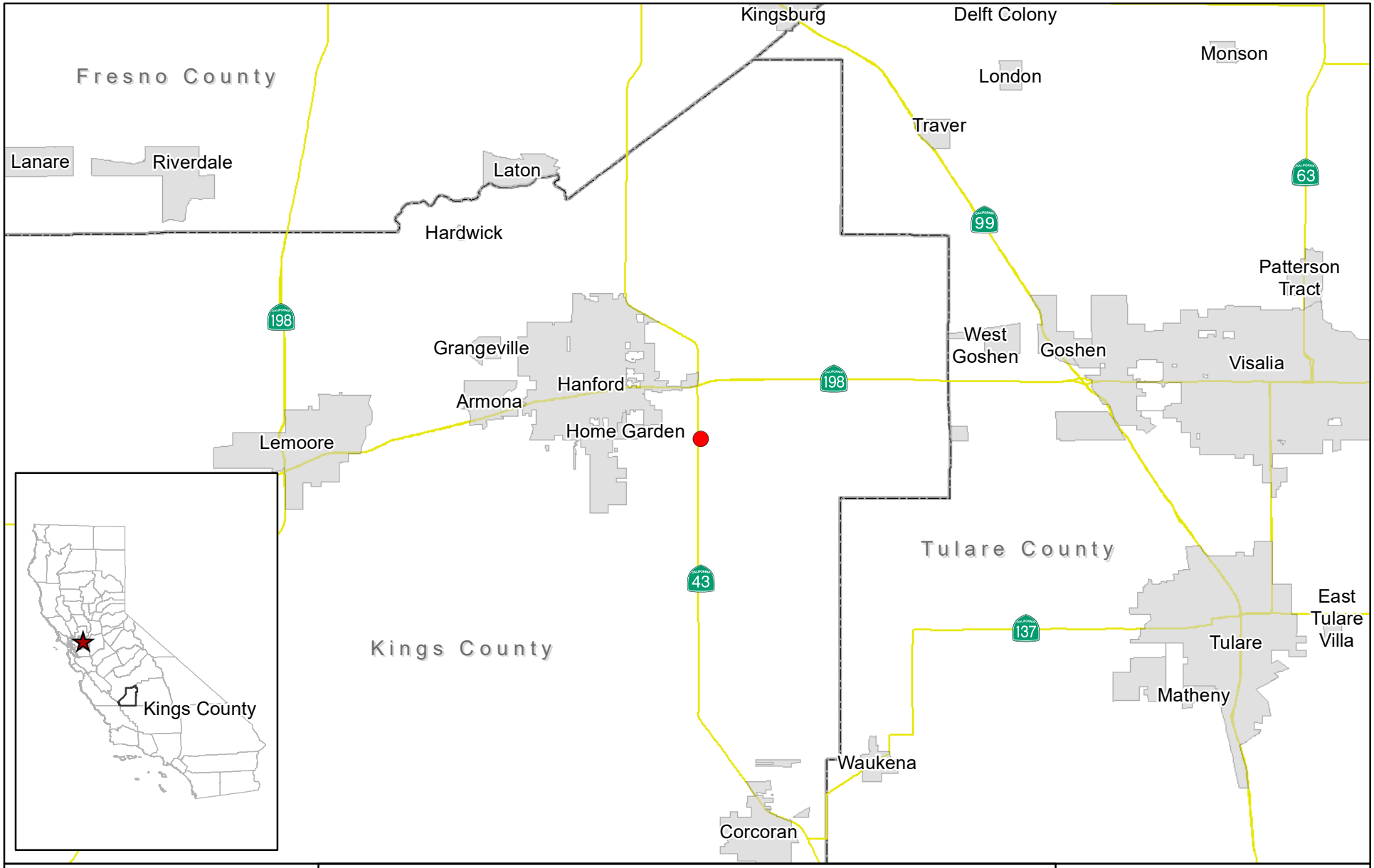
Appendix A

Vicinity Map

Site Map

Photo Location Map

Site Photographs



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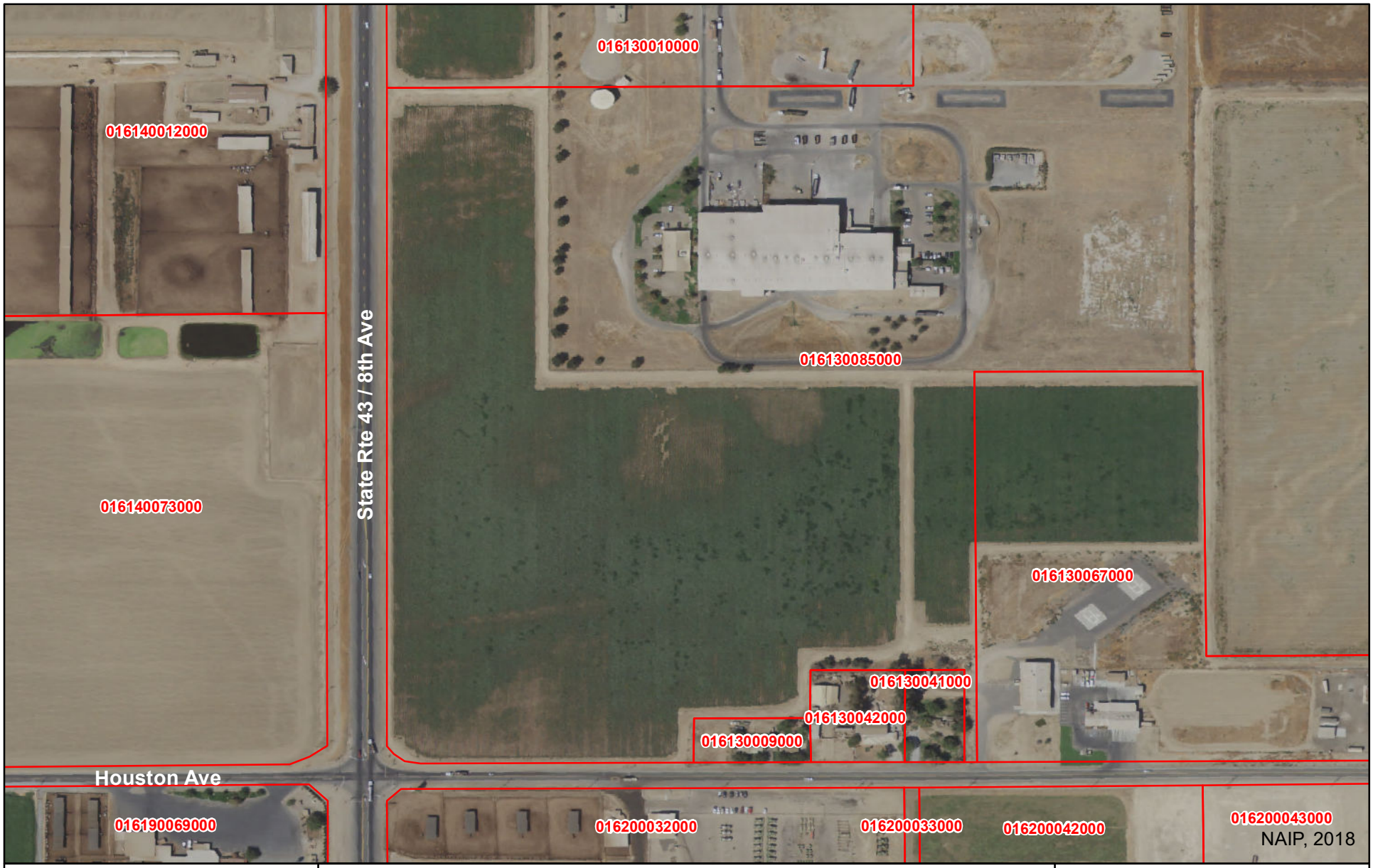


EST. 1968
PROVOST& PRITCHARD
CONSULTING GROUP
An Employee Owned Company

N

0 150 300
Feet

Kings County Parcels

Kings County

APN Site Location

7/30/2020 : G:\Kings County of-1318\131820002-New Fire Station\400 GIS\Map\GeoJot_SiteVisit\APN.mxd

EST. 1968
PROVOST& PRITCHARD
CONSULTING GROUP
An Employee Owned Company

N

0 150 300
Feet

Photo Locations

Kings County

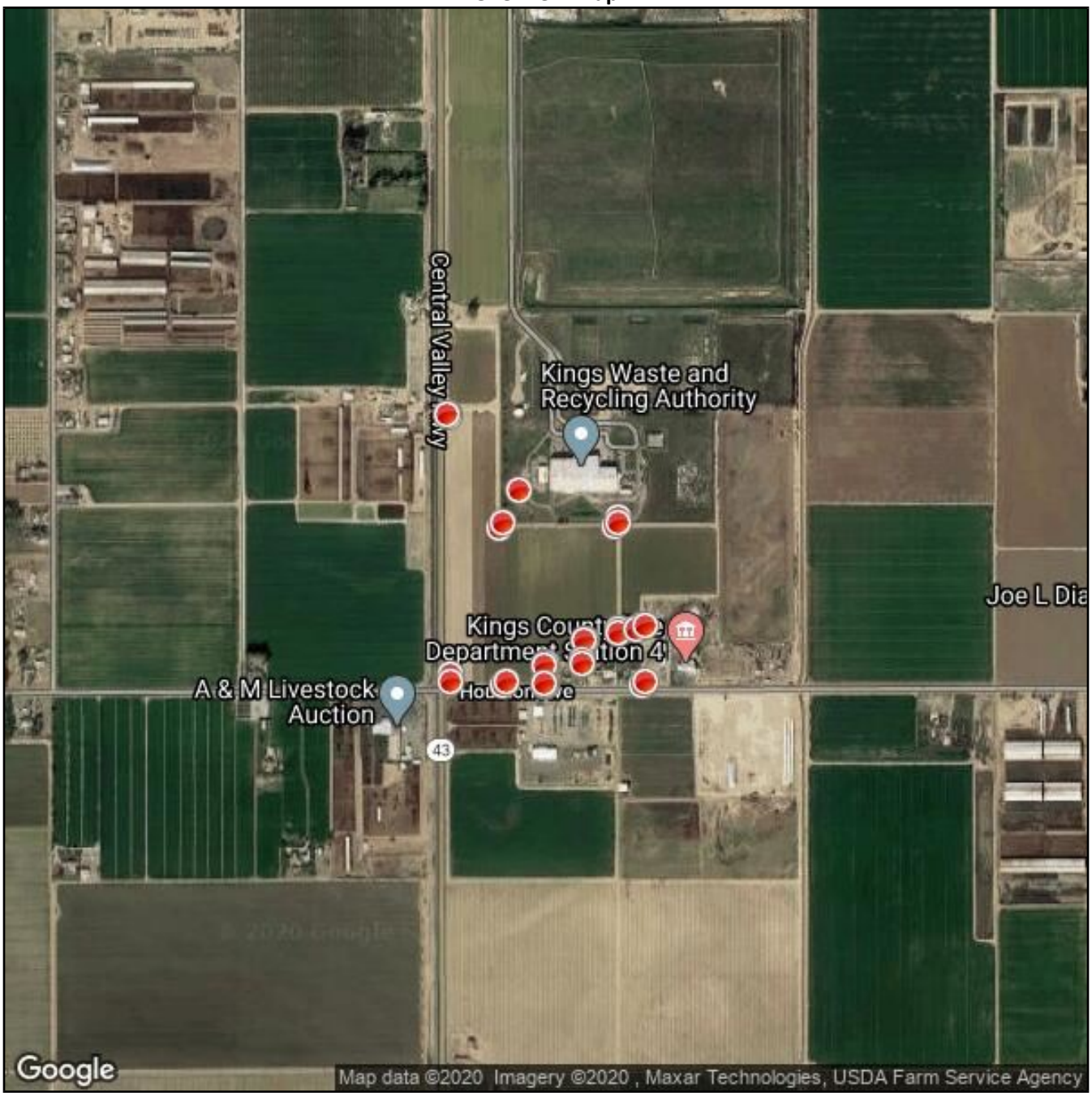
Photo Location

7/30/2020 : G:\Kings County of-1318\131820002-New Fire Station\400 GIS\Map\GeoJot_SiteVisit\PhotoLocation.mxd

Kings County

New Fire Station - Site Visit

Overview Map



Kings County

New Fire Station - Site Visit

Attributes	
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	Looking east
Latitude	N 36° 17' 54.89"
Longitude	W 119° 35' 57.34"

SiteVisit (1).JPG

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Longitude	W 119° 35' 57.09"

SiteVisit (2).JPG

Title:

Attributes	
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Longitude	W 119° 36' 01.88"

SiteVisit (3).JPG

Title:

Kings County

New Fire Station - Site Visit

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Longitude	W 119° 36' 01.88"

SiteVisit (4).JPG

Title:

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Longitude	W 119° 36' 01.99"

SiteVisit (5).JPG

Title:

Attributes	
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Longitude	W 119° 36' 01.97"

SiteVisit (6).JPG

Title:

Kings County

New Fire Station - Site Visit

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Title:

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	Looking north
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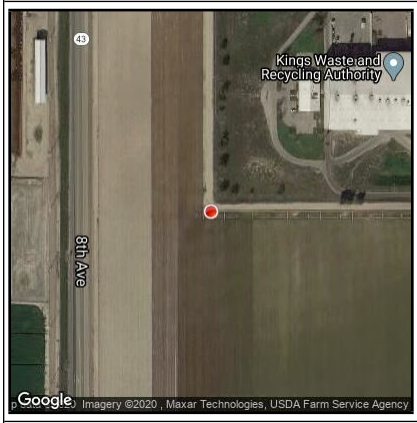
Longitude	W 119° 35' 57.70"

SiteVisit (8).JPG



Title:

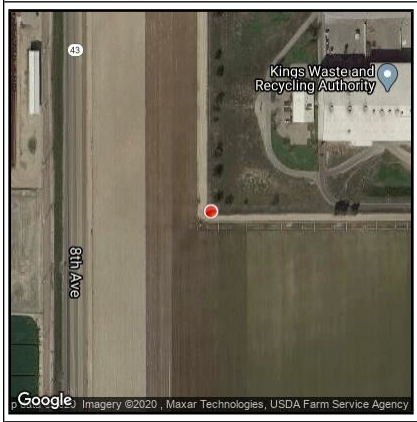
Attributes	
File Name	SiteVisit (9).JPG
Date/Time	7/27/2020 11:04:39 AM
	Looking east
Latitude	N 36° 18' 08.41"
Longitude	W 119° 35' 56.08"

SiteVisit (9).JPG

Title:

Attributes	
File Name	SiteVisit (10).JPG
Date/Time	7/27/2020 11:04:54 AM
	Looking south
Latitude	N 36° 18' 06.16"
Longitude	W 119° 35' 57.43"

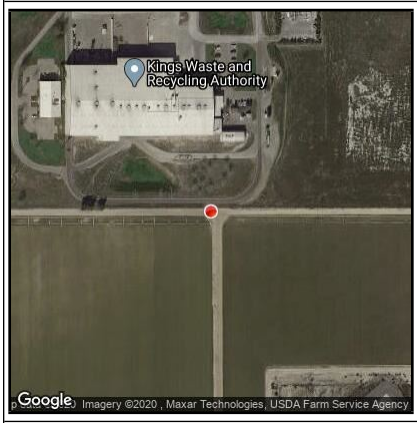
SiteVisit (10).JPG



Title:

Attributes	
File Name	SiteVisit (11).JPG
Date/Time	7/27/2020 11:09:13 AM
	Looking west
Latitude	N 36° 18' 05.99"
Longitude	W 119° 35' 47.69"

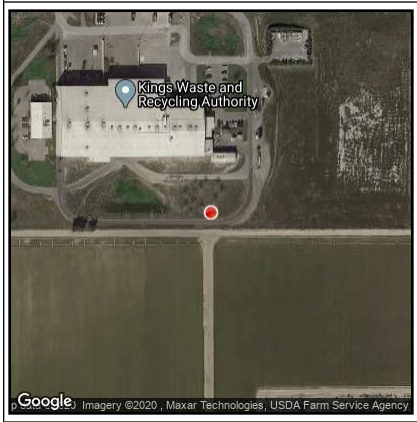
SiteVisit (11).JPG



Title:

Attributes	
File Name	SiteVisit (12).JPG
Date/Time	7/27/2020 11:09:27 AM
	Looking east
Latitude	N 36° 18' 06.60"
Longitude	W 119° 35' 47.35"

SiteVisit (12).JPG



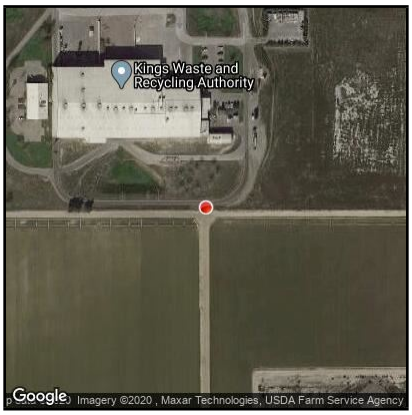
Title:

Kings County

New Fire Station - Site Visit

Attributes	
File Name	SiteVisit (13).JPG
Date/Time	7/27/2020 11:09:38 AM
	Looking south
Latitude	N 36° 18' 06.19"
Longitude	W 119° 35' 47.37"

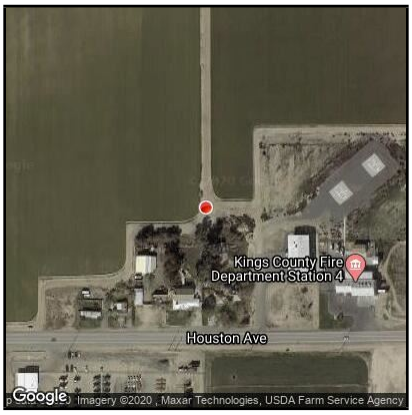
SiteVisit (13).JPG



Title:

Attributes	
File Name	SiteVisit (14).JPG
Date/Time	7/27/2020 11:11:38 AM
	Looking north
Latitude	N 36° 17' 58.63"
Longitude	W 119° 35' 47.43"

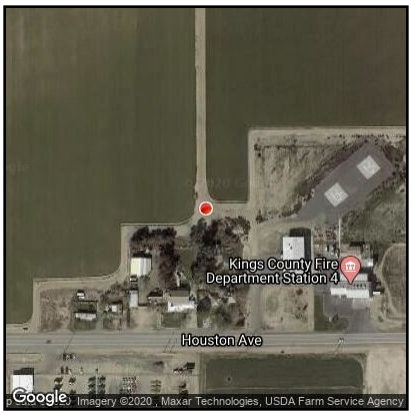
SiteVisit (14).JPG



Title:

Attributes	
File Name	SiteVisit (15).JPG
Date/Time	7/27/2020 11:11:52 AM
	Looking east
Latitude	N 36° 17' 58.68"
Longitude	W 119° 35' 47.21"

SiteVisit (15).JPG



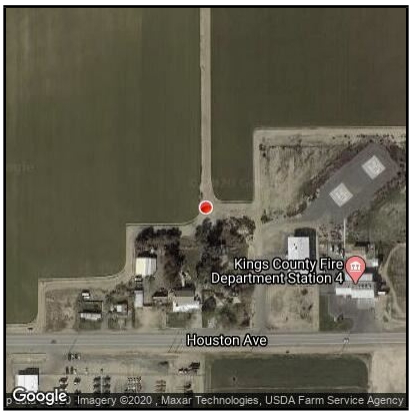
Title:

Kings County

New Fire Station - Site Visit

Attributes	
File Name	SiteVisit (16).JPG
Date/Time	7/27/2020 11:12:03 AM
	Looking north
Latitude	N 36° 17' 58.69"
Longitude	W 119° 35' 47.42"

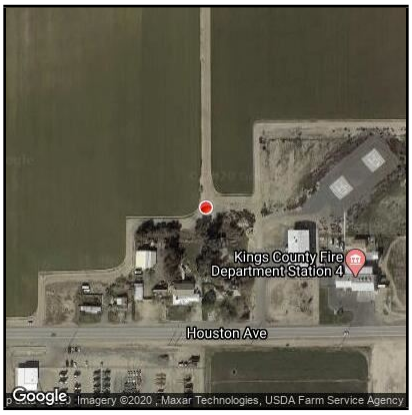
SiteVisit (16).JPG



Title:

Attributes	
File Name	SiteVisit (17).JPG
Date/Time	7/27/2020 11:12:15 AM
	Looking west
Latitude	N 36° 17' 58.49"
Longitude	W 119° 35' 47.41"

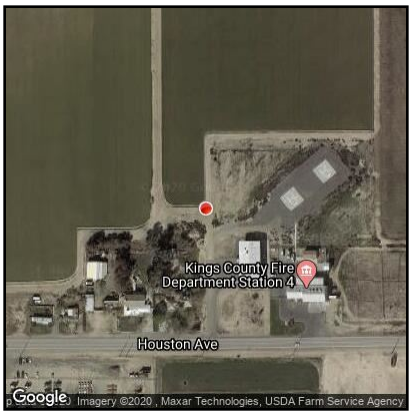
SiteVisit (17).JPG



Title:

Attributes	
File Name	SiteVisit (18).JPG
Date/Time	7/27/2020 11:14:42 AM
	Looking north
Latitude	N 36° 17' 58.79"
Longitude	W 119° 35' 45.52"

SiteVisit (18).JPG



Title:

Attributes	
File Name	SiteVisit (19).JPG
Date/Time	7/27/2020 11:14:53 AM
	Looking west
Latitude	N 36° 17' 58.95"
Longitude	W 119° 35' 45.43"

SiteVisit (19).JPG

Title:

Attributes	
File Name	SiteVisit (20).JPG
Date/Time	7/27/2020 11:15:03 AM
	Looking east
Latitude	N 36° 17' 58.73"
Longitude	W 119° 35' 45.79"

SiteVisit (20).JPG

Title:

Attributes	
File Name	SiteVisit (21).JPG
Date/Time	7/27/2020 11:15:15 AM
	Looking south
Latitude	N 36° 17' 58.92"
Longitude	W 119° 35' 45.11"

SiteVisit (21).JPG

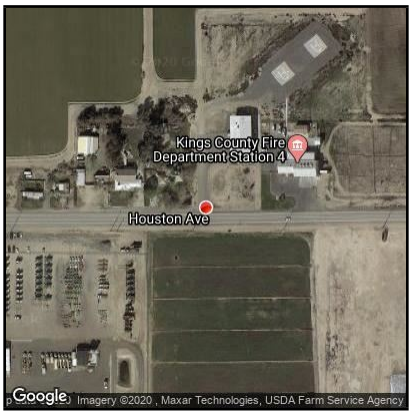
Title:

Kings County

New Fire Station - Site Visit

Attributes	
File Name	SiteVisit (22).JPG
Date/Time	7/27/2020 11:16:19 AM
	Looking east
Latitude	N 36° 17' 54.92"
Longitude	W 119° 35' 45.16"

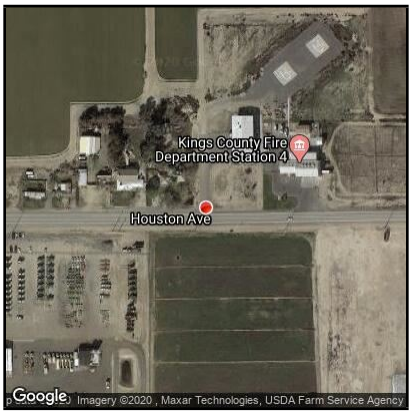
SiteVisit (22).JPG



Title:

Attributes	
File Name	SiteVisit (23).JPG
Date/Time	7/27/2020 11:16:29 AM
	Looking north
Latitude	N 36° 17' 54.93"
Longitude	W 119° 35' 45.24"

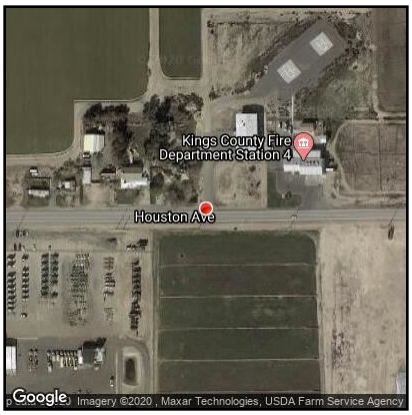
SiteVisit (23).JPG



Title:

Attributes	
File Name	SiteVisit (24).JPG
Date/Time	7/27/2020 11:16:45 AM
	Looking west
Latitude	N 36° 17' 54.84"
Longitude	W 119° 35' 45.41"

SiteVisit (24).JPG



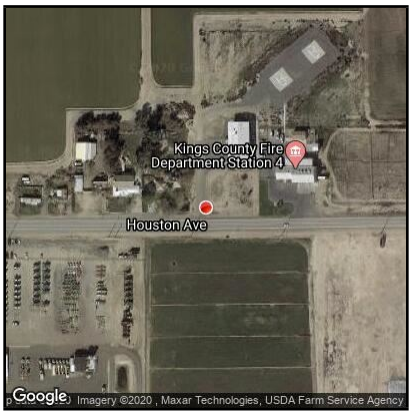
Title:

Kings County

New Fire Station - Site Visit

Attributes	
File Name	SiteVisit (25).JPG
Date/Time	7/27/2020 11:16:56 AM
	Looking south
Latitude	N 36° 17' 55.13"
Longitude	W 119° 35' 45.08"

SiteVisit (25).JPG



Title:

Attributes	
File Name	SiteVisit (26).JPG
Date/Time	7/27/2020 11:21:05 AM
	Looking east
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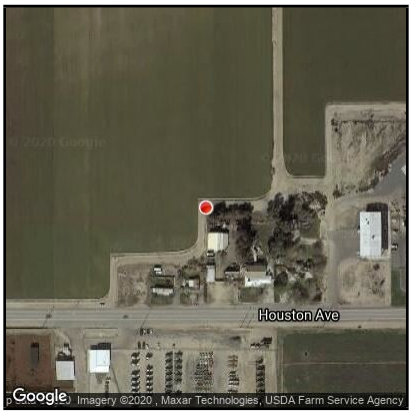
Longitude	W 119° 35' 50.17"

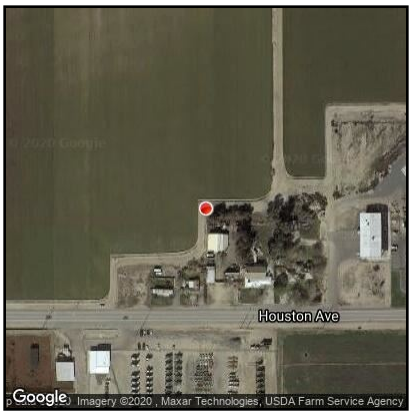
SiteVisit (26).JPG



Title:

Attributes	
File Name	SiteVisit (27).JPG
Date/Time	7/27/2020 11:21:16 AM
	Looking south
Latitude	N 36° 17' 57.92"
Longitude	W 119° 35' 50.17"

SiteVisit (27).JPG



Title:

Kings County

New Fire Station - Site Visit

Attributes	
File Name	SiteVisit (28).JPG
Date/Time	7/27/2020 11:21:27 AM
	Looking west
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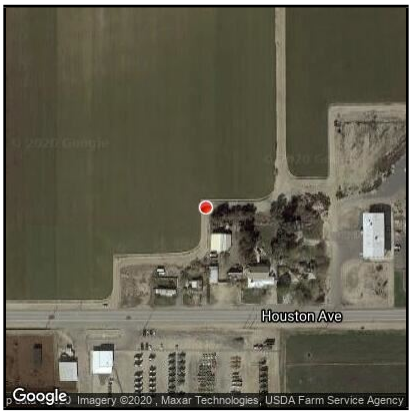
Longitude	W 119° 35' 50.10"

SiteVisit (28).JPG

Title:

Attributes	
File Name	SiteVisit (29).JPG
Date/Time	7/27/2020 11:21:37 AM
	Looking north
Latitude	N 36° 17' 57.97"
Longitude	W 119° 35' 50.31"

SiteVisit (29).JPG



Title:

Attributes	
File Name	SiteVisit (30).JPG
Date/Time	7/27/2020 11:22:24 AM
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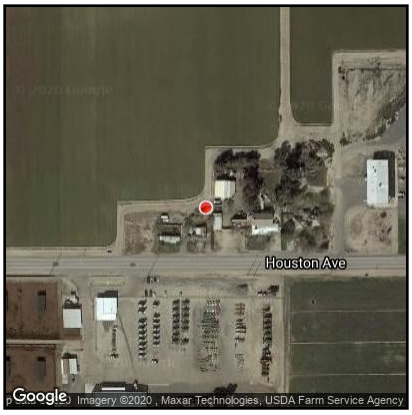
Longitude	W 119° 35' 50.46"

SiteVisit (30).JPG



Title:

Kings County

New Fire Station - Site Visit

Attributes	
File Name	SiteVisit (31).JPG
Date/Time	7/27/2020 11:22:36 AM
	Looking north
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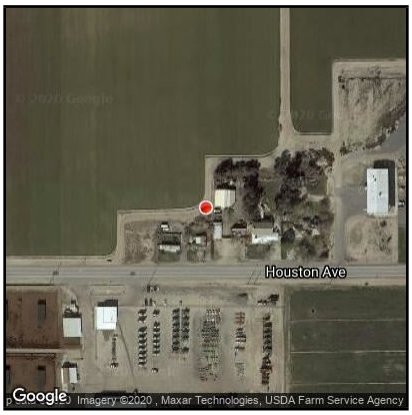
Longitude	W 119° 35' 50.47"

SiteVisit (31).JPG



Title:

Attributes	
File Name	SiteVisit (32).JPG
Date/Time	7/27/2020 11:22:47 AM
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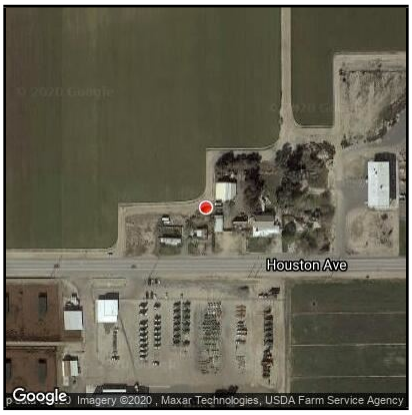
Longitude	W 119° 35' 50.49"

SiteVisit (32).JPG



Title:

Attributes	
File Name	SiteVisit (33).JPG
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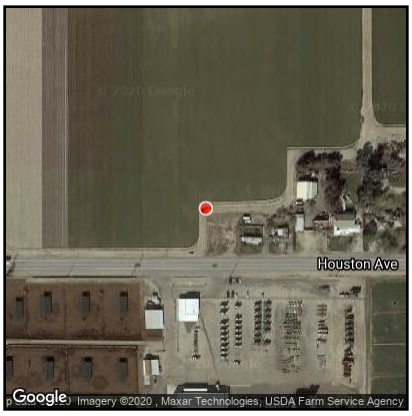
SiteVisit (33).JPG



Title:

Kings County

New Fire Station - Site Visit

Attributes	
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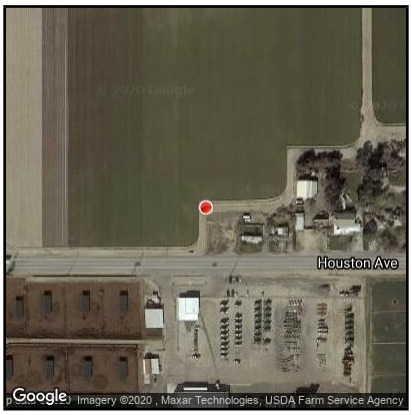
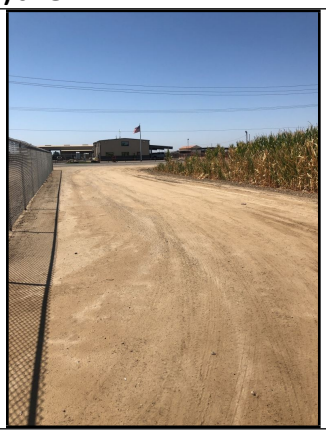
Longitude	W 119° 35' 53.64"

SiteVisit (34).JPG





Title:

Attributes	
File Name	SiteVisit (35).JPG
Date/Time	7/27/2020 11:24:09 AM
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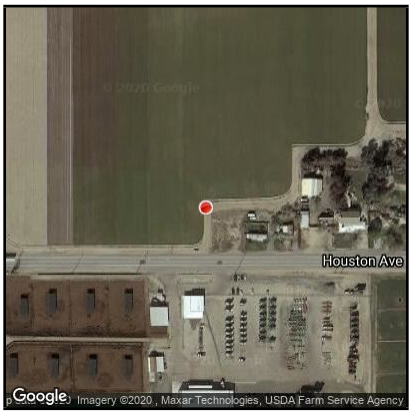
SiteVisit (35).JPG



Title:

Attributes	
File Name	SiteVisit (36).JPG
Date/Time	7/27/2020 11:24:55 AM
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Longitude	W 119° 35' 53.72"

SiteVisit (36).JPG

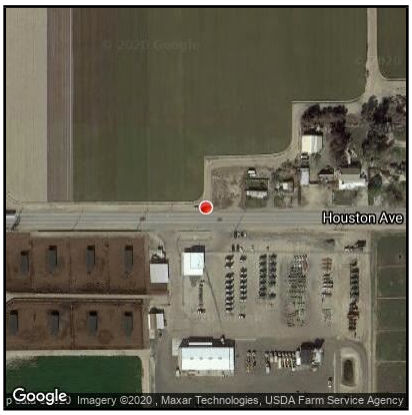
Title:

Kings County

New Fire Station - Site Visit

Attributes	
File Name	SiteVisit (37).JPG
Date/Time	7/27/2020 11:25:10 AM
	Looking west
Latitude	N 36° 17' 54.90"
Longitude	W 119° 35' 53.80"

SiteVisit (37).JPG



Title:

Attributes	
File Name	SiteVisit (38).JPG
Date/Time	7/27/2020 11:25:20 AM
	Looking east
Latitude	N 36° 17' 54.98"
Longitude	W 119° 35' 53.90"

SiteVisit (38).JPG

Title:

Appendix B

County Tax Assessor Records

ParcelQuest Property Detail Report

EDR Property Tax Map Report

Kings County Fire Station
7622 HOUSTON AVE
HANFORD, CA 93230

Inquiry Number: 6108676.6
July 01, 2020

The EDR Property Tax Map Report

Environmental Data Resources Inc

6 Armstrong Road
Shelton, CT 06484
800.352.0050
www.edrnet.com

EDR Property Tax Map Report

Environmental Data Resources, Inc.'s EDR Property Tax Map Report is designed to assist environmental professionals in evaluating potential environmental conditions on a target property by understanding property boundaries and other characteristics. The report includes a search of available property tax maps, which include information on boundaries for the target property and neighboring properties, addresses, parcel identification numbers, as well as other data typically used in property location and identification.

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

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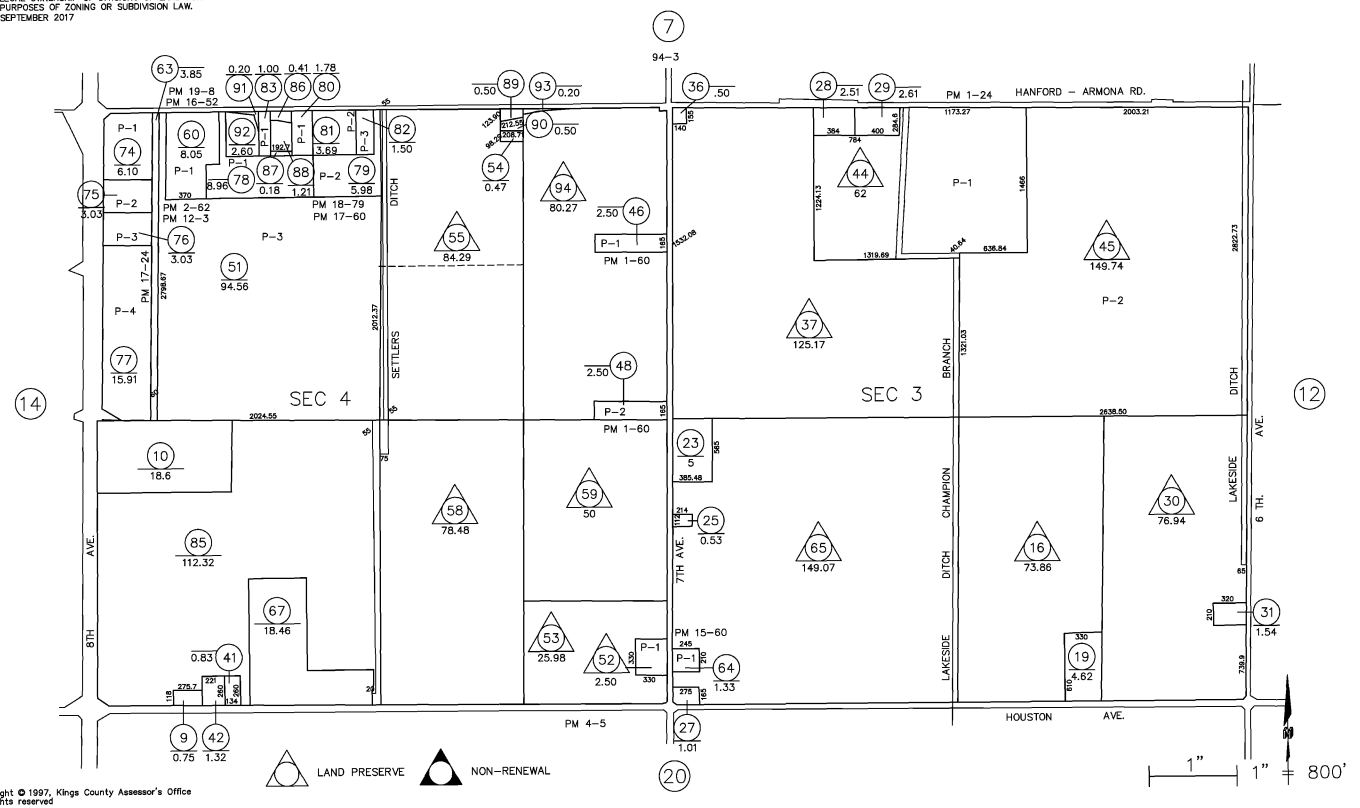
KINGS COUNTY ASSESSOR'S MAP

16–13

SEC. 3 & 4–19–22

THIS MAP IS FOR ASSESSMENT PURPOSES ONLY IT IS NOT TO BE CONSTRUED AS PORTRAYING LEGAL OWNERSHIP OF DIVISIONS OF LAND FOR PURPOSES OF ZONING OR SUBDIVISION LAW. SEPTEMBER 2017



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DETAIL REPORT

Property Address: **7622 HOUSTON AVE HANFORD CA 93230-9348**

Ownership

Parcel# (APN):	**016-130-085-000**
Parcel Status:	
Owner Name:	**KINGS WASTE & RECYCLING AUTHORITY**
Mailing Addr:	**7803 HANFORD-ARMONA RD HANFORD CA 93230**
Legal Description:	**SECTION 04 TOWNSHIP 19 RANGE 22**

Assessment

Total Value:		Use Code:	**9900**	Use Type:	**TAX EXEMPTS**
Land Value:		Tax Rate Area:	**094-003**	Zoning:	**PF**
Impr Value:		Year Assd:	**2020**	Census Tract:	**12.00/2**
Other Value:		Property Tax:		Price/SqFt:	
% Improved:	**0%**	Delinquent Yr:			
Exempt Amt:		HO Exempt:	**N**		

Sale History

	Sale1	Sale2	Sale3	Transfer
Recording date:				
Recording Doc:				
Doc type:				
Transfer Amount:				
Seller (Grantor):				

Property Characteristics

Bedrooms:		Fireplace:		Units:	
Baths (Full):		A/C:		Stories:	
Baths (Half):		Heating:		Quality:	
Total Rooms:		Pool:		Building Class:	
Bldg/Liv Area:		Park Type:		Condition:	
Lot Acres:	**112.270**	Spaces:		Site influence:	
Lot SqFt:	**4,890,481**	Garage SqFt:		Timber Preserve:	
Year Built:		Bsmt SqFt:	**N/A**	Ag Preserve:	
Effective Year:					

Call us 888-217-8999
Visit us: www.ParcelQuest.com

**The information provided here is deemed reliable, but is not guaranteed.

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KINGS COUNTY ASSESSOR'S MAP

SEC. 3 & 4–19–22

16–13

THIS MAP IS FOR ASSESSMENT PURPOSES ONLY
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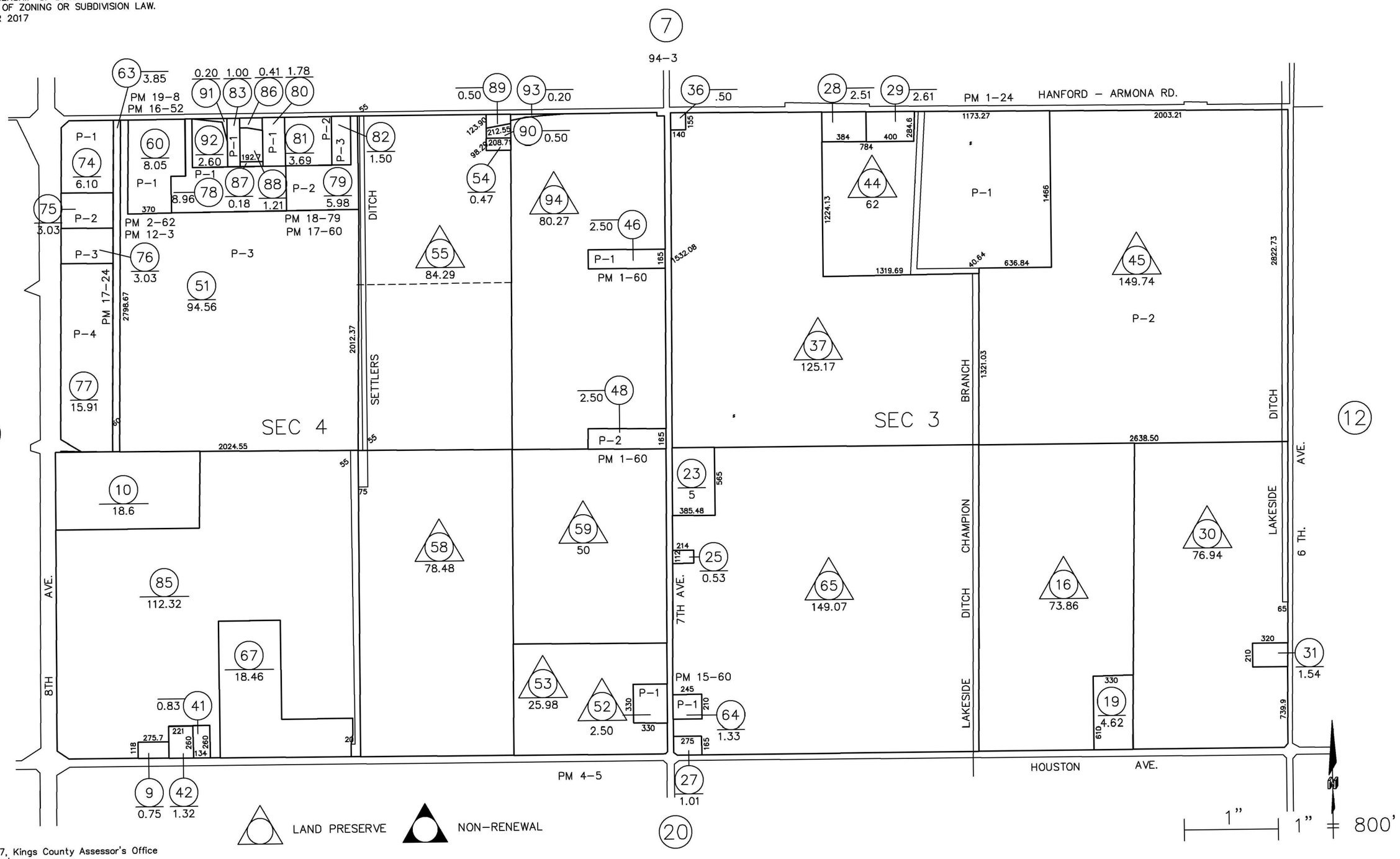
SEPTEMBER 2017



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Appendix C

EDR Environmental Lien and AUL Search

EDR Radius Map Report

EDR Vapor Encroachment Screen

EDR-City Directory Image Report

EDR Certified Sanborn Map Report

Kings County Fire Station
7622 HOUSTON AVE
HANFORD, CA 93230

Inquiry Number: 6108676.5
July 01, 2020

The EDR-City Directory Image Report

EDR® Environmental Data Resources Inc

6 Armstrong Road
Shelton, CT 06484
800.352.0050
www.edrnet.com

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SECTION

Executive Summary

Findings

City Directory Images

Thank you for your business.
Please contact EDR at 1-800-352-0050
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EXECUTIVE SUMMARY

DESCRIPTION

Environmental Data Resources, Inc.'s (EDR) City Directory Report is a screening tool designed to assist environmental professionals in evaluating potential liability on a target property resulting from past activities. EDR's City Directory Report includes a search of available city directory data at 5 year intervals.

RECORD SOURCES

EDR's Digital Archive combines historical directory listings from sources such as Cole Information and Dun & Bradstreet. These standard sources of property information complement and enhance each other to provide a more comprehensive report.

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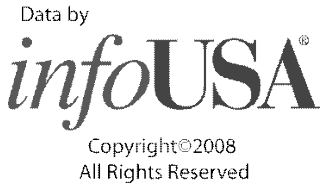

RESEARCH SUMMARY

The following research sources were consulted in the preparation of this report. A check mark indicates where information was identified in the source and provided in this report.

Year	Target Street	Cross Street	Source
2017	☑	☐	EDR Digital Archive
2014	☑	☐	EDR Digital Archive
2010	☑	☐	EDR Digital Archive
2005	☑	☐	EDR Digital Archive
2000	☑	☐	EDR Digital Archive
1995	☑	☐	EDR Digital Archive
1992	☑	☐	EDR Digital Archive
1985	☑	☐	Haines Criss-Cross Directory
1980	☑	☐	Haines Criss-Cross Directory
1975	☑	☐	Haines Criss-Cross Directory

FINDINGS

TARGET PROPERTY STREET

7622 HOUSTON AVE
HANFORD, CA 93230

Year	*CD Image*	*Source*
HOUSTON AVE		
2017	pg A2	EDR Digital Archive
2014	pg A5	EDR Digital Archive
2010	pg A9	EDR Digital Archive
2005	pg A13	EDR Digital Archive
2000	pg A17	EDR Digital Archive
1995	pg A20	EDR Digital Archive
1992	pg A23	EDR Digital Archive
1985	pg A25	Haines Criss-Cross Directory
1980	pg A26	Haines Criss-Cross Directory
1975	pg A27	Haines Criss-Cross Directory

FINDINGS

CROSS STREETS

No Cross Streets Identified

City Directory Images

Target Street	Cross Street	Source
✓	-	EDR Digital Archive

HOUSTON AVE 2017

1272	DOSHIER, TED C
1512	BRASIL, DAVID
1868	OLIVEIRA, BRANT L
1900	RECENDEZ, RICHARD R
1928	REGER, JAMES J
1930	KOPENHEFER, CHRIS L
3630	VEENENDAAL, BEN N
3678	VEENENDAAL, HENRY D
3912	VEENENDAAL, HENRY
3969	BORGES, ALAN
3989	HEADRICK, ROBERT D
4119	VEENENDAAL, HENRY C
4367	EYK, JOHN
4595	SHARON, IDSINGA
5328	KINNEY, NICHOLAS F
5901	NEFF, PETER J
5902	CHAMPLIN, SHAWN A
6205	NARANJO, ALFREDO J
6314	RODRIGUEZ, PABLO
6443	CLARK, SARAH L
6581	STOUT, JEFF
6960	SOLIS, MICHAEL
7315	ANGEL, JUAN
7343	TEJEDA, JOSE A
7740	BARBEIRO, ROBERT A
7810	SPINKS, WILLIE L
7873	DIAS & FRAGOSO INC
8189	MARTIN, WENDY
8232	SOARES, JOE M
8485	EVETTS, MONTE H
8535	YOUNG, KYLE
8536	ENOS, LILLIAN D
8595	LAFFERTY, DAVID W
8650	WOUGHTER
	WOUGHTER, EDWARD E
8657	CHAMBERS, KEVIN R
8780	HESTER, CAROL L
8796	COELHO, AMARO L
8818	COTTA, JOE S
	COTTADAY CONSTRUCTION
8854	WATKINS, GREGG A
8881	BROWN, DOLORES D
8916	SIMON & SON
	SIMON & SON SEPTIC TANK PUMPING
	ZWETSLOOT, HUGO M
9129	GAITAN, ARNOLD W
9240	PEREZ, ANGELICA M
9266	LAWRENCE AUTO MACHINE
9304	LAKESIDE IRRIGATION WATER DISTRICT
9480	POTTS, MICHEAL

HOUSTON AVE 2017 (Cont'd)

9740	YANG, TOU J
9798	YOUNG, LUTTRELL
9832	PLANCARTE, ADRIANA
9868	NORIEGA, RICARDO D
9900	GARCIA, VICTOR M
9950	SERVANDO, DEBORAH H
10024	RAMOS, ALEXANDER
10034	HOWARD, ALBERT J
10039	AGUIRRE, ANTHONY
10054	CAMPOS, FRANCISCO L
10066	PUENTE, TERESA M
10084	ALVAREZ, ROSA M
10114	VARELA, FRANSISCA
10180	BRIENO, ARMANDO M
10187	POTTER, LOREN C
10192	NATIVIDAD, MARTIN
10204	BANUELOS, ADAM
10216	PEREZ, MATHEW R
10217	VALLEY PALLET
10228	VILLAFANA, JOSE A
10240	THOMAS, ADRIENNE G
10367	MASSMUTUAL FINANCIAL GROUP
	SUPERIOR SOIL SUPPLEMENTS
10555	CITY OF HANFORD
11249	ALCALA, RALPH
11290	SANCHEZ, TIMOTHY J
11300	SANCHEZ BROS FARMING
11320	SANCHEZ FEED & SEED INC
	UHAUL
11583	BETTENCOURT, DAVID
11591	BETTENCOURT, KRISTIN
11621	SANCHEZ, PETER R
11735	SANCHEZ, ALEXANDER J
11761	BROADDUS, ED R
11806	WILKINSON, LARRY L
11862	THOMPSON, MATT M
11922	HIGGINS, BILL C
12057	RAMIREZ, ROBERT
12135	BOIM, SIMON S
12245	HERRIAGE, GEORGE E
12255	DIANA, JIMENEZ
12726	HUERTA, DOMINIC
12758	WOMACK, DETROY L
12823	SMITH, DAVID R
12945	PIERCE, JOHN M
12953	COX, DONNA S
13243	C & C HOLSTEINS
	COSTA, JUSTINE L
13245	SOLIS, MAVILDE A
13247	DONATE, ROGELIO

Target Street	Cross Street	Source
✓	-	EDR Digital Archive

HOUSTON AVE 2017 (Cont'd)

13249 COSTA, MICHELE L
13341 BRASIL, ANTONIO P
13353 SILVA, MANUEL P
13421 MIRANDA, FRANK S
13676 MONTGOMERY, RICHARD
13720 FRANCO, GABRIELA J
13756 WIIRRE, JOSHUA A
13827 HAYNES & SONS WELL DRILLING
13965 BROWN, TERRY G
14158 SULLIVAN, HELEN A
14345 SILVEIRAS PRECISION GROUND SERVICE
14381 ROCHA, ALVIN J
14443 ROCHA, STEVEN E
14451 CLOTHIER, AARON
14481 COLEMAN, ANDREW S
14515 SILVESTRE, LUCIA S
14520 VENTO, JOSEPH L
14526 SHIPMAN, DONNA M
14555 PORTILLO, OLGA
14588 GIRTY, SAMANTHA J
14709 LOPEZ, JERRY C
14710 MENDONCA, JOHN I
14728 ANDERSON, BARBARA A
14865 BRUMIT, ALLEN A

Target Street	Cross Street	Source
✓	-	EDR Digital Archive

HOUSTON AVE 2014

1272	DOSHIER, TED C
1512	GARCIA, JEANNINE
1790	MCCOLLISTER, KELLY M
1800	OCCUPANT UNKNOWN,
1812	OLIVEIRA, BRANT L
1868	OLIVEIRA, SHARON K
1900	RECENDEZ, RICHARD R
1928	REGER, JAMES J
1930	OLIVEIRA, LEONARD P
3578	GONZALEZ, FRANCISCO
3610	PARREIRA, ANTONIO L
3618	OCCUPANT UNKNOWN,
3630	VEENENDAAL, BEN N
3678	VEENENDAAL, HENRY D
3912	VEENENDAAL, HENRY
3969	BORGES, SANDRA J
3973	OCCUPANT UNKNOWN,
3989	HEADRICK, ROBERT M
4045	VEENENDAAL, HENRY C
4119	VEENENDAAL, HENRY C
4367	VANEYK, JOHN F
4595	VANDYK, BETTY J
4605	LABER, DOUGLAS J
4615	GRAJEDA, ISRRAEL
5312	KINNEY, CHARLES W
5901	NEFF, PETER J
5902	CHAMPLIN, SHAWN A
6141	OCCUPANT UNKNOWN,
6179	OCCUPANT UNKNOWN,
6205	FERIAS, ANTONIO
6314	DESANTOS, RUDOLPH D
6443	CAMILO, JOE E
6581	STOUT, JEFF
6960	SOLIS, MICHAEL
7315	ANGEL, JOSE T
7343	TEJEDA, JOSE A
7740	BARBEIRO, ROBERT A
7766	BETTENCOURT, NORMAN E
7810	ANFIELD, RUTHIE
7828	BROWN, WILLIAM L
7871	OCCUPANT UNKNOWN,
8159	MARTELLA, RICHARD E
8163	MARTELLA, NICKLUS
8169	WILSON, JIMMY
8189	MARTIN, WENDY
8232	SOARES, JOE M
8367	MARTELLA, NICK
8485	EVETTS, MONTE H
8535	YOUNG, DARREN J
8536	ENOS, JOHNNY A

Target Street	Cross Street	Source
✓	-	EDR Digital Archive

HOUSTON AVE 2014 (Cont'd)

8595 LAFFERTY, DAVID W
8650 WOUGHTER, EDWARD E
8657 CHAMBERS, KEVIN R
8770 OCCUPANT UNKNOWN,
8780 HESTER, DARRELL E
8796 COELHO, AMARO L
8818 COTTA DAY CONSTRUCTION
COTTA, JOE S
8854 WATKINS, GREGG A
8855 OCCUPANT UNKNOWN,
8863 MELLO, JOHN E
8916 SIMON & SON PUMPING
SIMON & SON SEPTIC TANK PUMPING
ZWETSLOOT, HUGO M
8968 ZWETSLOOT-JR, HUGO N
9129 GAITAN, ARNOLD W
9240 PEREZ, ANGELICA M
9266 LAWRENCE AUTO MACHINE
9304 LAKESIDE IRRIGATION WATER DISTRICT
9385 ENRIQUEZ, AGUSTIN J
9480 POTTS, MICHEAL
9740 YANG, TOU
9798 YOUNG, LUTTRELL
9832 HERNANDEZ, MICHAEL
9868 NORIEGA, RICARDO D
9900 GARCIA, VICTOR M
9950 SERVANDO, DEBORAH H
10024 RAMOS, ALEXANDER
10034 HOWARD, ALBERT J
10039 AGUIRRE, ANTHONY
10054 CAMPOS, FRANCISCO L
10084 ESTRADA, VICENTE N
10106 DARNELL, CHANELLE
10114 VARELA, FRANSISCA
10128 GONZALEZ, JOE J
10180 BRIENO, ARMANDO M
10187 POTTER, LOREN C
10192 NATIVIDAD, MARTIN
10204 BANUELOS, FRANK
10216 OCCUPANT UNKNOWN,
10217 VALLEY PALLET
10228 VILLAFANA, JOSE
10240 THOMAS, ADRIENNE G
10367 DREO PATRICIA M
EMPLOYEE BENEFIT OPROGRAMS
MASSACHUSETTS MUTUAL LIFE INSURANCE
SUPERIOR SOIL SUPPLEMENTS
10555 CITY OF HANFORD
10684 ATKAINS CONSTRUCTION ROCK & STONE
OCCUPANT UNKNOWN,

HOUSTON AVE 2014 (Cont'd)

10696 MARTINEZ, EDDIE M
11249 OCCUPANT UNKNOWN,
11290 SANCHEZ, TIM J
11300 SANCHEZ BROS FARMING
11320 SANCHEZ FEED & SEED INC
UHAUL
11471 EDWARDS, JASON
11509 DAVIS, BILL E
11583 BETTENCOURT, DAVID
11591 BETTENCOURT, DAVID
11621 SANCHEZ, PETER R
11735 SANCHEZ, ALEXANDER J
11761 BROADDUS, ED R
11806 WILKINSON, LARRY L
11826 PEREZ, FRANK J
11862 CLEMONS, DOUGLAS
11922 HIGGINS, BILL C
12057 RAMIREZ, ROBERT
12135 BOIM, MARIO A
12245 HERRIAGE, GEORGE E
12345 GUZMAN, ANA
12379 MENDES, MARY N
12605 MADRID, GUILLERMO
12726 HUERTA, DOMINIC
12758 MUSICK, BARBARA A
12823 SMITH, DAVID R
12915 BALDERRAMA, JESUS
12953 JOINER, LARRY J
12975 OCCUPANT UNKNOWN,
12985 JOYNER, LARRY
13243 C & C HOLSTEINS
COSTA, JUSTINE L
13245 COUTO, JOE
13247 DONATE, ROGELIO
13249 COSTA, MANUEL
13251 OCCUPANT UNKNOWN,
13341 BRASIL, ANTONIO P
13353 SILVA, MANUEL P
13421 MIRANDA, FRANK S
13465 MIRANDA, TONY L
13676 MONTGOMERY, RICHARD
13720 DIAS, MICHAEL A
13756 FARPELLA, KATHRYN J
13769 OCCUPANT UNKNOWN,
13780 ENOS, LEANNA
13827 HAYNES & SONS WELL DRILLING
13965 BROWN, TERRY G
14150 OCCUPANT UNKNOWN,
14158 SULLIVAN, HELEN A
14310 SULLIVAN, HELEN

Target Street	Cross Street	Source
✓	-	EDR Digital Archive

HOUSTON AVE 2014 (Cont'd)

14345 OCCUPANT UNKNOWN,
SILVEIRAS PRECISION GROUND SERVICE
14381 ROCHA, ALVIN J
14441 OCCUPANT UNKNOWN,
14443 ROCHA, STEVEN E
14451 OCCUPANT UNKNOWN,
14481 COLEMAN, ANDREW S
14513 OCCUPANT UNKNOWN,
14515 SILVESTRE, LUCIA S
14520 SHEARER, KAREN R
14526 SHIPMAN, DONNA M
14533 OCCUPANT UNKNOWN,
14555 PORTILLO, OLGA
14588 BORGES, MIKE J
14646 WALKER, CYNTHIA A
14709 MATTOS, RONALD J
14710 MENDONCA, JOHN I
14728 RIZO, JOSE
14865 BRUMIT, ALLEN A

Target Street	Cross Street	Source
✓	-	EDR Digital Archive

HOUSTON AVE 2010

1272	DOSHIER, TED
1512	GARCIA, CHRIS
1790	PETTIGRE, GERALDINE
	PETTIGREW TRUCKING & HRVSTNG
1800	BRADSHAW, JAMES P
1812	OLIVEIRA, BRANT L
1868	OLIVEIRA, SHARON K
1900	RECENDEZ, RICHARD R
1928	REGER, JAMES J
1930	OLIVEIRA, LEONARD P
3578	MORENO, BLANCA
3604	VANDYK, SUSAN J
3610	AGUIAR, ANTHONY J
3618	CHAVEZ, MARIA
3630	VEENENDAAL, BEN M
3678	HENRY VEENENDAAL DAIRY
	VEENENDAAL, HENRY D
3973	OCCUPANT UNKNOWN,
3989	HEADRICK, ROBERT M
4045	OCCUPANT UNKNOWN,
4119	VEENENDAAL, HENRY C
4367	VANEYK, JOHN V
4595	VANDYK, BETTY J
4605	LABER, NATASHA
4615	VANDYK, JOHN W
5312	KINNEY, CHARLES W
5901	NEFF, PETER J
5902	CHAMPLIN, SHAWN A
6141	CHAMPLIN, STANLEY T
6179	GOFORTH, GERALD L
6205	FERIAS, ANTONIO
6314	DESANTOS, RUDOLPH D
6443	CAMILO, JOE E
6581	STOUT, JEFF
6960	OCCUPANT UNKNOWN,
7315	OCCUPANT UNKNOWN,
7343	ANGEL, JOSE T
7740	BARBEIRO, ROBERT A
7766	CARTER, IDELLA
7810	FREITAS, ASHLEY
7828	OCCUPANT UNKNOWN,
7871	OCCUPANT UNKNOWN,
8169	WILSON, JIMMY
8189	MARTIN, WENDY
8232	SOARES, ANGELA M
8367	MARTELLA, NICK
8535	YOUNG, BRIAN J
8536	ENOS, JOHNNY A
8595	LAFFERTY, DAVID W
8650	WOUGHTER, EDWARD E

Target Street	Cross Street	Source
✓	-	EDR Digital Archive

HOUSTON AVE 2010 (Cont'd)

8657 OCCUPANT UNKNOWN,
8770 OCCUPANT UNKNOWN,
8780 HESTER, DARRELL E
8796 COELHO, AMARO L
8818 COSTA, EVUINA
COTTADAY CONSTRUCTION
8854 HILL, STEVE C
8863 FLYING M RANCH
MELLO, JOHN E
8881 COELHO, GLORIA J
8916 SIMON & SON SEPTIC TANK
ZWETSLOOT, HUGO M
9129 GAITAN, REBA H
9240 LOPEZ, FERNANDO
9266 LAWRENCE AUTO MACHINE
9304 LAKESIDE IRRIGATION DIST
9385 OCCUPANT UNKNOWN,
9480 OCCUPANT UNKNOWN,
9740 OCCUPANT UNKNOWN,
9798 YOUNG, LUTTRELL
9832 OCCUPANT UNKNOWN,
9868 PRIETO, MAYRA
9900 GARCIA, VICTOR M
9950 SERVANDO, DEBORAH H
10024 AHMED, NOORA M
10034 HOWARD, ALBERT J
10039 AGUIRRE, ANTHONY
10054 CAMPOS, FRANCISCO L
10066 PUENTE, TERESA M
10084 ESTRADA, VICENTE N
10106 RONQUILLO, JOHN
10114 OCCUPANT UNKNOWN,
10128 GONZALEZ, JOE J
10180 BRIENO, ARMANDO M
10187 POTTER, LOREN C
10192 NATIVIDAD, MARTIN L
10204 OCCUPANT UNKNOWN,
10216 ROMERO, RAYNALDO B
10217 VALLEY PALLET
10228 MACIAS, EZEQUIEL
10240 THOMAS, BILLY W
10367 EMPLOYEE BENEFIT PROGRAMS
SUPERIOR SOIL SUPPLEMENTS
10684 OCCUPANT UNKNOWN,
10696 MARTINEZ, EDDIE M
11249 OCCUPANT UNKNOWN,
11290 SANCHEZ, TIMOTHY J
11300 SANCHEZ BROTHERS FARMING
11320 SANCHEZ FEED & SEED
UHAUL CO

Target Street	Cross Street	Source
✓	-	EDR Digital Archive

HOUSTON AVE 2010 (Cont'd)

11471 EDWARDS, JASON
11509 DAVIS, WILLIAM C
11591 BETTENCOURT, DAVID W
11621 SANCHEZ, PETER R
11735 SANCHEZ, ALEXANDER J
11761 BROADDUS, GILBERT E
11806 WILKINSON, LARRY L
11826 PEREZ, FRANK J
11862 AVILA, JUANITA
11922 HIGGINS, BILL C
12057 RAMIREZ, ROBERT
12135 BOIM, MARIO A
12245 HERRIAGE, GEORGE E
12255 LIGGETT, VAN F
12525 MARTINEZ, SERGIO
12605 ACEVEDO, LUIS
LUIS, ACEVEDO
12726 OCCUPANT UNKNOWN,
12758 MUSICK, BARBARA A
12823 SMITH, DAVID R
12915 OCCUPANT UNKNOWN,
12945 UYEYAMA, ANDREW
12953 JOINER, LARRY J
12975 OCCUPANT UNKNOWN,
12985 JOYNER, LARRY
13243 C & C HOLSTEINS
COSTA EDUINO & SON DAIRY
VALDEZ, JULIO
13245 MANZO, EPIFANIO M
13247 DONATE, ROGELIO
13249 COSTA, JUSTINE L
13251 OCCUPANT UNKNOWN,
13353 SILVA, ALDA M
13421 MIRANDA, FRANK S
13465 MIRANDA, ANTONIO S
13676 MONTGOMERY, RICHARD
13720 DIAS, MICHAEL A
13756 FORDING, JOHN H
13769 MARTINS, ANTONIO A
13780 ENOS, JOHNNY A
13827 HAYNES & SONS WELL DRILLING
13965 BROWN, TERRY G
14150 OCCUPANT UNKNOWN,
14158 OCCUPANT UNKNOWN,
14310 OCCUPANT UNKNOWN,
14345 MALSTROM, JEAN A
14381 ROCHA, ALVIN J
14441 OCCUPANT UNKNOWN,
14443 ROCHA, STEVEN E
14451 OCCUPANT UNKNOWN,

Target Street	Cross Street	Source
✓	-	EDR Digital Archive

HOUSTON AVE 2010 (Cont'd)

14481 COLEMAN, ANDREW S
14513 ROCHA, J
14515 SILVESTRE, LUCIA
14526 SHIPMAN, BOBBY E
14533 OCCUPANT UNKNOWN,
14555 SAIN, JOHN D
14588 BORGES, MIKE J
14646 EDWARDS, LEANNA
14709 MATTOS, JEFFERY J
14710 MENDONCA, JOHN I
14728 ARCHULETA, ERNEST J
14865 BRUMIT, ALLEN A

Target Street	Cross Street	Source
✓	-	EDR Digital Archive

HOUSTON AVE 2005

1512	BRASIL, DAVID
1790	PETTIGRE, GERALDINE
1800	BRADSHAW, JAMES P
1812	OLIVEIRA, BRANT L
1868	OLIVEIRA, SHARON K
1928	OCCUPANT UNKNOWN,
1930	OLIVEIRA, LEONARD P
3604	OCCUPANT UNKNOWN,
	VAN DYK AND SONS
3610	DOORNENBAL, P
3618	CHAVEZ, ENRIQUE
3630	VEENENDAAL, BEN M
3678	HENRY VEENENDAAL
	VEENENDAAL, HENRY D
3973	OCCUPANT UNKNOWN,
3989	BOB HEADRICK
	HEADRICK, ROBERT M
4045	VEENENDAAL, HENRY R
4119	VEENENDAAL, HENRY R
4367	VANEYK, JOHN V
4507	TJ LEE & ASSOCS
4595	VANDYK, JOHN W
4605	JACINTO, JOHN J
4615	VANDYK, KELLY D
5901	OCCUPANT UNKNOWN,
5902	CHAMPLIN, SHAWN A
6141	CHAMPLIN, STANLEY T
6179	SMITH, ELIZABETH A
6205	NARANJO, ALFREDO
6314	DESANTOS, RUDOLPH D
6443	CAMILO, AMY L
6581	OCCUPANT UNKNOWN,
6960	COUTO, JOE G
7315	OCCUPANT UNKNOWN,
7343	ANGEL, JOSE T
7740	BARBEIRO, ROBERT A
7766	CARTER, IDELLA
7810	BETTENCOURT, DELORES D
7828	HERNANDEZ, ROBERT
7871	HOUSTON AVE SCALE
	OCCUPANT UNKNOWN,
8169	WILSON, JIMMY
8189	PENA, CATALINA
8232	JOE SOARES
	SOARES, ANGELA M
8367	OCCUPANT UNKNOWN,
8485	EVETTS, MONTE H
8535	OCCUPANT UNKNOWN,
8536	ENOS TRUCKING
	ENOS, JOHNNY A

HOUSTON AVE 2005 (Cont'd)

8536	JOHNNY ENOS TRUCKING
8595	LAFFERTY, DAVID W
8650	WOUGHTER, EDWARD E
8657	LAFFERTY, JOHN P
8770	OCCUPANT UNKNOWN,
8780	HESTER, DARRELL E
8796	FERREIRA, JOE L
8818	COTTA DAY CONSTRUCTION
	COTTA, JOE S
8854	HILL, STEVE C
8855	ARAUJO, ANTONIO
8863	OCCUPANT UNKNOWN,
8881	COEH LHO AG
	COELHO AG
	COELHO, GLORIA J
8916	SIMON & SON
	ZWETSLOOT, HUGO M
8968	RODGERS, GLEN E
9129	GAITAN, REBA H
9240	FARRIS, JAMES R
9266	LAWRENCE AUTO MACHINE
	LAWRENCE, DAVID B
9385	ENRIQUEZ, MARTIN J
9740	QUIROZ, FRANCISCO
9798	YOUNG, LUTTRELL
9832	ROBLEDO, JUAN A
9868	ESCALANTE, CENDY
9900	GARCIA, VICTOR M
9950	SERVANDO, DEBORAH H
10024	GHAZALY, AHMAD
10034	HOWARD, ALBERT J
10039	AGUIRRE, ROSA M
10054	CAMPOS, FRANCISCO O
10066	ESTRADA, ALFRED A
10084	ESTRADA, VICENTE
10106	WATTS, DEANNA
10114	HERNANDEZ, CARLOS J
10128	GONZALEZ, JOE J
10180	BRIENO, ARMANDO M
10192	OCCUPANT UNKNOWN,
10204	OCCUPANT UNKNOWN,
10216	ROMERO, RAYNALDO B
10217	VALLEY PALLET
10228	KIBBY, MICHAEL V
10240	THOMAS, BILLY W
10367	DREO, PATRICIA M
	PATRICK ENTERPRISES INC
	SUPERIOR SOIL SUPPLEMENTS
10555	HANFORD CTY WSTWTR TREATMENT PLNT
10684	OCCUPANT UNKNOWN,

HOUSTON AVE 2005 (Cont'd)

11249	OCCUPANT UNKNOWN,
11290	OCCUPANT UNKNOWN,
11300	SANCHEZ FEED SEED
	SANCHEZ GRAIN
11320	SANCHEZ FEED & SEED INC
11509	DAVIS, WILLIAM B
11583	OCCUPANT UNKNOWN,
11621	SANCHEZ, PETER R
11735	VANDERTUIG, MILEN V
11761	BROADDUS, GILBERT E
11806	WILKINSON, LARRY L
11826	PEREZ, FRANK J
11862	AVILA, JUANITA
11922	HIGGINS, BILL C
12057	RAMIREZ, ROBERT
12135	BOIM, MARIO A
12209	HERRIAGE, GEORGE E
12245	HERRIAGE, GEORGE E
12255	LIGGETT, VAN F
12525	COSTA, EDWARD T
12605	HORN, QUINCY
12726	HUERTA, RICHARD D
12758	MUSICK, BARBARA A
12823	SMITH, DAVID R
12915	DELGADO, EUGENE R
12953	JOYNER, LARRY J
12975	SCHELLENBERG, DEBBIE D
12985	KELLY, JAMES M
13243	COSTA, MATILDE N
13245	LOPEZ, RAUL L
13247	OCCUPANT UNKNOWN,
13249	OCCUPANT UNKNOWN,
13251	RUIZ, MOISES
13353	SILVA, ALDA M
	SILVAS WELDING
13421	MIRANDA, FRANK S
13465	MIRANDA, ANTONIO S
13676	OCCUPANT UNKNOWN,
13720	DIAS, MICHAEL A
	YOU ENJOY WE MAINTAIN AQ
13756	FORDING, JOHN H
13769	OCCUPANT UNKNOWN,
13780	ENOS, JOHNNY A
13827	HAYNES & SONS
13965	BROWN, TERRY G
14150	OCCUPANT UNKNOWN,
14158	SULLIVAN, PATRICK
14310	ILTIS, JUDITH I
14345	MISAIQUE, NORMAN R
14381	ROCHA, ALVIN J

Target Street	Cross Street	Source
✓	-	EDR Digital Archive

HOUSTON AVE 2005 (Cont'd)

14381 THE BOOK FOR YOU
14441 OCCUPANT UNKNOWN,
14443 ROCHA, STEVEN E
14451 LEONARDI, MICHAEL W
14481 COLEMAN, ANDREW S
14513 ROCHA, J
14515 SILVESTRE, LUCIA
14520 VENTO, JOSEPH L
14526 SHIPMAN, BOBBY E
14533 STOUT, CHARLES W
14546 ZELENKA, DICK D
14555 SAIN, JOHN D
14646 OCCUPANT UNKNOWN,
14709 MATTOS, JEFFERY J
14710 MENDONCA LAURA INCOME TAXES
MENDONCA, JOHN I
14728 BURKS, LINDSAY A
14865 BRUMIT, ALLEN A

Target Street	Cross Street	Source
✓	-	EDR Digital Archive

HOUSTON AVE 2000

1272	OCCUPANT UNKNOWN,
1512	OCCUPANT UNKNOWN,
1790	PETTIGREW, JIM
1800	OCCUPANT UNKNOWN,
1868	OLIVEIRA, SHARON K
1900	BERRY, DEBRA
1928	OCCUPANT UNKNOWN,
1930	OLIVEIRA, LEONARD P
3578	BOSSENBROEK, GLENDA E
3604	VANDYK, HENRY
3610	VANDYK, GARY
3618	FERREIRA, MARILIA M
3630	OCCUPANT UNKNOWN,
3678	VEENENDAAL, HENRY
3912	OCCUPANT UNKNOWN,
3969	HEADRICK, ROBERT
	TUNISON, ADAM
3973	BOUREZ, DENNIS B
3989	HEADRICK, ROBERT
4045	VEENENDAAL, HENRY R
4119	VEENENDAAL, HANK R
4367	VANEYK, JOHN
4507	K D H DAIRY
	K D H FEED SUPPLEMENTS
	WASTE WATER MANAGEMENT SYSTEMS
4595	VANDYK, BETTY J
4605	JACINTO, JOHN
4615	VANDYK, KELLY D
5101	KAWEAH DELTA WATER CONSERVATION DISTRICT
5328	PHILLIPS, GORDON
5901	OCCUPANT UNKNOWN,
6141	CHAMPLIN, STANLEY
6205	OCCUPANT UNKNOWN,
6314	DESANTOS, RUDY
6581	LEAL, DAMON
6591	OCCUPANT UNKNOWN,
6960	OCCUPANT UNKNOWN,
7343	TEJEDA, JOSE
7740	BARBEIRO, ROBERT
7766	CARTER, IDELLA
7810	BETTENCOURT, BOB
7828	MARTIN, DEBRA C
7871	ROBINSON, JIM
8232	SOARES, ANGELA M
8367	MARTELLA, RICHARD
8485	OCCUPANT UNKNOWN,
8535	OCCUPANT UNKNOWN,
8536	ENOS, JOHNNY A
8595	OCCUPANT UNKNOWN,
8650	WOUGHTER, ED

Target Street	Cross Street	Source
✓	-	EDR Digital Archive

HOUSTON AVE 2000 (Cont'd)

8657 LAFFERTY, JOHN P
8780 HESTER, DARRELL E
8796 FERREIRA, JOSE L
8854 OCCUPANT UNKNOWN,
8855 ARAUJO DAIRY FARM & FEEDS
OCCUPANT UNKNOWN,
PET JUNGLE
8863 MELLO, JOHNNY
8881 COELHO, GLORIA J
8916 OCCUPANT UNKNOWN,
SIMON & SON SEPTIC TANK PUMPING
8968 RODGERS, GLEN
9129 OCCUPANT UNKNOWN,
9240 RESCH, STEVEN M
9266 LAWRENCE AUTO MACHINE
LAWRENCE, DAVID
9304 LAKESIDE IRRIGATION WATER DISTRICT
9480 SPEARS, CARMEN
9832 OCCUPANT UNKNOWN,
9868 OCCUPANT UNKNOWN,
9900 GONZALES, ARMANDO
9950 SERVANDO, DEBORAH L
10054 CAMPOS, EMMA
10084 ESTRADA, VICENTE
10106 COLLINS, SHIRLEY A
10114 CARDENAS, CARLOS M
10128 GONZALEZ, PLACIDO C
10180 BRIENO, ARMANDO M
10192 NATIVIDAD, JOSIE
10555 HANFORD CITY OF WASTEWATER TREATMENT PLANT
10696 FERRER, MONICA J
11249 OCCUPANT UNKNOWN,
11290 SANCHEZ, TIMOTHY J
11300 SANCHEZ BROTHERS FARMING
11320 SANCHEZ FEED & SEED INCORPORATED
U HAUL COMPANY
11583 PANDOLFO, PRIMO
11621 OCCUPANT UNKNOWN,
11623 OCCUPANT UNKNOWN,
11735 VANDERTUIG, MILEN
11761 OCCUPANT UNKNOWN,
11806 WILKINSON, LARRY
11826 OCCUPANT UNKNOWN,
11922 HIGGINS, BILL
12057 OCCUPANT UNKNOWN,
12110 OCCUPANT UNKNOWN,
12135 OCCUPANT UNKNOWN,
12245 OCCUPANT UNKNOWN,
12255 LIGGETT, VANJ
12409 OCCUPANT UNKNOWN,

HOUSTON AVE 2000 (Cont'd)

12525 COSTA, ED
12758 MUSICK, BARBARA A
12823 SMITH, DAVID R
12945 OCCUPANT UNKNOWN,
12953 JOYNER, LARRY J
13241 OCCUPANT UNKNOWN,
13245 DEBOER, JERRY
13247 OCCUPANT UNKNOWN,
13353 SILVA, ALDA M
13421 MIRANDA, FRANK S
13465 MIRANDA, ANTONIO G
13720 DIAS, MICHAEL
13756 OCCUPANT UNKNOWN,
13769 OCCUPANT UNKNOWN,
13780 OCCUPANT UNKNOWN,
13827 HAYNES, JAMES C
13965 BROWN, DIANE
14345 FORRESTER, MARY J
14381 ROCHA, ALVIN J
14441 OCCUPANT UNKNOWN,
14443 ROCHA, JOE L
14451 LEONARDI, MIKE
14481 OCCUPANT UNKNOWN,
14513 OCCUPANT UNKNOWN,
14515 SILVESTRE, LUCIA
14520 GREGORY, JIM
14533 HILL, V
14546 ZELENKA, DICK
14555 OCCUPANT UNKNOWN,
14575 OCCUPANT UNKNOWN,
14709 MATTOS, JOSEPH E
14710 MENDONCA LAURA BOOKKEEPING & INCOME TAXES
MENDONCA, JOHN
14728 OCCUPANT UNKNOWN,
14865 BRUMIT, ALLEN

Target Street	Cross Street	Source
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HOUSTON AVE 1995

1512	OCCUPANT UNKNOWNN
1790	PETTIGREW, J T
1800	PETTIGREW, JIM
1812	OCCUPANT UNKNOWNN
1868	OCCUPANT UNKNOWNN
1928	GHIDELLI, PAT A
1930	OLIVEIRA, LEONARD P
3604	VANDYK, HENRY
3610	VANDYK, GARY
3630	VEENENDAAL, BEN
3678	HENRY VEENENDAAL
	VEENENDAAL, HENRY
3912	VEENENDAAL, HENRY B
3973	BOUREZ, LURA M
3989	HEADRICK, ROBERT
4045	VEENENDAAL, HENRY R
4119	VEENENDAAL, H R
4367	VANEYK, JOHN
4507	KDH DAIRY
	WASTE WATER MANAGEMENT SYSTEMS
4595	KOOPMANS, PETE JR
4605	KOOPMAN, A
4615	DEHOOG, ABRAHAM
5902	CHAMPLIN, CALVIN S JR
6141	CHAMPLIN, STANLEY
6179	OCCUPANT UNKNOWNN
6314	DESANTOS, RUDY
6581	OCCUPANT UNKNOWNN
6591	LEAL, DAMON
7315	SILVA, MANUEL F
7343	PERFUME OUTLET
	SILVA, MANUEL
7740	BARBEIRO, ROBERT
7766	OCCUPANT UNKNOWNN
7810	BETTENCOURT, BOB
7828	OCCUPANT UNKNOWNN
7871	BETTENCOURT CATTLE & EQUIPMENT
	ROBINSON, JIM
	ZAPCO BATTERY SVC
8232	SOARES, JOE JR
8535	YOUNG, BRIAN
8536	ENOS, JOHNNY A
8595	LAFFERTY, SUSAN L
8650	WOUGHTER, ED
8657	LAFFERTY, JOHN P
8854	OCCUPANT UNKNOWNN
8863	MELLO, JOHNNY
8881	MELLO, STANLEY J
8968	RODGERS, GLEN
9129	GAITAN, GILBERT

HOUSTON AVE 1995 (Cont'd)

9240	MCKILLIP, LARRY F
9266	LAWRENCE AUTO MACHINE
	LAWRENCE, DAVID
9304	LAKESIDE IRRIGATION DIST
9480	LEAL, PAUL
9798	SHEARS, ANNIE B
9832	RODRIGUES, PAULINE J
9900	GARCIA, VICTOR M
10024	AHMED, MAHDI M
10034	HOWARD, LINDA S
10039	AGUIRRE, REFUGIO
10054	LINARES, ENRIQUE
10066	OCCUPANT UNKNOWNN
10084	OCCUPANT UNKNOWNN
10106	WILSON, RODGER J
10114	OCCUPANT UNKNOWNN
10128	GONZALEZ, JOE J
10180	BRIENO, ARMANDO M
10192	NATIVIDAD, JOSIE
10204	OCCUPANT UNKNOWNN
10216	ROMERO, R B
10228	OCCUPANT UNKNOWNN
10367	PIERCE, P
10660	SANCHEZ & GRUBER GRAIN
10684	JUAREZ, AUGGIE
10696	FERRER, MONICA J
11249	ALCALA, RALPH
11290	OCCUPANT UNKNOWNN
11300	SANCHEZ & SANCHEZ GRAIN
11320	SANCHEZ FEED & SEED
11583	PANDOLFO, PRIMO L
11621	SANCHEZ, PETER R
11623	OCCUPANT UNKNOWNN
11735	VANDERTUIG, MILEN
11761	BROADDUS, GILBERT E
11806	WILKINSON, LARRY
11826	OCCUPANT UNKNOWNN
11922	HIGGINS, BILL
	TRIPLE H REALTY
12057	RAMIREZ, ROBERT JR
12110	WIMBERLY, SANDI C
12255	LIGGETT, VANJ
12525	COSTA, ED
12726	OCCUPANT UNKNOWNN
12758	MUSICK, ROY
12823	SMITH, DAVID R
12945	CORDERO, TOM
12953	JOYNER, LARRY J
12975	OCCUPANT UNKNOWNN
12985	OCCUPANT UNKNOWNN

Target Street	Cross Street	Source
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HOUSTON AVE 1995 (Cont'd)

13241 BRYAN, NORRIS E
13243 EDUINO COSTA & SON DAIRY
OCCUPANT UNKNOWNN
13245 DEBOER, JERRY
13247 GRANT, MELISSA
13353 SILVA, MANUEL P
13421 MIRANDA, FRANK S
13465 MIRANDA, ANTONIO G
13676 MONTGOMERY, RICHARD JR
13780 OCCUPANT UNKNOWNN
13827 HAYNES, J C
13965 BROWN, DIANE
14153 ROCHA, STEVEN E
14310 OCCUPANT UNKNOWNN
14345 OCCUPANT UNKNOWNN
14441 ROCHA, ALVIN
14451 LEONARDI, MICHAEL W
14513 ROCHA, JOE L
14515 SILVESTRE, LUCIA
14520 CALIFORNIA SAFETY TRAINING
FRAZER, PEGGY
14540 OCCUPANT UNKNOWNN
14546 ZELENKA, DICK
14555 HOLLAND, BRANDON
14709 MATTOS, J E
14710 MENDONCA, JOHN
14728 OCCUPANT UNKNOWNN

Target Street	Cross Street	Source
✓	-	EDR Digital Archive

HOUSTON AVE 1992

1790	PETTIGREW, J T
1800	PETTIGREW, JIM
1868	OLIVEIRA, LEONARD P
1928	GHIDELLI, PAT A
3604	VANDYK, HENRY
3630	VEENENDAAL, BEN
3678	VEENENDAAL, HENRY
3912	VEENENDAAL, HENRY B
3989	HEADRICK, ROBERT
4119	VEENENDAAL, H R
4367	VANEYK, JOHN
4507	K D H DAIRY
	WASTE WATER MNG SYS
4595	KOOPMANS, PETE JR
4605	KOOPMAN, A
4615	DEHOOG, ABRAHAM
5901	SMITHEE, LEROY
5902	CHAMPLIN, CALVIN S JR
6141	CHAMPLIN, STANLEY
6314	DESANTOS, RUDY
6581	LEAL, BRIAN J
7343	SILVA, MANUEL
7740	BARBEIRO, ROBERT
7766	CARTER, D
7810	BETTENCOURT, BOB
7871	BETTENCOURT CATTLE
	ROBINSON, JIM
	ZAPCO BATTERY SRV
8232	SOARES, JOE JR
8535	YOUNG, BRIAN
8536	ENOS, JOHNNY A
8657	LAFFERTY, JOHN P
8780	HESTER, MARVIN
8863	MELLO, JOHNNY
8881	MELLO, STANLEY J
8968	RODGERS, GLEN
9129	GAITAN, GILBERT
9266	LAWRENCE AUTO MACH
9304	LAKESIDE DITCH CO
9480	LEAL, PAUL
10054	LINARES, ENRIQUE
10066	ESTRADA, TONY
10106	WILSON, RODGER J
10192	NATIVIDAD, JOSIE
10555	HANFORD CTY WSTEWTR
10660	SANCHEZ&GRUBER GRN
10684	JUAREZ, AUGGIE
10696	FERRER, MONICA J
11290	SANCHEZ, DENNIS J
11300	SANCHEZ BROS FARMNG

HOUSTON AVE 1992 (Cont'd)

11320	SANCHEZ FEED&SEED
11621	SANCHEZ, PETER R
11735	VANDERTUIG, MILEN
11806	WILKINSON, LARRY
11922	TRIPLE H REALTY
12057	RAMIREZ, ROBERT JR
12726	MCCABE, LONNIE C
12758	MUSICK, ROY
12823	SMITH, DAVID R
12915	LANE, T C
12953	JOYNER, LARRY J
13245	DEBOER, JERRY
13421	MIRANDA, FRANK S
13465	MIRANDA, ANTONIO G
13827	WILLARD&SON
14441	ROCHA, ALVIN J
14513	ROCHA, JOE L
14520	CA SAFETY TRAINING
	GREGORY, JIM
14546	ZELENKA, DICK
14709	MATTOS, JOSEPH E JR
14710	MENDONCA, JOHN

Target Street	Cross Street	Source
✓	-	Haines Criss-Cross Directory

HOUSTON AVE 1985

6141	CHAMPLIN STANLEY	582-1173	0
6179	GOFORTH JERRY	584-0919	4
6205	CHAMPLIN BO	583-7099	+5
6314	DESANTOS RUDY	584-7747	
6581	LEAL VERNON M	584-7347	0
6591	XXXX	00	
6960	SPUHLER HAROLD H	562-7953	
7315	SILVA M F MRS	584-3458	
7343	CLARAS BEAUTY BAR	584-4806	
	SILVA MANUEL JR	584-4806	
7740	XXXX	00	
7766	CARTER DELLA	562-3390	4
7810	BETTENCOURT BEADSTK	584-7110	1
7828	BETTENCOURT ROBT T	583-1283	+5
7871	MARTELLA AUCTION CO	584-3343	2
	WESTLANDS EOP RNTL	584-4435	+5
8039	XXXX	00	
8220	XXXX	00	
8232	SOARES JOE JR	582-9650	4
8458	MARTELLA ROBIN W	584-5557	3
	MARTELLA ROBIN W	582-652C	2
8536	ENOS JOHNNY A	582-6177	9
8595	KELLYS DRYWALL	562-8603	4
	LAFFERTY DAVID	584-6015	9
	LAFFERTY PAINT SERV	582-8521	4
8650	RISING VERNON	562-9127	7
8657	LAFFERTY JOHN P	582-2827	9
8770	HESTER MARVIN	584-3652	+5
8780	XXXX	00	
8863	MELLO JOHNNY	582-6357	6
8801	MELLO STANLEY J	582-3483	6
8968	RODGERS GLEN	584-3412	0
9129	GAITAN GILBERT	584-3411	

Target Street	Cross Street	Source
✔	-	Haines Criss-Cross Directory

HOUSTON AVE 1980

6141	CHAMPLIN STANLEY	582-1173 +0
6179	TAYLOR ALYCE	584-9333 8
6205	HUDSON BOB J	582-3429 +0
6314	DESANTOS RUDY	584-7747 3
6581	LEAL VERNON M	584-7347 +0
6591	XXXX	00
6710	XXXX	00
6960	SPUHLER HAROLD H	582-7953 5
7315	SILVA M F MRS	584-3458
7343	CLARAS BEAUTY BAR	584-4806
	SILVA MANUEL JR	584-4806
7740	XXXX	00
7810	XXXX	00
7828	BETTENCOURT JOE	582-1117 9
7871	BROWN LOUIS A CO	582-9261 +0
8039	WYATT JEWELL	582-3861 6
8189	TOSTE FRANCISCO	582-6660 9
8220	BETTENCOURT TAB	584-9696 +0
8458	MARTELLA ROBIN W	582-6520 9
	MARTELLA ROBIN W	584-6557 9
8535	XXXX	00
8536	ENOS JOHNNY A	582-6177 9
8595	LAFFERTY DAVID	584-6015 9
8650	RISING VERNON	582-9127 7
8657	LAFFERTY JOHN P	582-2627 9
8770	HESTER MARVIN	584-3652
8780	XXXX	00
8796	BROWN LOUIE A	582-5805 7
8854	XXXX	00
8863	MELLO JOHN	582-6357 6
8881	MELLO STANLEY J	582-3493 6
8968	RODGERS GLEN	584-3412 +0
9129	GAITAN GILBERT	584-3411

Target Street	Cross Street	Source
✔	-	Haines Criss-Cross Directory

HOUSTON AVE 1975

6141	CHAMPLIN JANE R	584-3489
6179	CHAMPLIN HARRY E	584-5727
6205	CHAMPLIN STANLEY	582-1173+5
6314	DESANTOS RUDY	584-7747 3
6581	LANGLEY RAY	582-6210+5
6591	LEAL DAN	582-5495
6710	SHEUFELT S R	582-7239 4
6960	SPUHLER HAROLD H	582-7953+5
7315	SILVA M F MRS	584-3458
7343*	CLARAS BEAUTY BAR	584-4806
	SILVA MANUEL JR	584-4806
7740	XXXX	OO
7810	BETTENCOURT BOB	584-8021
	NUNES A M	584-8351 3
7871*	NEVES HAY HRVST&SLS	582-9284 4
8039	CAMPBELL RALPH	584-6756+5
8189	XXXX	OO
8535	GAITAN PANFILD	582-0615
8536	MELLO LEE ANTHONY	582-4235
8650	ESREY JEAN	582-2445 3
8770	HESTER MARVIN	584-3652
8780	XXXX	OO
8854	MCGILL ALBERT	582-6332+5
8863	MELLO STANLEY J	582-3483
9129	GAITAN GILBERT	584-3411

Kings County Fire Station
7622 HOUSTON AVE
HANFORD, CA 93230

Inquiry Number: 6108676.2s
July 01, 2020

The EDR Radius Map™ Report with GeoCheck®

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

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

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EXECUTIVE SUMMARY

A search of available environmental records was conducted by Environmental Data Resources, Inc (EDR). The report was designed to assist parties seeking to meet the search requirements of EPA's Standards and Practices for All Appropriate Inquiries (40 CFR Part 312), the ASTM Standard Practice for Environmental Site Assessments (E 1527-13), the ASTM Standard Practice for Environmental Site Assessments for Forestland or Rural Property (E 2247-16), the ASTM Standard Practice for Limited Environmental Due Diligence: Transaction Screen Process (E 1528-14) or custom requirements developed for the evaluation of environmental risk associated with a parcel of real estate.

TARGET PROPERTY INFORMATION

ADDRESS

7622 HOUSTON AVE
HANFORD, CA 93230

COORDINATES

Latitude (North):	36.3021350 - 36° 18' 7.68''
Longitude (West):	119.5962310 - 119° 35' 46.43''
Universal Tranverse Mercator:	Zone 11
UTM X (Meters):	266874.0
UTM Y (Meters):	4020387.5
Elevation:	245 ft. above sea level

USGS TOPOGRAPHIC MAP ASSOCIATED WITH TARGET PROPERTY

Target Property Map:	5603206 REMNOY, CA
Version Date:	2012

AERIAL PHOTOGRAPHY IN THIS REPORT

Portions of Photo from:	20140618
Source:	USDA

MAPPED SITES SUMMARY

Target Property Address:
7622 HOUSTON AVE
HANFORD, CA 93230

Click on Map ID to see full detail.

MAP ID	SITE NAME	ADDRESS	DATABASE ACRONYMS	RELATIVE ELEVATION	DIST (ft. & mi.) DIRECTION
A1	KINGS COUNTY FIRE DE	7622 HOUSTON AVE	FINDS		TP
A2	KINGS COUNTY FIRE DE	7622 HOUSTON AVE	EMI, CERS, HWTS		TP
B3	KINGS CO AG COMM SEA	7630 HOUSTON AVE	SSTS	Lower	1 ft.
B4	KINGS COUNTY AGRICUL	7630 HOUSTON AVE	FINDS	Lower	1 ft.
B5	KINGS COUNTY AG. COM	7630 HOUSTON AVE	CERS	Lower	1 ft.
B6	KINGS COUNTY - AG. C	7630 HOUSTON AVE	CUPA Listings	Lower	1 ft.
B7	KINGS COUNTY AGRICUL	7630 HOUSTON AVE	SSTS	Lower	1 ft.
8	KWRA MRF	7803 HANFORD-ARMONA	UST	Higher	1 ft.
9	HANFORD INERT LF (CI	7869 HOUSTON AVE	SWF/LF, CERS	Lower	104, 0.020, SSW
10	CORCORAN LANDFILL	NEVADA AVE 1 M NE OF	WMUDS/SWAT, LDS, Cortese, ENF, HIST CORTESE, WDS,...	Higher	691, 0.131, NNW
11	THE RECYCLE DEPOT SC	10716 8TH AVENUE	ENVIROSTOR, VCP, CUPA Listings	Higher	4757, 0.901, NNW

EXECUTIVE SUMMARY

TARGET PROPERTY SEARCH RESULTS

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

Site	Database(s)	EPA ID
KINGS COUNTY FIRE DE 7622 HOUSTON AVE HANFORD, CA 93230	FINDS Registry ID:: 110054257709	N/A
KINGS COUNTY FIRE DE 7622 HOUSTON AVE HANFORD, CA 93230	EMI Facility Id: 2116 CERS HWTS	N/A

DATABASES WITH NO MAPPED SITES

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

STANDARD ENVIRONMENTAL RECORDS

Federal NPL site list

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

Federal Delisted NPL site list

Delisted NPL ---------- National Priority List Deletions

Federal CERCLIS list

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

Federal CERCLIS NFRAP site list

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

Federal RCRA CORRACTS facilities list

CORRACTS ---------- Corrective Action Report

Federal RCRA non-CORRACTS TSD facilities list

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

EXECUTIVE SUMMARY

Federal RCRA generators list

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

Federal institutional controls / engineering controls registries

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

Federal ERNS list

ERNS ---- Emergency Response Notification System

State- and tribal - equivalent NPL

RESPONSE ---- State Response Sites

State and tribal leaking storage tank lists

LUST ---- Geotracker's Leaking Underground Fuel Tank Report
INDIAN LUST ---- Leaking Underground Storage Tanks on Indian Land
CPS-SLIC ---- Statewide SLIC Cases

State and tribal registered storage tank lists

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

State and tribal voluntary cleanup sites

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

State and tribal Brownfields sites

BROWNFIELDS ---- Considered Brownfieds Sites Listing

ADDITIONAL ENVIRONMENTAL RECORDS

Local Brownfield lists

US BROWNFIELDS ---- A Listing of Brownfields Sites

Local Lists of Landfill / Solid Waste Disposal Sites

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

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

Local Lists of Hazardous waste / Contaminated Sites

US HIST CDL	Delisted National Clandestine Laboratory Register
HIST Cal-Sites	Historical Calsites Database
SCH	School Property Evaluation Program
CDL	Clandestine Drug Labs
CERS HAZ WASTE	CERS HAZ WASTE
Toxic Pits	Toxic Pits Cleanup Act Sites
US CDL	National Clandestine Laboratory Register
PFAS	PFAS Contamination Site Location Listing

Local Lists of Registered Storage Tanks

SWEEPS UST	SWEEPS UST Listing
HIST UST	Hazardous Substance Storage Container Database
CERS TANKS	California Environmental Reporting System (CERS) Tanks
CA FID UST	Facility Inventory Database

Local Land Records

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

Records of Emergency Release Reports

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

Other Ascertainable Records

RCRA NonGen / NLR	RCRA - Non Generators / No Longer Regulated
FUDS	Formerly Used Defense Sites
DOD	Department of Defense Sites
SCRD DRYCLEANERS	State Coalition for Remediation of Drycleaners Listing
US FIN ASSUR	Financial Assurance Information
EPA WATCH LIST	EPA WATCH LIST
2020 COR ACTION	2020 Corrective Action Program List
TSCA	Toxic Substances Control Act
TRIS	Toxic Chemical Release Inventory System
ROD	Records Of Decision
RMP	Risk Management Plans
RAATS	RCRA Administrative Action Tracking System
PRP	Potentially Responsible Parties
PADS	PCB Activity Database System
ICIS	Integrated Compliance Information System
FTTS	FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)

MLTS Material Licensing Tracking System
COAL ASH DOE Steam-Electric Plant Operation Data
COAL ASH EPA Coal Combustion Residues Surface Impoundments List
PCB TRANSFORMER PCB Transformer Registration Database
RADINFO Radiation Information Database
HIST FTTS FIFRA/TSCA Tracking System Administrative Case Listing
DOT OPS Incident and Accident Data
CONSENT Superfund (CERCLA) Consent Decrees
INDIAN RESERV Indian Reservations
FUSRAP Formerly Utilized Sites Remedial Action Program
UMTRA Uranium Mill Tailings Sites
LEAD SMELTERS Lead Smelter Sites
US AIRS Aerometric Information Retrieval System Facility Subsystem
US MINES Mines Master Index File
ABANDONED MINES Abandoned Mines
UXO Unexploded Ordnance Sites
ECHO Enforcement & Compliance History Information
DOCKET HWC Hazardous Waste Compliance Docket Listing
FUELS PROGRAM EPA Fuels Program Registered Listing
CA BOND EXP. PLAN Bond Expenditure Plan
DRYCLEANERS Cleaner Facilities
ENF Enforcement Action Listing
Financial Assurance Financial Assurance Information Listing
HAZNET Facility and Manifest Data
ICE ICE
HWP EnviroStor Permitted Facilities Listing
HWT Registered Hazardous Waste Transporter Database
MINES Mines Site Location Listing
MWMP Medical Waste Management Program Listing
NPDES NPDES Permits Listing
PEST LIC Pesticide Regulation Licenses Listing
PROC Certified Processors Database
Notify 65 Proposition 65 Records
UIC UIC Listing
UIC GEO UIC GEO (GEOTRACKER)
WASTEWATER PITS Oil Wastewater Pits Listing
WDS Waste Discharge System
WIP Well Investigation Program Case List
MILITARY PRIV SITES MILITARY PRIV SITES (GEOTRACKER)
PROJECT PROJECT (GEOTRACKER)
WDR Waste Discharge Requirements Listing
CIWQS California Integrated Water Quality System
NON-CASE INFO NON-CASE INFO (GEOTRACKER)
OTHER OIL GAS OTHER OIL & GAS (GEOTRACKER)
PROD WATER PONDS PROD WATER PONDS (GEOTRACKER)
SAMPLING POINT SAMPLING POINT (GEOTRACKER)
WELL STIM PROJ Well Stimulation Project (GEOTRACKER)
MINES MRDS Mineral Resources Data System

EDR HIGH RISK HISTORICAL RECORDS

EDR Exclusive Records

EDR MGP EDR Proprietary Manufactured Gas Plants

EXECUTIVE SUMMARY

EDR Hist Auto ---------- EDR Exclusive Historical Auto Stations
EDR Hist Cleaner ---------- EDR Exclusive Historical Cleaners

EDR RECOVERED GOVERNMENT ARCHIVES

Exclusive Recovered Govt. Archives

RGA LF ---------- Recovered Government Archive Solid Waste Facilities List
RGA LUST ---------- Recovered Government Archive Leaking Underground Storage Tank

SURROUNDING SITES: SEARCH RESULTS

Surrounding sites were identified in the following databases.

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

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

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

STANDARD ENVIRONMENTAL RECORDS

State- and tribal - equivalent CERCLIS

ENVIROSTOR: The Department of Toxic Substances Control's (DTSC's) Site Mitigation and Brownfields Reuse Program's (SMBRP's) EnviroStor database identifes sites that have known contamination or sites for which there may be reasons to investigate further. The database includes the following site types: Federal Superfund sites (National Priorities List (NPL)); State Response, including Military Facilities and State Superfund; Voluntary Cleanup; and School sites. EnviroStor provides similar information to the information that was available in CalSites, and provides additional site information, including, but not limited to, identification of formerly-contaminated properties that have been released for reuse, properties where environmental deed restrictions have been recorded to prevent inappropriate land uses, and risk characterization information that is used to assess potential impacts to public health and the environment at contaminated sites.

A review of the ENVIROSTOR list, as provided by EDR, and dated 01/27/2020 has revealed that there is 1 ENVIROSTOR site within approximately 1 mile of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
THE RECYCLE DEPOT SC Facility Id: 60002841 Status: Active	***10716 8TH AVENUE***	***NNW 1/2 - 1 (0.901 mi.)***	***11***	***54***

EXECUTIVE SUMMARY

State and tribal landfill and/or solid waste disposal site lists

SWF/LF: The Solid Waste Facilities/Landfill Sites records typically contain an inventory of solid waste disposal facilities or landfills in a particular state. The data come from the Integrated Waste Management Board's Solid Waste Information System (SWIS) database.

A review of the SWF/LF list, as provided by EDR, has revealed that there is 1 SWF/LF site within approximately 0.5 miles of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
HANFORD INERT LF (CI	***7869 HOUSTON AVE***	***SSW 0 - 1/8 (0.020 mi.)***	***9***	***28***
Database: SWF/LF (SWIS), Date of Government Version: 02/10/2020				
Facility ID: 16-CR-0004				

State and tribal registered storage tank lists

UST: The Underground Storage Tank database contains registered USTs. USTs are regulated under Subtitle I of the Resource Conservation and Recovery Act (RCRA). The data come from the State Water Resources Control Board's Hazardous Substance Storage Container Database.

A review of the UST list, as provided by EDR, has revealed that there is 1 UST site within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
KWRA MRF	7803 HANFORD-ARMONA	0 - 1/8 (0.000 mi.)	8	28
Database: UST, Date of Government Version: 03/09/2020				
Facility Id: FA0001647				

ADDITIONAL ENVIRONMENTAL RECORDS

Local Lists of Landfill / Solid Waste Disposal Sites

WMUDS/SWAT: The Waste Management Unit Database System is used for program tracking and inventory of waste management units. The source is the State Water Resources Control Board.

A review of the WMUDS/SWAT list, as provided by EDR, and dated 04/01/2000 has revealed that there is 1 WMUDS/SWAT site within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
CORCORAN LANDFILL	***NEVADA AVE 1 M NE OF***	***NNW 1/8 - 1/4 (0.131 mi.)***	***10***	***29***

Other Ascertainable Records

SSTS: Section 7 of the Federal Insecticide, Fungicide and Rodenticide Act, as amended (92 Stat. 829) requires all registered pesticide-producing establishments to submit a report to the Environmental Protection Agency by March 1st each year. Each establishment must report the types and amounts of pesticides, active ingredients and devices being produced, and those having been produced and sold or distributed in the past year.

A review of the SSTS list, as provided by EDR, and dated 05/01/2019 has revealed that there are 2 SSTS sites within approximately 0.001 miles of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
KINGS CO AG COMM SEA Registration Number:: 011071-CA-001	7630 HOUSTON AVE	0 - 1/8 (0.000 mi.)	B3	14
KINGS COUNTY AGRICUL Registration Number:: 011071CA001	7630 HOUSTON AVE	0 - 1/8 (0.000 mi.)	B7	27

FINDS: The Facility Index System contains both facility information and "pointers" to other sources of information that contain more detail. These include: RCRIS; Permit Compliance System (PCS); Aerometric Information Retrieval System (AIRS); FATES (FIFRA [Federal Insecticide Fungicide Rodenticide Act] and TSCA Enforcement System, FTTS [FIFRA/TSCA Tracking System]; CERCLIS; DOCKET (Enforcement Docket used to manage and track information on civil judicial enforcement cases for all environmental statutes); Federal Underground Injection Control (FURS); Federal Reporting Data System (FRDS); Surface Impoundments (SIA); TSCA Chemicals in Commerce Information System (CICS); PADS; RCRA-J (medical waste transporters/disposers); TRIS; and TSCA. The source of this database is the U.S. EPA/NTIS.

A review of the FINDS list, as provided by EDR, and dated 02/03/2020 has revealed that there is 1 FINDS site within approximately 0.001 miles of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
KINGS COUNTY AGRICUL Registry ID:: 110038248651	7630 HOUSTON AVE	0 - 1/8 (0.000 mi.)	B4	24

Cortese: The sites for the list are designated by the State Water Resource Control Board (LUST), the Integrated Waste Board (SWF/LS), and the Department of Toxic Substances Control (Cal-Sites).

A review of the Cortese list, as provided by EDR, and dated 03/23/2020 has revealed that there is 1 Cortese site within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
CORCORAN LANDFILL	***NEVADA AVE 1 M NE OF***	***NNW 1/8 - 1/4 (0.131 mi.)***	***10***	***29***

CUPA Listings: A listing of sites included in the county's Certified Unified Program Agency database. California's Secretary for Environmental Protection established the unified hazardous materials and hazardous waste regulatory program as required by chapter 6.11 of the California Health and Safety Code. The Unified Program consolidates the administration, permits, inspections, and enforcement activities.

A review of the CUPA Listings list, as provided by EDR, has revealed that there is 1 CUPA Listings

site within approximately 0.25 miles of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
KINGS COUNTY - AG. C	7630 HOUSTON AVE	0 - 1/8 (0.000 mi.)	B6	27
Database: CUPA KINGS, Date of Government Version: 02/13/2020				
Facility Id: FA0001904				
Status: A				

HIST CORTESE: The sites for the list are designated by the State Water Resource Control Board [LUST], the Integrated Waste Board [SWF/LS], and the Department of Toxic Substances Control [CALSITES]. This listing is no longer updated by the state agency.

A review of the HIST CORTESE list, as provided by EDR, and dated 04/01/2001 has revealed that there is 1 HIST CORTESE site within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
CORCORAN LANDFILL	***NEVADA AVE 1 M NE OF***	***NNW 1/8 - 1/4 (0.131 mi.)***	***10***	***29***
Reg Id: 5D160302001				

CERS: The CalEPA Regulated Site Portal database combines data about environmentally regulated sites and facilities in California into a single database. It combines data from a variety of state and federal databases, and provides an overview of regulated activities across the spectrum of environmental programs for any given location in California. These activities include hazardous materials and waste, state and federal cleanups, impacted ground and surface waters, and toxic materials

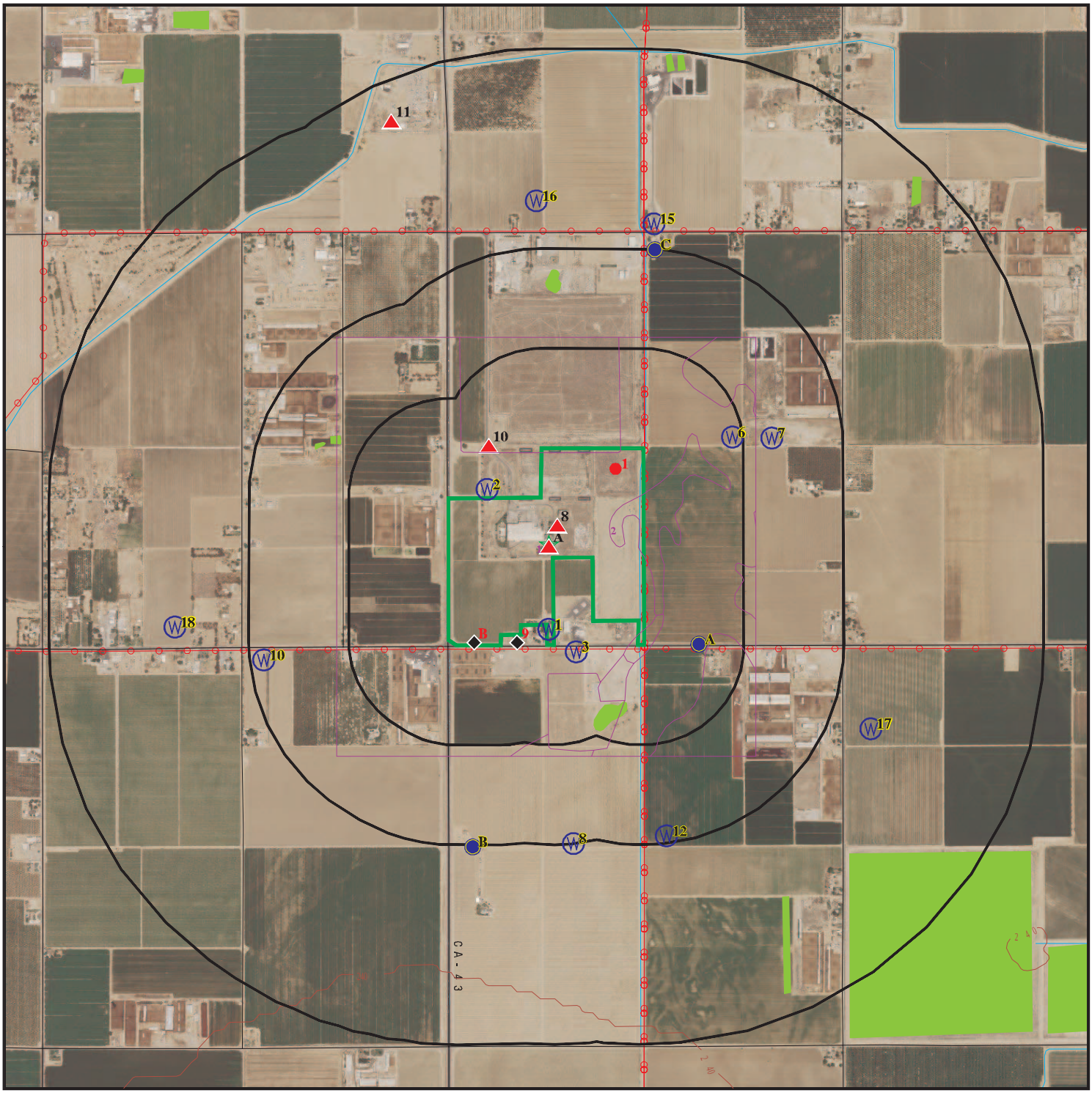
A review of the CERS list, as provided by EDR, and dated 01/21/2020 has revealed that there is 1 CERS site within approximately 0.001 miles of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
KINGS COUNTY AG. COM	7630 HOUSTON AVE	0 - 1/8 (0.000 mi.)	B5	25

EXECUTIVE SUMMARY

There were no unmapped sites in this report.

OVERVIEW MAP - 6108676.2S



Target Property

Sites at elevations higher than or equal to the target property

Sites at elevations lower than the target property

Manufactured Gas Plants

National Priority List Sites

Dept. Defense Sites

0 1/4 1/2 1 Miles

Indian Reservations BIA

Power transmission lines

Special Flood Hazard Area (1%)

0.2% Annual Chance Flood Hazard

National Wetland Inventory

State Wetlands

Areas of Concern

N

This report includes Interactive Map Layers to display and/or hide map information. The legend includes only those icons for the default map view.

SITE NAME:	Kings County Fire Station	CLIENT:	Provost & Pritchard Eng. Group
ADDRESS:	7622 HOUSTON AVE HANFORD CA 93230	CONTACT:	Stephanie Gillaspy
LAT/LONG:	36.302135 / 119.596231	INQUIRY #:	6108676.2s
		DATE:	July 01, 2020 11:51 am

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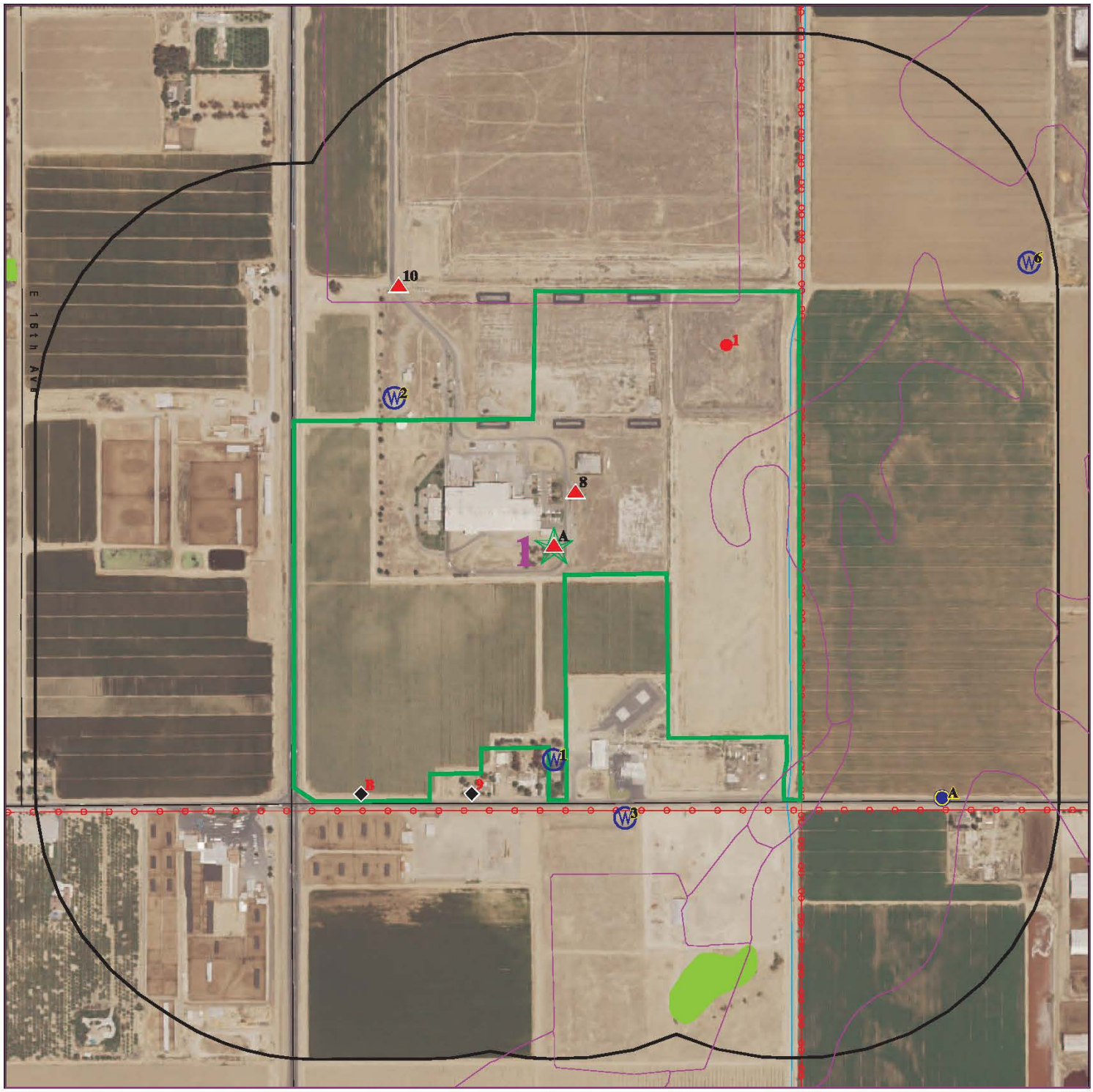
DETAIL MAP - 6108676.2S



Target Property
Sites at elevations higher than or equal to the target property
Sites at elevations lower than the target property
Manufactured Gas Plants
Sensitive Receptors
National Priority List Sites
Dept. Defense Sites

0 1/8 1/4 1/2 Miles

Indian Reservations BIA
Power transmission lines
Special Flood Hazard Area (1%)
0.2% Annual Chance Flood Hazard
National Wetland Inventory
State Wetlands

Areas of Concern

This report includes Interactive Map Layers to display and/or hide map information. The legend includes only those icons for the default map view.

SITE NAME:	Kings County Fire Station	CLIENT:	Provost & Pritchard Eng. Group
ADDRESS:	7622 HOUSTON AVE HANFORD CA 93230	CONTACT:	Stephanie Gillaspy
LAT/LONG:	36.302135 / 119.596231	INQUIRY #:	6108676.2s
		DATE:	July 01, 2020 11:52 am

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MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
STANDARD ENVIRONMENTAL RECORDS								
Federal NPL site list								
NPL	1.000		0	0	0	0	NR	0
Proposed NPL	1.000		0	0	0	0	NR	0
NPL LIENS	1.000		0	0	0	0	NR	0
Federal Delisted NPL site list								
Delisted NPL	1.000		0	0	0	0	NR	0
Federal CERCLIS list								
FEDERAL FACILITY	0.500		0	0	0	NR	NR	0
SEMS	0.500		0	0	0	NR	NR	0
Federal CERCLIS NFRAP site list								
SEMS-ARCHIVE	0.500		0	0	0	NR	NR	0
Federal RCRA CORRACTS facilities list								
CORRACTS	1.000		0	0	0	0	NR	0
Federal RCRA non-CORRACTS TSD facilities list								
RCRA-TSDF	0.500		0	0	0	NR	NR	0
Federal RCRA generators list								
RCRA-LQG	0.250		0	0	NR	NR	NR	0
RCRA-SQG	0.250		0	0	NR	NR	NR	0
RCRA-VSQG	0.250		0	0	NR	NR	NR	0
Federal institutional controls / engineering controls registries								
LUCIS	0.500		0	0	0	NR	NR	0
US ENG CONTROLS	0.500		0	0	0	NR	NR	0
US INST CONTROLS	0.500		0	0	0	NR	NR	0
Federal ERNS list								
ERNS	0.001		0	NR	NR	NR	NR	0
State- and tribal - equivalent NPL								
RESPONSE	1.000		0	0	0	0	NR	0
State- and tribal - equivalent CERCLIS								
ENVIROSTOR	1.000		0	0	0	1	NR	1
State and tribal landfill and/or solid waste disposal site lists								
SWF/LF	0.500		1	0	0	NR	NR	1
State and tribal leaking storage tank lists								
LUST	0.500		0	0	0	NR	NR	0

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
INDIAN LUST	0.500		0	0	0	NR	NR	0
CPS-SLIC	0.500		0	0	0	NR	NR	0
State and tribal registered storage tank lists								
FEMA UST	0.250		0	0	NR	NR	NR	0
UST	0.250		1	0	NR	NR	NR	1
AST	0.250		0	0	NR	NR	NR	0
INDIAN UST	0.250		0	0	NR	NR	NR	0
State and tribal voluntary cleanup sites								
INDIAN VCP	0.500		0	0	0	NR	NR	0
VCP	0.500		0	0	0	NR	NR	0
State and tribal Brownfields sites								
BROWNFIELDS	0.500		0	0	0	NR	NR	0
ADDITIONAL ENVIRONMENTAL RECORDS								
Local Brownfield lists								
US BROWNFIELDS	0.500		0	0	0	NR	NR	0
Local Lists of Landfill / Solid Waste Disposal Sites								
WMUDS/SWAT	0.500		0	1	0	NR	NR	1
SWRCY	0.500		0	0	0	NR	NR	0
HAULERS	0.001		0	NR	NR	NR	NR	0
INDIAN ODI	0.500		0	0	0	NR	NR	0
DEBRIS REGION 9	0.500		0	0	0	NR	NR	0
ODI	0.500		0	0	0	NR	NR	0
IHS OPEN DUMPS	0.500		0	0	0	NR	NR	0
Local Lists of Hazardous waste / Contaminated Sites								
US HIST CDL	0.001		0	NR	NR	NR	NR	0
HIST Cal-Sites	1.000		0	0	0	0	NR	0
SCH	0.250		0	0	NR	NR	NR	0
CDL	0.001		0	NR	NR	NR	NR	0
CERS HAZ WASTE	0.250		0	0	NR	NR	NR	0
Toxic Pits	1.000		0	0	0	0	NR	0
US CDL	0.001		0	NR	NR	NR	NR	0
PFAS	0.500		0	0	0	NR	NR	0
Local Lists of Registered Storage Tanks								
SWEEPS UST	0.250		0	0	NR	NR	NR	0
HIST UST	0.250		0	0	NR	NR	NR	0
CERS TANKS	0.250		0	0	NR	NR	NR	0
CA FID UST	0.250		0	0	NR	NR	NR	0
Local Land Records								
LIENS	0.001		0	NR	NR	NR	NR	0

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
LIENS 2	0.001		0	NR	NR	NR	NR	0
DEED	0.500		0	0	0	NR	NR	0
Records of Emergency Release Reports								
HMIRS	0.001		0	NR	NR	NR	NR	0
CHMIRS	0.001		0	NR	NR	NR	NR	0
LDS	0.001		0	NR	NR	NR	NR	0
MCS	0.001		0	NR	NR	NR	NR	0
SPILLS 90	0.001		0	NR	NR	NR	NR	0
Other Ascertainable Records								
RCRA NonGen / NLR	0.250		0	0	NR	NR	NR	0
FUDS	1.000		0	0	0	0	NR	0
DOD	1.000		0	0	0	0	NR	0
SCRD DRYCLEANERS	0.500		0	0	0	NR	NR	0
US FIN ASSUR	0.001		0	NR	NR	NR	NR	0
EPA WATCH LIST	0.001		0	NR	NR	NR	NR	0
2020 COR ACTION	0.250		0	0	NR	NR	NR	0
TSCA	0.001		0	NR	NR	NR	NR	0
TRIS	0.001		0	NR	NR	NR	NR	0
SSTS	0.001		2	NR	NR	NR	NR	2
ROD	1.000		0	0	0	0	NR	0
RMP	0.001		0	NR	NR	NR	NR	0
RAATS	0.001		0	NR	NR	NR	NR	0
PRP	0.001		0	NR	NR	NR	NR	0
PADS	0.001		0	NR	NR	NR	NR	0
ICIS	0.001		0	NR	NR	NR	NR	0
FTTS	0.001		0	NR	NR	NR	NR	0
MLTS	0.001		0	NR	NR	NR	NR	0
COAL ASH DOE	0.001		0	NR	NR	NR	NR	0
COAL ASH EPA	0.500		0	0	0	NR	NR	0
PCB TRANSFORMER	0.001		0	NR	NR	NR	NR	0
RADINFO	0.001		0	NR	NR	NR	NR	0
HIST FTTS	0.001		0	NR	NR	NR	NR	0
DOT OPS	0.001		0	NR	NR	NR	NR	0
CONSENT	1.000		0	0	0	0	NR	0
INDIAN RESERV	1.000		0	0	0	0	NR	0
FUSRAP	1.000		0	0	0	0	NR	0
UMTRA	0.500		0	0	0	NR	NR	0
LEAD SMELTERS	0.001		0	NR	NR	NR	NR	0
US AIRS	0.001		0	NR	NR	NR	NR	0
US MINES	0.250		0	0	NR	NR	NR	0
ABANDONED MINES	0.250		0	0	NR	NR	NR	0
FINDS	0.001	1	1	NR	NR	NR	NR	2
UXO	1.000		0	0	0	0	NR	0
ECHO	0.001		0	NR	NR	NR	NR	0
DOCKET HWC	0.001		0	NR	NR	NR	NR	0
FUELS PROGRAM	0.250		0	0	NR	NR	NR	0
CA BOND EXP. PLAN	1.000		0	0	0	0	NR	0
Cortese	0.500		0	1	0	NR	NR	1
CUPA Listings	0.250		1	0	NR	NR	NR	1

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
DRYCLEANERS	0.250		0	0	NR	NR	NR	0
EMI	0.001	1	0	NR	NR	NR	NR	1
ENF	0.001		0	NR	NR	NR	NR	0
Financial Assurance	0.001		0	NR	NR	NR	NR	0
HAZNET	0.001		0	NR	NR	NR	NR	0
ICE	0.001		0	NR	NR	NR	NR	0
HIST CORTESE	0.500		0	1	0	NR	NR	1
HWP	1.000		0	0	0	0	NR	0
HWT	0.250		0	0	NR	NR	NR	0
MINES	0.250		0	0	NR	NR	NR	0
MWMP	0.250		0	0	NR	NR	NR	0
NPDES	0.001		0	NR	NR	NR	NR	0
PEST LIC	0.001		0	NR	NR	NR	NR	0
PROC	0.500		0	0	0	NR	NR	0
Notify 65	1.000		0	0	0	0	NR	0
UIC	0.001		0	NR	NR	NR	NR	0
UIC GEO	0.001		0	NR	NR	NR	NR	0
WASTEWATER PITS	0.500		0	0	0	NR	NR	0
WDS	0.001		0	NR	NR	NR	NR	0
WIP	0.250		0	0	NR	NR	NR	0
MILITARY PRIV SITES	0.001		0	NR	NR	NR	NR	0
PROJECT	0.001		0	NR	NR	NR	NR	0
WDR	0.001		0	NR	NR	NR	NR	0
CIWQS	0.001		0	NR	NR	NR	NR	0
CERS	0.001	1	1	NR	NR	NR	NR	2
NON-CASE INFO	0.001		0	NR	NR	NR	NR	0
OTHER OIL GAS	0.001		0	NR	NR	NR	NR	0
PROD WATER PONDS	0.001		0	NR	NR	NR	NR	0
SAMPLING POINT	0.001		0	NR	NR	NR	NR	0
WELL STIM PROJ	0.001		0	NR	NR	NR	NR	0
HWTS	TP	1	NR	NR	NR	NR	NR	1
MINES MRDS	0.001		0	NR	NR	NR	NR	0
EDR HIGH RISK HISTORICAL RECORDS								
EDR Exclusive Records								
EDR MGP	1.000		0	0	0	0	NR	0
EDR Hist Auto	0.125		0	NR	NR	NR	NR	0
EDR Hist Cleaner	0.125		0	NR	NR	NR	NR	0
EDR RECOVERED GOVERNMENT ARCHIVES								
Exclusive Recovered Govt. Archives								
RGA LF	0.001		0	NR	NR	NR	NR	0
RGA LUST	0.001		0	NR	NR	NR	NR	0
- Totals --		4	7	3	0	1	0	15

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted

NOTES:

TP = Target Property

NR = Not Requested at this Search Distance

Sites may be listed in more than one database

A1
Target Property
KINGS COUNTY FIRE DEPARTMENT
7622 HOUSTON AVE
HANFORD, CA 93230

FINDS **1015940808**
N/A

Site 1 of 2 in cluster A

Actual: 245 ft.

FINDS:
Registry ID: 110054257709

Click Here:

Environmental Interest/Information System:
AIR EMISSIONS CLASSIFICATION UNKNOWN

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

A2
Target Property
KINGS COUNTY FIRE DEPARTMENT
7622 HOUSTON AVE
HANFORD, CA 93230

EMI **S109281861**
CERS **N/A**
HWTS

Site 2 of 2 in cluster A

Actual: 245 ft.

EMI:

Name:	KINGS COUNTY FIRE DEPARTMENT
Address:	7622 HOUSTON AVE
City,State,Zip:	HANFORD, CA 93230
Year:	2006
County Code:	16
Air Basin:	SJV
Facility ID:	2116
Air District Name:	SJU
SIC Code:	5541
Air District Name:	SAN JOAQUIN VALLEY UNIFIED APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	.0063216937805950146
Reactive Organic Gases Tons/Yr:	.0062967117603421244
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

Name:	KINGS COUNTY FIRE DEPARTMENT
Address:	7622 HOUSTON AVE
City,State,Zip:	HANFORD, CA 93230
Year:	2007
County Code:	16
Air Basin:	SJV
Facility ID:	2116
Air District Name:	SJU
SIC Code:	5541
Air District Name:	SAN JOAQUIN VALLEY UNIFIED APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	.0051811233527623931
Reactive Organic Gases Tons/Yr:	.0051606486298441866
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0

KINGS COUNTY FIRE DEPARTMENT (Continued) **S109281861**

Particulate Matter Tons/Yr: 0
Part. Matter 10 Micrometers and Smllr Tons/Yr: 0

Name: KINGS COUNTY FIRE DEPARTMENT
Address: 7622 HOUSTON AVE
City,State,Zip: HANFORD, CA 93230
Year: 2008
County Code: 16
Air Basin: SJV
Facility ID: 2116
Air District Name: SJU
SIC Code: 5541
Air District Name: SAN JOAQUIN VALLEY UNIFIED APCD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: .0083743403435269054
Reactive Organic Gases Tons/Yr: .0083412466905713057
Carbon Monoxide Emissions Tons/Yr: 0
NOX - Oxides of Nitrogen Tons/Yr: 0
SOX - Oxides of Sulphur Tons/Yr: 0
Particulate Matter Tons/Yr: 0
Part. Matter 10 Micrometers and Smllr Tons/Yr: 0

Name: KINGS COUNTY FIRE DEPARTMENT
Address: 7622 HOUSTON AVE
City,State,Zip: HANFORD, CA 93230
Year: 2009
County Code: 16
Air Basin: SJV
Facility ID: 2116
Air District Name: SJU
SIC Code: 9224
Air District Name: SAN JOAQUIN VALLEY UNIFIED APCD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 9.6991347630413106E-3
Reactive Organic Gases Tons/Yr: 9.6608057978153205E-3
Carbon Monoxide Emissions Tons/Yr: 0
NOX - Oxides of Nitrogen Tons/Yr: 0
SOX - Oxides of Sulphur Tons/Yr: 0
Particulate Matter Tons/Yr: 0
Part. Matter 10 Micrometers and Smllr Tons/Yr: 0

Name: KINGS COUNTY FIRE DEPARTMENT
Address: 7622 HOUSTON AVE
City,State,Zip: HANFORD, CA 93230
Year: 2010
County Code: 16
Air Basin: SJV
Facility ID: 2116
Air District Name: SJU
SIC Code: 9224
Air District Name: SAN JOAQUIN VALLEY UNIFIED APCD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 9.7013353883370797E-3
Reactive Organic Gases Tons/Yr: 9.6629999999999997E-3

KINGS COUNTY FIRE DEPARTMENT (Continued) **S109281861**

Carbon Monoxide Emissions Tons/Yr: 0
NOX - Oxides of Nitrogen Tons/Yr: 0
SOX - Oxides of Sulphur Tons/Yr: 0
Particulate Matter Tons/Yr: 0
Part. Matter 10 Micrometers and Smllr Tons/Yr: 0

Name: KINGS COUNTY FIRE DEPARTMENT
Address: 7622 HOUSTON AVE
City,State,Zip: HANFORD, CA 93230
Year: 2011
County Code: 16
Air Basin: SJV
Facility ID: 2116
Air District Name: SJU
SIC Code: 9224
Air District Name: SAN JOAQUIN VALLEY UNIFIED APCD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 0.0086352055879
Reactive Organic Gases Tons/Yr: 0.0086010810497
Carbon Monoxide Emissions Tons/Yr: 0
NOX - Oxides of Nitrogen Tons/Yr: 0
SOX - Oxides of Sulphur Tons/Yr: 0
Particulate Matter Tons/Yr: 0
Part. Matter 10 Micrometers and Smllr Tons/Yr: 0

Name: KINGS COUNTY FIRE DEPARTMENT
Address: 7622 HOUSTON AVE
City,State,Zip: HANFORD, CA 93230
Year: 2012
County Code: 16
Air Basin: SJV
Facility ID: 2116
Air District Name: SJU
SIC Code: 9224
Air District Name: SAN JOAQUIN VALLEY UNIFIED APCD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 0.0086352055879
Reactive Organic Gases Tons/Yr: 0.0086010810497
Carbon Monoxide Emissions Tons/Yr: 0
NOX - Oxides of Nitrogen Tons/Yr: 0
SOX - Oxides of Sulphur Tons/Yr: 0
Particulate Matter Tons/Yr: 0
Part. Matter 10 Micrometers and Smllr Tons/Yr: 0

Name: KINGS COUNTY FIRE DEPARTMENT
Address: 7622 HOUSTON AVE
City,State,Zip: HANFORD, CA 93230
Year: 2013
County Code: 16
Air Basin: SJV
Facility ID: 2116
Air District Name: SJU
SIC Code: 9224
Air District Name: SAN JOAQUIN VALLEY UNIFIED APCD
Community Health Air Pollution Info System: Not reported

KINGS COUNTY FIRE DEPARTMENT (Continued) **S109281861**

Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	0.0086021
Reactive Organic Gases Tons/Yr:	0.0086021
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

Name:	KINGS COUNTY FIRE DEPARTMENT
Address:	7622 HOUSTON AVE
City,State,Zip:	HANFORD, CA 93230
Year:	2014
County Code:	16
Air Basin:	SJV
Facility ID:	2116
Air District Name:	SJU
SIC Code:	9224
Air District Name:	SAN JOAQUIN VALLEY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	0.014041478252
Reactive Organic Gases Tons/Yr:	0.014041478252
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

Name:	KINGS COUNTY FIRE DEPARTMENT
Address:	7622 HOUSTON AVE
City,State,Zip:	HANFORD, CA 93230
Year:	2015
County Code:	16
Air Basin:	SJV
Facility ID:	2116
Air District Name:	SJU
SIC Code:	9224
Air District Name:	SAN JOAQUIN VALLEY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	0.019303
Reactive Organic Gases Tons/Yr:	0.019303
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

Name:	KINGS COUNTY FIRE DEPARTMENT
Address:	7622 HOUSTON AVE
City,State,Zip:	HANFORD, CA 93230
Year:	2016
County Code:	16
Air Basin:	SJV
Facility ID:	2116
Air District Name:	SJU

KINGS COUNTY FIRE DEPARTMENT (Continued) **S109281861**

SIC Code:	9224
Air District Name:	SAN JOAQUIN VALLEY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	0.019303
Reactive Organic Gases Tons/Yr:	0.019303
Carbon Monoxide Emissions Tons/Yr:	Not reported
NOX - Oxides of Nitrogen Tons/Yr:	Not reported
SOX - Oxides of Sulphur Tons/Yr:	Not reported
Particulate Matter Tons/Yr:	Not reported
Part. Matter 10 Micrometers and Smllr Tons/Yr:	Not reported

Name:	KINGS COUNTY FIRE DEPARTMENT
Address:	7622 HOUSTON AVE
City,State,Zip:	HANFORD, CA 93230
Year:	2017
County Code:	16
Air Basin:	SJV
Facility ID:	2116
Air District Name:	SJU
SIC Code:	9224
Air District Name:	SAN JOAQUIN VALLEY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	0.018918
Reactive Organic Gases Tons/Yr:	0.0091502
Carbon Monoxide Emissions Tons/Yr:	Not reported
NOX - Oxides of Nitrogen Tons/Yr:	Not reported
SOX - Oxides of Sulphur Tons/Yr:	Not reported
Particulate Matter Tons/Yr:	Not reported
Part. Matter 10 Micrometers and Smllr Tons/Yr:	Not reported

CERS:

Name:	KINGS COUNTY FIRE DEPARTMENT
Address:	7622 HOUSTON AVE
City,State,Zip:	HANFORD, CA 93230
Site ID:	475883
CERS ID:	110054257709
CERS Description:	US EPA Air Emission Inventory System (EIS)

HWTS:

Name:	KINGS COUNTY FIRE DEPARTMENT
Address:	7622 HOUSTON AVE
Address 2:	Not reported
City,State,Zip:	HANFORD, CA 932309348
EPA ID:	CAC002585623
Inactive Date:	08/16/2005
Create Date:	01/06/2005
Last Act Date:	08/16/2005
Mailing Name:	Not reported
Mailing Address:	280 N CAMPUS DR
Mailing Address 2:	Not reported
Mailing City,State,Zip:	HANFORD, CA 93230
Owner Name:	KINGS COUNTY FIRE DEPARTMENT
Owner Address:	280 N CAMPUS DR
Owner Address 2:	Not reported

KINGS COUNTY FIRE DEPARTMENT (Continued) **S109281861**

Owner City,State,Zip: HANFORD, CA 93230
Contact Name: JESSE VENEGAS
Contact Address: 280 N CAMPUS DR
Contact Address 2: Not reported
City,State,Zip: HANFORD, CA 93230

B3 **KINGS CO AG COMM SEALER** **SSTS** **1012195945**
7630 HOUSTON AVE **N/A**
< 1/8 **HANFORD, CA 93230**
1 ft.

Site 1 of 5 in cluster B

Relative: **Lower**
Actual: **243 ft.**

SSTS:
Name: KINGS CO AG COMM SEALER
Address: 7630 HOUSTON AVE
City,State,Zip: HANFORD, CA 93230
Report Year: 2014
Registration Number: 11071-CA-1

Pre 2016:
Registration Number: 11071-CA-1
Name: KINGS CO AG COMM SEALER
Address: 7630 HOUSTON AVE
Address 2: Not reported
Country Code: USA
Country: United States
Contact Name: STEVE SCHWEIZER
Contact Title: DEPUTY CO AG COMM
Contact Telephone: (559) 852-2830
Contact Email: AGSTAFF@CO.KINGS.CA.US
Product Name: ZINC PHOSPHIDE RODENT BAIT (2.0%, RUP)
Product Code: Not reported
EPA Product Registration Number: CA890027
Product Type: 2 - End Use Product
Product Classification: 54 - Rodenticide
Product Use: Not reported
Market Type: USA
Product Unit of Measure: Not reported
Region: 9
Zero Production: Not reported
RUP: 1 - Restricted Use Pesticide

Registration Number: 11071-CA-1
Name: KINGS CO AG COMM SEALER
Address: 7630 HOUSTON AVE
Address 2: Not reported
Country Code: USA
Country: United States
Contact Name: STEVE SCHWEIZER
Contact Title: DEPUTY CO AG COMM
Contact Telephone: (559) 852-2830
Contact Email: AGSTAFF@CO.KINGS.CA.US
Product Name: CHLORPHACINONE RODENT BAIT (0.01%)
Product Code: Not reported
EPA Product Registration Number: CA890024
Product Type: 2 - End Use Product
Product Classification: 54 - Rodenticide
Product Use: Not reported

KINGS CO AG COMM SEALER (Continued) **1012195945**

Market Type:	USA
Product Unit of Measure:	Not reported
Region:	9
Zero Production:	Not reported
RUP:	2 - All Other Products
Registration Number:	11071-CA-1
Name:	KINGS CO AG COMM SEALER
Address:	7630 HOUSTON AVE
Address 2:	Not reported
Country Code:	USA
Country:	United States
Contact Name:	STEVE SCHWEIZER
Contact Title:	DEPUTY CO AG COMM
Contact Telephone:	(559) 852-2830
Contact Email:	AGSTAFF@CO.KINGS.CA.US
Product Name:	CHLOROPHACINONE RODENTICIDE BAIT (0.005%, RUP)
Product Code:	Not reported
EPA Product Registration Number:	CA890023
Product Type:	2 - End Use Product
Product Classification:	54 - Rodenticide
Product Use:	Not reported
Market Type:	USA
Product Unit of Measure:	Not reported
Region:	9
Zero Production:	Not reported
RUP:	1 - Restricted Use Pesticide
Registration Number:	11071-CA-1
Name:	KINGS CO AG COMM SEALER
Address:	7630 HOUSTON AVE
Address 2:	Not reported
Country Code:	USA
Country:	United States
Contact Name:	STEVE SCHWEIZER
Contact Title:	DEPUTY CO AG COMM
Contact Telephone:	(559) 852-2830
Contact Email:	AGSTAFF@CO.KINGS.CA.US
Product Name:	DIPHACINONE RODENT BAIT (0.01%, RUP)
Product Code:	Not reported
EPA Product Registration Number:	CA890022
Product Type:	2 - End Use Product
Product Classification:	54 - Rodenticide
Product Use:	Not reported
Market Type:	USA
Product Unit of Measure:	Not reported
Region:	9
Zero Production:	Not reported
RUP:	1 - Restricted Use Pesticide
Registration Number:	11071-CA-1
Name:	KINGS CO AG COMM SEALER
Address:	7630 HOUSTON AVE
Address 2:	Not reported
Country Code:	USA
Country:	United States
Contact Name:	STEVE SCHWEIZER

KINGS CO AG COMM SEALER (Continued) **1012195945**

Contact Title:	DEPUTY CO AG COMM
Contact Telephone:	(559) 852-2830
Contact Email:	AGSTAFF@CO.KINGS.CA.US
Product Name:	DIPHACINONE RODENT BAIT (0.005%, RUP)
Product Code:	Not reported
EPA Product Registration Number:	CA890020
Product Type:	2 - End Use Product
Product Classification:	54 - Rodenticide
Product Use:	Not reported
Market Type:	USA
Product Unit of Measure:	Not reported
Region:	9
Zero Production:	Not reported
RUP:	1 - Restricted Use Pesticide

Registration Number:	11071-CA-1
Name:	KINGS CO AG COMM SEALER
Address:	7630 HOUSTON AVE
Address 2:	Not reported
Country Code:	USA
Country:	United States
Contact Name:	STEVE SCHWEIZER
Contact Title:	DEPUTY CO AG COMM
Contact Telephone:	(559) 852-2830
Contact Email:	AGSTAFF@CO.KINGS.CA.US
Product Name:	CDFA RODENT BAIT BLOCK, DIPHACINONE (0.005%)
Product Code:	Not reported
EPA Product Registration Number:	61282-26-10965
Product Type:	3 - Repackages/Relabeled
Product Classification:	54 - Rodenticide
Product Use:	Not reported
Market Type:	USA
Product Unit of Measure:	Not reported
Region:	9
Zero Production:	Not reported
RUP:	2 - All Other Products

Registration Number:	11071-CA-1
Name:	KINGS CO AG COMM SEALER
Address:	7630 HOUSTON AVE
Address 2:	Not reported
Country Code:	USA
Country:	United States
Contact Name:	STEVE SCHWEIZER
Contact Title:	DEPUTY CO AG COMM
Contact Telephone:	(559) 852-2830
Contact Email:	AGSTAFF@CO.KINGS.CA.US
Product Name:	ZINC PHOSPHIDE RODENT BAIT (2.0%, RUP)
Product Code:	Not reported
EPA Product Registration Number:	CA890027
Product Type:	2 - End Use Product
Product Classification:	54 - Rodenticide
Product Use:	Not reported
Market Type:	USA
Product Unit of Measure:	Not reported
Region:	9
Zero Production:	Not reported

KINGS CO AG COMM SEALER (Continued) **1012195945**

RUP:	1 - Restricted Use Pesticide
Registration Number:	11071-CA-1
Name:	KINGS CO AG COMM SEALER
Address:	7630 HOUSTON AVE
Address 2:	Not reported
Country Code:	USA
Country:	United States
Contact Name:	STEVE SCHWEIZER
Contact Title:	DEPUTY CO AG COMM
Contact Telephone:	(559) 852-2830
Contact Email:	AGSTAFF@CO.KINGS.CA.US
Product Name:	CHLORPHACINONE RODENT BAIT (0.01%)
Product Code:	Not reported
EPA Product Registration Number:	CA890024
Product Type:	2 - End Use Product
Product Classification:	54 - Rodenticide
Product Use:	Not reported
Market Type:	USA
Product Unit of Measure:	Not reported
Region:	9
Zero Production:	Not reported
RUP:	2 - All Other Products
Registration Number:	11071-CA-1
Name:	KINGS CO AG COMM SEALER
Address:	7630 HOUSTON AVE
Address 2:	Not reported
Country Code:	USA
Country:	United States
Contact Name:	STEVE SCHWEIZER
Contact Title:	DEPUTY CO AG COMM
Contact Telephone:	(559) 852-2830
Contact Email:	AGSTAFF@CO.KINGS.CA.US
Product Name:	CHLOROPHACINONE RODENTICIDE BAIT (0.005%, RUP)
Product Code:	Not reported
EPA Product Registration Number:	CA890023
Product Type:	2 - End Use Product
Product Classification:	54 - Rodenticide
Product Use:	Not reported
Market Type:	USA
Product Unit of Measure:	Not reported
Region:	9
Zero Production:	Not reported
RUP:	1 - Restricted Use Pesticide
Registration Number:	11071-CA-1
Name:	KINGS CO AG COMM SEALER
Address:	7630 HOUSTON AVE
Address 2:	Not reported
Country Code:	USA
Country:	United States
Contact Name:	STEVE SCHWEIZER
Contact Title:	DEPUTY CO AG COMM
Contact Telephone:	(559) 852-2830
Contact Email:	AGSTAFF@CO.KINGS.CA.US
Product Name:	DIPHACINONE RODENT BAIT (0.01%, RUP)

KINGS CO AG COMM SEALER (Continued) **1012195945**

Product Code:	Not reported
EPA Product Registration Number:	CA890022
Product Type:	2 - End Use Product
Product Classification:	54 - Rodenticide
Product Use:	Not reported
Market Type:	USA
Product Unit of Measure:	Not reported
Region:	9
Zero Production:	Not reported
RUP:	1 - Restricted Use Pesticide
Registration Number:	11071-CA-1
Name:	KINGS CO AG COMM SEALER
Address:	7630 HOUSTON AVE
Address 2:	Not reported
Country Code:	USA
Country:	United States
Contact Name:	STEVE SCHWEIZER
Contact Title:	DEPUTY CO AG COMM
Contact Telephone:	(559) 852-2830
Contact Email:	AGSTAFF@CO.KINGS.CA.US
Product Name:	DIPHACINONE RODENT BAIT (0.005%, RUP)
Product Code:	Not reported
EPA Product Registration Number:	CA890020
Product Type:	2 - End Use Product
Product Classification:	54 - Rodenticide
Product Use:	Not reported
Market Type:	USA
Product Unit of Measure:	Not reported
Region:	9
Zero Production:	Not reported
RUP:	1 - Restricted Use Pesticide
Registration Number:	11071-CA-1
Name:	KINGS CO AG COMM SEALER
Address:	7630 HOUSTON AVE
Address 2:	Not reported
Country Code:	USA
Country:	United States
Contact Name:	STEVE SCHWEIZER
Contact Title:	DEPUTY CO AG COMM
Contact Telephone:	(559) 852-2830
Contact Email:	AGSTAFF@CO.KINGS.CA.US
Product Name:	CDFA RODENT BAIT BLOCK, DIPHACINONE (0.005%)
Product Code:	Not reported
EPA Product Registration Number:	61282-26-10965
Product Type:	3 - Repackages/Relabeled
Product Classification:	54 - Rodenticide
Product Use:	Not reported
Market Type:	USA
Product Unit of Measure:	Not reported
Region:	9
Zero Production:	Not reported
RUP:	2 - All Other Products
Report Year:	2012

KINGS CO AG COMM SEALER (Continued) **1012195945**

Registration Number: 11071-CA-1

Pre 2016:
Registration Number: 11071-CA-1
Name: KINGS CO AG COMM SEALER
Address: 7630 HOUSTON AVE
Address 2: Not reported
Country Code: USA
Country: United States
Contact Name: STEVE SCHWEIZER
Contact Title: DEPUTY CO AG COMM
Contact Telephone: (559) 852-2830
Contact Email: AGSTAFF@CO.KINGS.CA.US
Product Name: CDFA RODENT BAIL BLOCK DIPHACINONE
Product Code: Not reported
EPA Product Registration Number: 61282-28-10965
Product Type: 3 - Repackages/Relabeled
Product Classification: 54 - Rodenticide
Product Use: Not reported
Market Type: USA
Product Unit of Measure: Not reported
Region: 9
Zero Production: Not reported
RUP: 2 - All Other Products

Report Year: 2008
Registration Number: 011071-CA-001

Pre 2016:
Registration Number: 011071-CA-001
Name: KINGS CO AG COMM SEALER
Address: 7630 HOUSTON AVE
Address 2: Not reported
Country Code: Not reported
Country: Not reported
Contact Name: LES WRIGHT DEPUTY CO AG COMM P: 55958232112830
Contact Title: Not reported
Contact Telephone: Not reported
Contact Email: Not reported
Product Name: CDFA RODENT BAIL BLOCK, DIPHACINONE (SUPP -10965)
Product Code: Not reported
EPA Product Registration Number: 61282-26
Product Type: 3
Product Classification: 54
Product Use: Not reported
Market Type: 1
Product Unit of Measure: Not reported
Region: 9
Zero Production: No
RUP: 2

Registration Number: 011071-CA-001
Name: KINGS CO AG COMM SEALER
Address: 7630 HOUSTON AVE
Address 2: Not reported
Country Code: Not reported
Country: Not reported

KINGS CO AG COMM SEALER (Continued) **1012195945**

Contact Name:	LES WRIGHT DEPUTY CO AG COMM P: 55958232112830
Contact Title:	Not reported
Contact Telephone:	Not reported
Contact Email:	Not reported
Product Name:	SLN CA-890020 RODENT BAIT DIPHACINONE, 0.005%
Product Code:	Not reported
EPA Product Registration Number:	011071-CF-00005
Product Type:	2
Product Classification:	54
Product Use:	Not reported
Market Type:	1
Product Unit of Measure:	Not reported
Region:	9
Zero Production:	No
RUP:	2

Registration Number:	011071-CA-001
Name:	KINGS CO AG COMM SEALER
Address:	7630 HOUSTON AVE
Address 2:	Not reported
Country Code:	Not reported
Country:	Not reported
Contact Name:	LES WRIGHT DEPUTY CO AG COMM P: 55958232112830
Contact Title:	Not reported
Contact Telephone:	Not reported
Contact Email:	Not reported
Product Name:	SLN CA-890022 RODENT BAIT DIPHACINONE, 0.01%
Product Code:	Not reported
EPA Product Registration Number:	011071-CF-00004
Product Type:	2
Product Classification:	54
Product Use:	Not reported
Market Type:	1
Product Unit of Measure:	Not reported
Region:	9
Zero Production:	No
RUP:	2

Registration Number:	011071-CA-001
Name:	KINGS CO AG COMM SEALER
Address:	7630 HOUSTON AVE
Address 2:	Not reported
Country Code:	Not reported
Country:	Not reported
Contact Name:	LES WRIGHT DEPUTY CO AG COMM P: 55958232112830
Contact Title:	Not reported
Contact Telephone:	Not reported
Contact Email:	Not reported
Product Name:	SLN CA-890023 RODENT BAIT CHLOROPHACINONE, 0.005%
Product Code:	Not reported
EPA Product Registration Number:	011071-CF-00003
Product Type:	2
Product Classification:	54
Product Use:	Not reported
Market Type:	1
Product Unit of Measure:	Not reported
Region:	9

KINGS CO AG COMM SEALER (Continued) **1012195945**

Zero Production: No
RUP: 2

Registration Number: 011071-CA-001
Name: KINGS CO AG COMM SEALER
Address: 7630 HOUSTON AVE
Address 2: Not reported
Country Code: Not reported
Country: Not reported
Contact Name: LES WRIGHT DEPUTY CO AG COMM P: 55958232112830
Contact Title: Not reported
Contact Telephone: Not reported
Contact Email: Not reported
Product Name: SLN CA-890024 RODENT BAIT CHLOROPHACINONE, 0.01%
Product Code: Not reported
EPA Product Registration Number: 011071-CF-00002
Product Type: 2
Product Classification: 54
Product Use: Not reported
Market Type: 1
Product Unit of Measure: Not reported
Region: 9
Zero Production: No
RUP: 2

Registration Number: 011071-CA-001
Name: KINGS CO AG COMM SEALER
Address: 7630 HOUSTON AVE
Address 2: Not reported
Country Code: Not reported
Country: Not reported
Contact Name: LES WRIGHT DEPUTY CO AG COMM P: 55958232112830
Contact Title: Not reported
Contact Telephone: Not reported
Contact Email: Not reported
Product Name: SLN CA-980027 RODENT BAIT ZN PHOSPHIDE 2%
Product Code: Not reported
EPA Product Registration Number: 011071-CF-00001
Product Type: 2
Product Classification: 54
Product Use: Not reported
Market Type: 1
Product Unit of Measure: Not reported
Region: 9
Zero Production: No
RUP: 1

Report Year: 2009
Registration Number: 011071-CA-001

Pre 2016:
Registration Number: 011071-CA-001
Name: KINGS CO AG COMM SEALER
Address: 7630 HOUSTON AVE
Address 2: Not reported
Country Code: Not reported
Country: Not reported

KINGS CO AG COMM SEALER (Continued) **1012195945**

Contact Name:	LES WRIGHT DEPUTY CO AG COMM P: 55958232112830
Contact Title:	Not reported
Contact Telephone:	Not reported
Contact Email:	Not reported
Product Name:	CDFA RODENT BAIL BLOCK, DIPHACINONE
Product Code:	Not reported
EPA Product Registration Number:	61282-26-10965
Product Type:	3
Product Classification:	54
Product Use:	Not reported
Market Type:	1
Product Unit of Measure:	Not reported
Region:	Not reported
Zero Production:	No
RUP:	2

Registration Number:	011071-CA-001
Name:	KINGS CO AG COMM SEALER
Address:	7630 HOUSTON AVE
Address 2:	Not reported
Country Code:	Not reported
Country:	Not reported
Contact Name:	LES WRIGHT DEPUTY CO AG COMM P: 55958232112830
Contact Title:	Not reported
Contact Telephone:	Not reported
Contact Email:	Not reported
Product Name:	CHLOROPHACINONE RODENTICIDE BAIT (0.005%)
Product Code:	Not reported
EPA Product Registration Number:	CA890023
Product Type:	2
Product Classification:	54
Product Use:	Not reported
Market Type:	1
Product Unit of Measure:	Not reported
Region:	Not reported
Zero Production:	No
RUP:	2

Registration Number:	011071-CA-001
Name:	KINGS CO AG COMM SEALER
Address:	7630 HOUSTON AVE
Address 2:	Not reported
Country Code:	Not reported
Country:	Not reported
Contact Name:	LES WRIGHT DEPUTY CO AG COMM P: 55958232112830
Contact Title:	Not reported
Contact Telephone:	Not reported
Contact Email:	Not reported
Product Name:	CHLORPHACINONE RODENT BAIT (0.01%)
Product Code:	Not reported
EPA Product Registration Number:	CA890024
Product Type:	1
Product Classification:	54
Product Use:	Not reported
Market Type:	1
Product Unit of Measure:	Not reported
Region:	Not reported

KINGS CO AG COMM SEALER (Continued) **1012195945**

Zero Production:	No
RUP:	2
Registration Number:	011071-CA-001
Name:	KINGS CO AG COMM SEALER
Address:	7630 HOUSTON AVE
Address 2:	Not reported
Country Code:	Not reported
Country:	Not reported
Contact Name:	LES WRIGHT DEPUTY CO AG COMM P: 55958232112830
Contact Title:	Not reported
Contact Telephone:	Not reported
Contact Email:	Not reported
Product Name:	DIPHACINONE RODENT BAIT (0.005%)
Product Code:	Not reported
EPA Product Registration Number:	CA890020
Product Type:	2
Product Classification:	54
Product Use:	Not reported
Market Type:	1
Product Unit of Measure:	Not reported
Region:	Not reported
Zero Production:	No
RUP:	2
Registration Number:	011071-CA-001
Name:	KINGS CO AG COMM SEALER
Address:	7630 HOUSTON AVE
Address 2:	Not reported
Country Code:	Not reported
Country:	Not reported
Contact Name:	LES WRIGHT DEPUTY CO AG COMM P: 55958232112830
Contact Title:	Not reported
Contact Telephone:	Not reported
Contact Email:	Not reported
Product Name:	DIPHACINONE RODENT BAIT (0.01%)
Product Code:	Not reported
EPA Product Registration Number:	CA890022
Product Type:	2
Product Classification:	54
Product Use:	Not reported
Market Type:	1
Product Unit of Measure:	Not reported
Region:	Not reported
Zero Production:	No
RUP:	2
Registration Number:	011071-CA-001
Name:	KINGS CO AG COMM SEALER
Address:	7630 HOUSTON AVE
Address 2:	Not reported
Country Code:	Not reported
Country:	Not reported
Contact Name:	LES WRIGHT DEPUTY CO AG COMM P: 55958232112830
Contact Title:	Not reported
Contact Telephone:	Not reported
Contact Email:	Not reported

KINGS CO AG COMM SEALER (Continued) **1012195945**

Product Name:	ZINC PHOSPHIDE RODENT BAIT (2.0%, RUP)
Product Code:	Not reported
EPA Product Registration Number:	CA890027
Product Type:	2
Product Classification:	54
Product Use:	Not reported
Market Type:	1
Product Unit of Measure:	Not reported
Region:	Not reported
Zero Production:	No
RUP:	1
Report Year:	Not reported
Registration Number:	11071-CA-1
Report Year:	Not reported
Registration Number:	11071-CA-1

B4 **KINGS COUNTY AGRICULTURAL COMM SEALER** **FINDS** **1016343934**
7630 HOUSTON AVE **N/A**
< 1/8 **HANFORD, CA 93230**
1 ft.

Site 2 of 5 in cluster B

Relative: FINDS:
Lower Registry ID: 110038248651

Actual: Click Here:
243 ft.

Environmental Interest/Information System:

ICIS (Integrated Compliance Information System) is the Integrated Compliance Information System and provides a database that, when complete, will contain integrated Enforcement and Compliance information across most of EPA's 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. This information is maintained in ICIS by EPA in the Regional offices and it Headquarters. A future release of ICIS will replace the Permit Compliance System (PCS) which supports the NPDES and will integrate that information with Federal actions already in the system. ICIS also has the capability to track other activities occurring in the Region that support Compliance and Enforcement programs. These include; Incident Tracking, Compliance Assistance, and Compliance Monitoring. SSTS (Section Seven Tracking System) evolved from the FIFRA and TSCA Enforcement System (FATES). SSTS tracks the registration of all pesticide-producing establishments and tracks annually the types and amounts of pesticides, active ingredients, and related devices that are produced, sold, or distributed each year.

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

B5 **KINGS COUNTY AG. COMMISSIONER** **CERS** **S121766795**
7630 HOUSTON AVE **N/A**
< 1/8 **HANFORD, CA 93230**
1 ft.

Site 3 of 5 in cluster B

Relative: **Lower**

Actual: **243 ft.**

CERS:

Name:	KINGS COUNTY AG. COMMISSIONER
Address:	7630 HOUSTON AVE
City,State,Zip:	HANFORD, CA 93230
Site ID:	361799
CERS ID:	10652872
CERS Description:	Chemical Storage Facilities

Evaluation:

Eval General Type:	Compliance Evaluation Inspection
Eval Date:	12-11-2015
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	The facility's hazardous material inventory was observed up-to-date. Some changes in quantities were changed on CERS during the inspection. Employee training for pesticides use was up-to-date. Also, the facility recently implemented a Bait Facility Handbook that was recently reviewed and signed by each employee. All of the facility's hazardous materials were observed properly labeled and maintained.
Eval Division:	Kings County Environmental Health
Eval Program:	HMRRP
Eval Source:	CERS

Coordinates:

Site ID:	361799
Facility Name:	Kings County Ag. Commissioner
Env Int Type Code:	HMBP
Program ID:	10652872
Coord Name:	Not reported
Ref Point Type Desc:	Center of a facility or station.
Latitude:	36.298530
Longitude:	-119.594180

Affiliation:

Affiliation Type Desc:	Operator
Entity Name:	Kings County Ag. Commissioner
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	(559) 852-2830

Affiliation Type Desc:	CUPA District
Entity Name:	Kings County Env Health
Entity Title:	Not reported
Affiliation Address:	330 Campus Drive
Affiliation City:	Hanford
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	93230
Affiliation Phone:	(559) 584-1411

KINGS COUNTY AG. COMMISSIONER (Continued) **S121766795**

Affiliation Type Desc:	Document Preparer
Entity Name:	Steve Schweizer
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported

Affiliation Type Desc:	Environmental Contact
Entity Name:	Steve Schwiezer
Entity Title:	Not reported
Affiliation Address:	680 N. Campus Dr. Suite B
Affiliation City:	Hanford
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	93230
Affiliation Phone:	Not reported

Affiliation Type Desc:	Identification Signer
Entity Name:	Steve Schweizer
Entity Title:	Deputy Agricultural Commissioner/Sealer
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported

Affiliation Type Desc:	Facility Mailing Address
Entity Name:	Mailing Address
Entity Title:	Not reported
Affiliation Address:	680 N. Campus Dr. Suite B
Affiliation City:	Hanford
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	93230
Affiliation Phone:	Not reported

Affiliation Type Desc:	Legal Owner
Entity Name:	Kings County
Entity Title:	Not reported
Affiliation Address:	1400 W. Lacey Blvd.
Affiliation City:	Hanford
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	93230
Affiliation Phone:	(559) 852-2830

Affiliation Type Desc:	Parent Corporation
Entity Name:	Kings County Ag. Commissioner
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported

KINGS COUNTY AG. COMMISSIONER (Continued) **S121766795**

Affiliation Zip: Not reported
Affiliation Phone: Not reported

B6 **KINGS COUNTY - AG. COMMISSIONER** **CUPA Listings** **S117684763**
7630 HOUSTON AVE **N/A**
< 1/8 **HANFORD, CA 93230**
1 ft.

Site 4 of 5 in cluster B

Relative: Lower
Actual: 243 ft.

CUPA KINGS:
Name: KINGS COUNTY - AG. COMMISSIONER
Address: 7630 HOUSTON AVE
City,State,Zip: HANFORD, CA 93230
Region: KING
Facility Id: FA0001904
Status: A
PE: 2227
Mailing Address 1: 1444 W. LACEY BLVD.
Mailing State: CA
Mailing Zip: 93230
Decode of Fstatus: Active
Mailing Name: Not reported

B7 **KINGS COUNTY AGRICULTURAL COMM SEALER** **SSTS** **1012003781**
7630 HOUSTON AVE **N/A**
< 1/8 **HANFORD, CA 93230**
1 ft.

Site 5 of 5 in cluster B

Relative: Lower
Actual: 243 ft.

SSTS:
Name: KINGS COUNTY AGRICULTURAL COMM SEALER
Address: 7630 HOUSTON AVE
City,State,Zip: HANFORD, CA 93230
Report Year: 2007
Registration Number: 011071CA001

Pre 2016:
Registration Number: 011071CA001
Name: KINGS COUNTY AGRICULTURAL COMM SEALER
Address: 7630 HOUSTON AVE
Address 2: Not reported
Country Code: Not reported
Country: Not reported
Contact Name: Not reported
Contact Title: Not reported
Contact Telephone: Not reported
Contact Email: Not reported
Product Name: CDFA RODENT BAIL BLOCK, DIPHACINONE (SUPP -10965)
Product Code: 1
EPA Product Registration Number: 06128200026
Product Type: 3
Product Classification: 03
Product Use: 2
Market Type: 1
Product Unit of Measure: Not reported
Region: 09

KINGS COUNTY AGRICULTURAL COMM SEALER (Continued) **1012003781**

Zero Production: Not reported
RUP: Not reported

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8 **KWRA MRF** **UST** **U003785950**
7803 HANFORD-ARMONA RD **N/A**
< 1/8 **HANFORD, CA 93230**
1 ft.

Relative: **Higher**
Actual: **245 ft.**

UST:
Name: KWRA MRF
Address: 7803 HANFORD-ARMONA RD
City,State,Zip: HANFORD, CA 93230
Facility ID: FA0001647
Permitting Agency: KINGS COUNTY
Latitude: 36.30289
Longitude: -119.59586

---

9 **HANFORD INERT LF (CITY OF HANFORD LF)** **SWF/LF** **S109821512**
SSW **7869 HOUSTON AVE** **CERS** **N/A**
< 1/8 **HANFORD, CA 93230**
0.020 mi.
104 ft.

Relative: **Lower**
Actual: **244 ft.**

SWF/LF (SWIS):
Name: HANFORD INERT/FILLIPI LF AKA OLD HANFORD
Address: 7869 HOUSTON AVE (SE SECT HOUSTON & 8TH)
City,State,Zip: HANFORD, CA
Facility ID: 16-CR-0004
Lat/Long: 36.29665 / -119.59429
Owner Name: Not reported
Owner Telephone: Not reported
Owner Address: Not reported
Owner Address2: Not reported
Owner City,St,Zip: Not reported
Operational Status: Not reported
Operator: Not reported
Operator Phone: Not reported
Operator Address: Not reported
Operator Address2: Not reported
Operator City,St,Zip: Not reported
Permit Date: Not reported
Permit Status: Not reported
Permitted Acreage: Not reported
Activity: Not reported
Regulation Status: Not reported
Landuse Name: Agricultural
GIS Source: GPS
Category: Not reported
Unit Number: Not reported
Inspection Frequency: Not reported
Accepted Waste: Not reported
Closure Date: Not reported
Closure Type: Not reported
Disposal Acreage: Not reported
SWIS Num: 16-CR-0004

HANFORD INERT LF (CITY OF HANFORD LF) (Continued) **S109821512**

Waste Discharge Requirement Num: Not reported
Program Type: Not reported
Permitted Throughput with Units: Not reported
Actual Throughput with Units: Not reported
Permitted Capacity with Units: Not reported
Remaining Capacity: Not reported
Remaining Capacity with Units: Not reported
Lat/Long: 36.29665 / -119.59429

CERS:
Name: HANFORD INERT/FILLIPI LF AKA OLD HANFORD
Address: 7869 HOUSTON AVE (SE SECT HOUSTON & 8TH)
City,State,Zip: HANFORD, CA
Site ID: 509101
CERS ID: 16-CR-0004
CERS Description: Solid Waste and Recycle Sites

Name: HANFORD INERT LF (CITY OF HANFORD LF)
Address: 7869 HOUSTON AVE
City,State,Zip: HANFORD, CA 93230
Site ID: 471512
CERS ID: 110013997942
CERS Description: US EPA Air Emission Inventory System (EIS)

10
NNW
1/8-1/4
0.131 mi.
691 ft.

Relative:
Higher

Actual:
247 ft.

CORCORAN LANDFILL **WMUDS/SWAT** **S104310365**
NEVADA AVE 1 M NE OF CORCORAN **LDS** **N/A**
CORCORAN, CA 93230 **Cortese**
ENF
HIST CORTESE
WDS
CIWQS
CERS

WMUDS/SWAT:
Edit Date: 19950424
Complexity: Category B - Any facility having a physical, chemical, or biological waste treatment system (except for septic systems with subsurface disposal), or any Class II or III disposal site, or facilities without treatment systems that are complex, such as marinas with petroleum products, solid wastes, and sewage pump out facilities.
Primary Waste: SLDWST
Primary Waste Type: Inert/Influent or Solid Wastes that do not contain soluble pollutants or organic wastes and have little adverse impact on water quality. Such wastes could cause turbidity and siltation. Uncontaminated soils, rubble and concrete are examples of this category.
Secondary Waste: Solid Wastes
Secondary Waste Type: N
Base Meridian: MD
NPID: Not reported
Tonnage: 50
Regional Board ID: Not reported
Municipal Solid Waste: False
Superorder: False
Open To Public: False
Waste List: False
Agency Type: County
Agency Name: KINGS WASTE & RECYCLING AUTH

CORCORAN LANDFILL (Continued) **S104310365**

Agency Department:	DEPARTMENT OF PUBLIC WORKS
Agency Address:	7803 HANFORD-ARMONA RD
Agency City,St,Zip:	HANFORD CA 93230
Agency Contact:	MICHAEL R ADAMS
Agency Telephone:	5595838829
Land Owner Name:	COUNTY OF KINGS
Land Owner Address:	1400 W. LACEY BLVD.
Land Owner City,St,Zip:	HANFORD, CA 93230
Land Owner Contact:	RAYMOND NIELSEN, DIRECTOR
Land Owner Phone:	2095823211
Region:	5F
Facility Type:	Solid Waste Site-Class III - Landfills for non hazardous solid wastes.
Facility Description:	Not reported
Facility Telephone:	Not reported
SWAT Facility Name:	CORCORAN SANITARY LANDFILL
Primary SIC:	4953
Secondary SIC:	Not reported
Comments:	Not reported
Last Facility Editors:	CDCCDCCDC
Waste Discharge System:	True
Solid Waste Assessment Test Program:	True
Toxic Pits Cleanup Act Program:	False
Resource Conservation Recovery Act:	False
Department of Defence:	False
Solid Waste Assessment Test Program:	COUNTY OF KINGS
Threat to Water Quality:	Major Threat to Water Quality. A violation could render unusable a ground water or surface water resource used as a significant drink water supply, require closure of an area used for contact recreation, result in long-term deleterious effects on shell fish spawning or growth areas of aquatic resources, or directly expose the public to toxic substances.
Sub Chapter 15:	True
Regional Board Project Officer:	CLR
Number of WMUDS at Facility:	1
Section Range:	21S22E03
RCRA Facility:	No
Waste Discharge Requirements:	A
Self-Monitoring Rept. Frequency:	Quarterly Submittal
Waste Discharge System ID:	5D160302001
Solid Waste Information ID:	16-AA-0011

LDS:

Name:	CORCORAN LANDFILL
Address:	NEVADA AVE 1 M NE OF CORCORAN
City,State,Zip:	CORCORAN, CA 93230
Global Id:	L10009897594
Latitude:	36.13208
Longitude:	-119.5752
Case Type:	Land Disposal Site
Status:	Open - Closed/with Monitoring
Status Date:	12/31/1997
Lead Agency:	CENTRAL VALLEY RWQCB (REGION 5F)
Caseworker:	KSG
Local Agency:	Not reported
RB Case Number:	5D160302001
LOC Case Number:	Not reported

CORCORAN LANDFILL (Continued) **S104310365**

File Location: Not reported
Potential Media Affect: Not reported
EDR Link ID: L10009897594
Potential Contaminants of Concern: Not reported
Site History: The facility is on a 60-acre property at the intersection of Nevada Avenue and State Route 43, Corcoran. The existing landfill area consists of one unlined waste management unit. The facility is comprised of Assessors Parcel Numbers (APN) 34-01-102. The Discharger accepted wastes for disposal from 1973 through 30 June 1990.

Click here to access the California GeoTracker records for this facility:

CORTESE:
Name: CORCORAN LANDFILL
Address: NEVADA AVE 1 M NE OF CORCORAN
City,State,Zip: CORCORAN, CA 93230
Region: CORTESE
Envirostor Id: Not reported
Global ID: Not reported
Site/Facility Type: Not reported
Cleanup Status: Not reported
Status Date: Not reported
Site Code: Not reported
Latitude: Not reported
Longitude: Not reported
Owner: Not reported
Enf Type: Not reported
Swat R: Not reported
Flag: CORTESE
Order No: 00-159
Waste Discharge System No: Not reported
Effective Date: 06/16/2000
Region 2: 5F
WID Id: 5D160302001
Solid Waste Id No: Not reported
Waste Management Uit Name: Not reported
File Name: Cease Desist Orders & Cleanup Abatement Orders

ENF:
Name: CORCORAN LANDFILL
Address: NEVADA AVE 1 M NE OF CORCORAN
City,State,Zip: CORCORAN, CA 93230
Region: Not reported
Facility Id: 215695
Agency Name: Kings Cnty Waste & Recycling Authority
Place Type: Waste Management Unit
Place Subtype: Land fill
Facility Type: Solid Waste Class III - nonhazardous solid wastes
Agency Type: County Agency
Of Agencies: 1
Place Latitude: 36.305788
Place Longitude: -119.598927
SIC Code 1: 4953
SIC Desc 1: Refuse Systems
SIC Code 2: Not reported

CORCORAN LANDFILL (Continued) **S104310365**

SIC Desc 2:	Not reported
SIC Code 3:	Not reported
SIC Desc 3:	Not reported
NAICS Code 1:	Not reported
NAICS Desc 1:	Not reported
NAICS Code 2:	Not reported
NAICS Desc 2:	Not reported
NAICS Code 3:	Not reported
NAICS Desc 3:	Not reported
# Of Places:	1
Source Of Facility:	Reg Meas
Design Flow:	0
Threat To Water Quality:	1
Complexity:	B
Pretreatment:	X - Facility is not a POTW
Facility Waste Type:	Inert solid wastes
Facility Waste Type 2:	Solid wastes, NEC
Facility Waste Type 3:	Not reported
Facility Waste Type 4:	Not reported
Program:	LFNONOPER
Program Category1:	LNDISP
Program Category2:	LNDISP
# Of Programs:	1
WDID:	5D160302001
Reg Measure Id:	147840
Reg Measure Type:	WDR
Region:	Not reported
Order #:	00-159
Npdes# CA#:	Not reported
Major-Minor:	Not reported
Npdes Type:	Not reported
Reclamation:	N - No
Dredge Fill Fee:	Not reported
301H:	Not reported
Application Fee Amt Received:	Not reported
Status:	Historical
Status Date:	01/07/2015
Effective Date:	06/16/2000
Expiration/Review Date:	08/01/2012
Termination Date:	12/04/2014
WDR Review - Amend:	Not reported
WDR Review - Revise/Renew:	Not reported
WDR Review - Rescind:	Not reported
WDR Review - No Action Required:	Not reported
WDR Review - Pending:	Not reported
WDR Review - Planned:	Not reported
Status Enrollee:	N
Individual/General:	I
Fee Code:	59 - Land Disposal Site not paying tipping fee
Direction/Voice:	Passive
Enforcement Id(EID):	230032
Region:	Not reported
Order / Resolution Number:	97-714
Enforcement Action Type:	Clean-up and Abatement Order
Effective Date:	09/18/1997
Adoption/Issuance Date:	Not reported
Achieve Date:	Not reported

CORCORAN LANDFILL (Continued) **S104310365**

Termination Date:	12/05/2014
ACL Issuance Date:	Not reported
EPL Issuance Date:	Not reported
Status:	Historical
Title:	Enforcement - 5D160302001
Description:	DIRECTS DISCHARGER TO COMPLETE A DMP, EMP, AND ESTABLISH CAP AT LANDFILL.
Program:	LNDISP
Latest Milestone Completion Date:	Not reported
# Of Programs1:	1
Total Assessment Amount:	0
Initial Assessed Amount:	0
Liability $ Amount:	0
Project $ Amount:	0
Liability $ Paid:	0
Project $ Completed:	0
Total $ Paid/Completed Amount:	0

Name:	CORCORAN LANDFILL
Address:	NEVADA AVE 1 M NE OF CORCORAN
City,State,Zip:	CORCORAN, CA 93230
Region:	Not reported
Facility Id:	215695
Agency Name:	Kings Cnty Waste & Recycling Authority
Place Type:	Waste Management Unit
Place Subtype:	Land fill
Facility Type:	Solid Waste Class III - nonhazardous solid wastes
Agency Type:	County Agency
# Of Agencies:	1
Place Latitude:	36.305788
Place Longitude:	-119.598927
SIC Code 1:	4953
SIC Desc 1:	Refuse Systems
SIC Code 2:	Not reported
SIC Desc 2:	Not reported
SIC Code 3:	Not reported
SIC Desc 3:	Not reported
NAICS Code 1:	Not reported
NAICS Desc 1:	Not reported
NAICS Code 2:	Not reported
NAICS Desc 2:	Not reported
NAICS Code 3:	Not reported
NAICS Desc 3:	Not reported
# Of Places:	1
Source Of Facility:	Reg Meas
Design Flow:	0
Threat To Water Quality:	1
Complexity:	B
Pretreatment:	X - Facility is not a POTW
Facility Waste Type:	Inert solid wastes
Facility Waste Type 2:	Solid wastes, NEC
Facility Waste Type 3:	Not reported
Facility Waste Type 4:	Not reported
Program:	LFNONOPER
Program Category1:	LNDISP
Program Category2:	LNDISP
# Of Programs:	1

CORCORAN LANDFILL (Continued) **S104310365**

WDID:	5D160302001
Reg Measure Id:	147840
Reg Measure Type:	WDR
Region:	Not reported
Order #:	00-159
Npdes# CA#:	Not reported
Major-Minor:	Not reported
Npdes Type:	Not reported
Reclamation:	N - No
Dredge Fill Fee:	Not reported
301H:	Not reported
Application Fee Amt Received:	Not reported
Status:	Historical
Status Date:	01/07/2015
Effective Date:	06/16/2000
Expiration/Review Date:	08/01/2012
Termination Date:	12/04/2014
WDR Review - Amend:	Not reported
WDR Review - Revise/Renew:	Not reported
WDR Review - Rescind:	Not reported
WDR Review - No Action Required:	Not reported
WDR Review - Pending:	Not reported
WDR Review - Planned:	Not reported
Status Enrollee:	N
Individual/General:	I
Fee Code:	59 - Land Disposal Site not paying tipping fee
Direction/Voice:	Passive
Enforcement Id(EID):	228513
Region:	Not reported
Order / Resolution Number:	UNKNOWN
Enforcement Action Type:	Notice of Violation
Effective Date:	03/13/2000
Adoption/Issuance Date:	Not reported
Achieve Date:	Not reported
Termination Date:	03/13/2000
ACL Issuance Date:	Not reported
EPL Issuance Date:	Not reported
Status:	Historical
Title:	Enforcement - 5D160302001
Description:	Notice of Violation on WDR's 92-198.
Program:	LNDISP
Latest Milestone Completion Date:	Not reported
# Of Programs1:	1
Total Assessment Amount:	0
Initial Assessed Amount:	0
Liability $ Amount:	0
Project $ Amount:	0
Liability $ Paid:	0
Project $ Completed:	0
Total $ Paid/Completed Amount:	0

Name:	CORCORAN LANDFILL
Address:	NEVADA AVE 1 M NE OF CORCORAN
City,State,Zip:	CORCORAN, CA 93230
Region:	Not reported
Facility Id:	215695
Agency Name:	Not reported

CORCORAN LANDFILL (Continued) **S104310365**

Place Type:	Waste Management Unit
Place Subtype:	Land fill
Facility Type:	Solid Waste Class III - nonhazardous solid wastes
Agency Type:	Not reported
# Of Agencies:	Not reported
Place Latitude:	36.305788
Place Longitude:	-119.598927
SIC Code 1:	4953
SIC Desc 1:	Refuse Systems
SIC Code 2:	Not reported
SIC Desc 2:	Not reported
SIC Code 3:	Not reported
SIC Desc 3:	Not reported
NAICS Code 1:	Not reported
NAICS Desc 1:	Not reported
NAICS Code 2:	Not reported
NAICS Desc 2:	Not reported
NAICS Code 3:	Not reported
NAICS Desc 3:	Not reported
# Of Places:	1
Source Of Facility:	Enf Action
Design Flow:	Not reported
Threat To Water Quality:	Not reported
Complexity:	Not reported
Pretreatment:	Not reported
Facility Waste Type:	Not reported
Facility Waste Type 2:	Not reported
Facility Waste Type 3:	Not reported
Facility Waste Type 4:	Not reported
Program:	Not reported
Program Category1:	Not reported
Program Category2:	LNDISP
# Of Programs:	Not reported
WDID:	Not reported
Reg Measure Id:	Not reported
Reg Measure Type:	Not reported
Region:	Not reported
Order #:	Not reported
Npdes# CA#:	Not reported
Major-Minor:	Not reported
Npdes Type:	Not reported
Reclamation:	Not reported
Dredge Fill Fee:	Not reported
301H:	Not reported
Application Fee Amt Received:	Not reported
Status:	Not reported
Status Date:	Not reported
Effective Date:	Not reported
Expiration/Review Date:	Not reported
Termination Date:	Not reported
WDR Review - Amend:	Not reported
WDR Review - Revise/Renew:	Not reported
WDR Review - Rescind:	Not reported
WDR Review - No Action Required:	Not reported
WDR Review - Pending:	Not reported
WDR Review - Planned:	Not reported
Status Enrollee:	Not reported

CORCORAN LANDFILL (Continued) **S104310365**

Individual/General:	Not reported
Fee Code:	Not reported
Direction/Voice:	Not reported
Enforcement Id(EID):	248583
Region:	Not reported
Order / Resolution Number:	Not reported
Enforcement Action Type:	Notice of Violation
Effective Date:	06/28/2002
Adoption/Issuance Date:	Not reported
Achieve Date:	Not reported
Termination Date:	12/05/2014
ACL Issuance Date:	Not reported
EPL Issuance Date:	Not reported
Status:	Historical
Title:	Enforcement - 5D160302001
Description:	NOV for violation of EMP Order No. 7 of CAO No. 97-714 for failure to submit an updated engineering feasibility study for corrective action.
Program:	LNDISP
Latest Milestone Completion Date:	Not reported
# Of Programs1:	1
Total Assessment Amount:	0
Initial Assessed Amount:	0
Liability $ Amount:	0
Project $ Amount:	0
Liability $ Paid:	0
Project $ Completed:	0
Total $ Paid/Completed Amount:	0

HIST CORTESE:

edr_fname:	CORCORAN SWDS
edr_fadd1:	NEVADA AVE 1 M NE OF CORC
City,State,Zip:	CORCORAN, CA 93230
Region:	CORTESE
Facility County Code:	16
Reg By:	WBC&D
Reg Id:	5D160302001

WDS:

Name:	CORCORAN LANDFILL
Address:	NEVADA AVE 1 M NE OF CORCORAN
City:	CORCORAN
Facility ID:	Tulare Lake 160302001
Facility Type:	Solid Waste Site-Class III - Landfills for non hazardous solid wastes.
Facility Status:	Active - Any facility with a continuous or seasonal discharge that is under Waste Discharge Requirements.
NPDES Number:	Not reported
Subregion:	0
Facility Telephone:	Not reported
Facility Contact:	MICHAEL R ADAMS
Agency Name:	KINGS WASTE & RECYCLING AUTH
Agency Address:	7803 HANFORD-ARMONA RD
Agency City,St,Zip:	HANFORD 93230
Agency Contact:	MICHAEL R ADAMS
Agency Telephone:	Not reported
Agency Type:	County

CORCORAN LANDFILL (Continued) **S104310365**

SIC Code:	4953
SIC Code 2:	Not reported
Primary Waste Type:	Inert/Influent or Solid Wastes that do not contain soluble pollutants or organic wastes and have little adverse impact on water quality. Such wastes could cause turbidity and siltation. Uncontaminated soils, rubble and concrete are examples of this category.
Primary Waste:	SLDWST
Waste Type2:	N
Waste2:	Solid Wastes
Primary Waste Type:	Inert/Influent or Solid Wastes that do not contain soluble pollutants or organic wastes and have little adverse impact on water quality. Such wastes could cause turbidity and siltation. Uncontaminated soils, rubble and concrete are examples of this category.
Secondary Waste:	Solid Wastes
Secondary Waste Type:	Nonhazardous Solid Wastes/Influent or Solid Wastes that contain nonhazardous putrescible and non putrescible solid, semisolid, and liquid wastes (E.G., garbage, trash, refuse, paper, demolition and construction wastes, manure, vegetable or animal solid and semisolid waste).
Design Flow:	0
Baseline Flow:	0
Reclamation:	No reclamation requirements associated with this facility.
POTW:	The facility is not a POTW.
Treat To Water:	Major Threat to Water Quality. A violation could render unusable a ground water or surface water resource used as a significant drink water supply, require closure of an area used for contact recreation, result in long-term deleterious effects on shell fish spawning or growth areas of aquatic resources, or directly expose the public to toxic substances.
Complexity:	Category B - Any facility having a physical, chemical, or biological waste treatment system (except for septic systems with subsurface disposal), or any Class II or III disposal site, or facilities without treatment systems that are complex, such as marinas with petroleum products, solid wastes, and sewage pump out facilities.

CIWQS:

Name:	CORCORAN LANDFILL
Address:	NEVADA AVE 1 M NE OF CORCORAN
City,State,Zip:	CORCORAN, CA 93230
Agency:	Kings Cnty Waste & Recycling Authority
Agency Address:	7803 Hanford Armona Road, Hanford, CA 93230
Place/Project Type:	Land fill
SIC/NAICS:	4953
Region:	5F
Program:	LFNONOPER, LNDISP
Regulatory Measure Status:	Active
Regulatory Measure Type:	WDR
Order Number:	R5-2014-0164
WDID:	5D160302001
NPDES Number:	Not reported
Adoption Date:	12/05/2014
Effective Date:	12/05/2014
Termination Date:	Not reported
Expiration/Review Date:	12/05/2019
Design Flow:	0
Major/Minor:	Not reported
Complexity:	B

CORCORAN LANDFILL (Continued) **S104310365**

TTWQ: 1
Enforcement Actions within 5 years: 0
Violations within 5 years: 0
Latitude: 36.305788
Longitude: -119.598927

CERS:
Name: CORCORAN LANDFILL
Address: NEVADA AVE 1 M NE OF CORCORAN
City,State,Zip: CORCORAN, CA 93230
Site ID: 108052
CERS ID: L10009897594
CERS Description: Land Disposal Site

Violations:
Site ID: 108052
Site Name: Corcoran Landfill
Violation Date: 10-04-1999
Citation: California Water Code
Violation Description: Not reported
Violation Notes: Detection of tetrachloroethene (PCE) in groundwater.
Violation Division: Water Boards
Violation Program: LNDISP
Violation Source: CIWQS

Site ID: 108052
Site Name: Corcoran Landfill
Violation Date: 06-28-2002
Citation: California Water Code
Violation Description: Not reported
Violation Notes: Violation of EMP Order No. 7 of CAO No. 97-714, which requires that an updated engineering feasibility study for corrective action be submitted within 120 days of Executive Officer concurrence that the nature and extent of the release was determined.
Violation Division: Water Boards
Violation Program: LNDISP
Violation Source: CIWQS

Site ID: 108052
Site Name: Corcoran Landfill
Violation Date: 03-09-2001
Citation: California Water Code
Violation Description: Not reported
Violation Notes: 4th Q. Detection M.R. late for 21 days.
Violation Division: Water Boards
Violation Program: LNDISP
Violation Source: CIWQS

Site ID: 108052
Site Name: Corcoran Landfill
Violation Date: 10-04-1999
Citation: California Water Code
Violation Description: Not reported
Violation Notes: Detection of trichloroethene (TCE) in groundwater.
Violation Division: Water Boards
Violation Program: LNDISP
Violation Source: CIWQS

CORCORAN LANDFILL (Continued) **S104310365**

Site ID: 108052
Site Name: Corcoran Landfill
Violation Date: 09-08-2000
Citation: California Water Code
Violation Description: Not reported
Violation Notes: Report not submitted as of 07/15/2000 - late for 44 days (received on 08/29/2000).
Violation Division: Water Boards
Violation Program: LNDISP
Violation Source: CIWQS

Site ID: 108052
Site Name: Corcoran Landfill
Violation Date: 10-04-1999
Citation: California Water Code
Violation Description: Not reported
Violation Notes: Detection of chloromethane in groundwater.
Violation Division: Water Boards
Violation Program: LNDISP
Violation Source: CIWQS

Site ID: 108052
Site Name: Corcoran Landfill
Violation Date: 10-04-1999
Citation: California Water Code
Violation Description: Not reported
Violation Notes: Detection of 1,2-dichloroethane in groundwater.
Violation Division: Water Boards
Violation Program: LNDISP
Violation Source: CIWQS

Site ID: 108052
Site Name: Corcoran Landfill
Violation Date: 02-11-1997
Citation: California Water Code
Violation Description: Not reported
Violation Notes: DISCHARGER HAS NOT SUMBITTED COMPLETED GROUNDWATER MONITORING PROGRAMS.
Violation Division: Water Boards
Violation Program: LNDISP
Violation Source: CIWQS

Site ID: 108052
Site Name: Corcoran Landfill
Violation Date: 10-04-1999
Citation: California Water Code
Violation Description: Not reported
Violation Notes: Detection of dichloromethane in groundwater.
Violation Division: Water Boards
Violation Program: LNDISP
Violation Source: CIWQS

Site ID: 108052
Site Name: Corcoran Landfill
Violation Date: 10-04-1999
Citation: California Water Code
Violation Description: Not reported

CORCORAN LANDFILL (Continued) **S104310365**

Violation Notes: Detection of dichlorodifluoromethane (Freon 12) in groundwater.
Violation Division: Water Boards
Violation Program: LNDISP
Violation Source: CIWQS

Site ID: 108052
Site Name: Corcoran Landfill
Violation Date: 10-04-1999
Citation: California Water Code
Violation Description: Not reported
Violation Notes: Detection of trichlorotrifluorethane (Freon 113) in groundwater.
Violation Division: Water Boards
Violation Program: LNDISP
Violation Source: CIWQS

Site ID: 108052
Site Name: Corcoran Landfill
Violation Date: 03-07-2000
Citation: California Water Code
Violation Description: Not reported
Violation Notes: Ponding water in areas underlain by refuse.
Violation Division: Water Boards
Violation Program: LNDISP
Violation Source: CIWQS

Evaluation:
Eval General Type: Compliance Sampling Inspection
Eval Date: 12-17-1993
Violations Found: No
Eval Type: RWQCB Type A compliance inspection
Eval Notes: Not reported
Eval Division: Water Boards
Eval Program: LFNONOPER
Eval Source: CIWQS

Eval General Type: Compliance Sampling Inspection
Eval Date: 03-07-2000
Violations Found: No
Eval Type: RWQCB Type A compliance inspection
Eval Notes: Not reported
Eval Division: Water Boards
Eval Program: LFNONOPER
Eval Source: CIWQS

Eval General Type: Compliance Sampling Inspection
Eval Date: 03-16-1998
Violations Found: No
Eval Type: RWQCB Type A compliance inspection
Eval Notes: Not reported
Eval Division: Water Boards
Eval Program: LFNONOPER
Eval Source: CIWQS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 05-03-2011
Violations Found: No
Eval Type: RWQCB Type B compliance inspection

CORCORAN LANDFILL (Continued) **S104310365**

Eval Notes: Not reported
Eval Division: Water Boards
Eval Program: LFNONOPER
Eval Source: CIWQS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 05-11-2006
Violations Found: No
Eval Type: RWQCB Type B compliance inspection
Eval Notes: Not reported
Eval Division: Water Boards
Eval Program: LFNONOPER
Eval Source: CIWQS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 06-03-2015
Violations Found: No
Eval Type: RWQCB Type B compliance inspection
Eval Notes: Not reported
Eval Division: Water Boards
Eval Program: LFNONOPER
Eval Source: CIWQS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 10-25-2004
Violations Found: No
Eval Type: RWQCB Type B compliance inspection
Eval Notes: Not reported
Eval Division: Water Boards
Eval Program: LFNONOPER
Eval Source: CIWQS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 10-30-2013
Violations Found: No
Eval Type: RWQCB Type B compliance inspection
Eval Notes: Not reported
Eval Division: Water Boards
Eval Program: LFNONOPER
Eval Source: CIWQS

Eval General Type: Compliance Sampling Inspection
Eval Date: 12-06-1999
Violations Found: No
Eval Type: RWQCB Type A compliance inspection
Eval Notes: Not reported
Eval Division: Water Boards
Eval Program: LFNONOPER
Eval Source: CIWQS

Eval General Type: Compliance Sampling Inspection
Eval Date: 02-22-1995
Violations Found: No
Eval Type: RWQCB Type A compliance inspection
Eval Notes: Not reported
Eval Division: Water Boards
Eval Program: LFNONOPER

CORCORAN LANDFILL (Continued) **S104310365**

Eval Source: CIWQS

Eval General Type: Compliance Sampling Inspection
Eval Date: 04-16-1996
Violations Found: No
Eval Type: RWQCB Type A compliance inspection
Eval Notes: Not reported
Eval Division: Water Boards
Eval Program: LFNONOPER
Eval Source: CIWQS

Eval General Type: Compliance Sampling Inspection
Eval Date: 04-18-2001
Violations Found: No
Eval Type: RWQCB Type A compliance inspection
Eval Notes: Not reported
Eval Division: Water Boards
Eval Program: LFNONOPER
Eval Source: CIWQS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 04-26-2012
Violations Found: No
Eval Type: RWQCB Type B compliance inspection
Eval Notes: Not reported
Eval Division: Water Boards
Eval Program: LFNONOPER
Eval Source: CIWQS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 05-21-2014
Violations Found: No
Eval Type: RWQCB Type B compliance inspection
Eval Notes: Not reported
Eval Division: Water Boards
Eval Program: LFNONOPER
Eval Source: CIWQS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 10-18-2017
Violations Found: No
Eval Type: RWQCB Type B compliance inspection
Eval Notes: Not reported
Eval Division: Water Boards
Eval Program: LFNONOPER
Eval Source: CIWQS

Eval General Type: Compliance Sampling Inspection
Eval Date: 02-18-2004
Violations Found: No
Eval Type: RWQCB Type A compliance inspection
Eval Notes: Not reported
Eval Division: Water Boards
Eval Program: LFNONOPER
Eval Source: CIWQS

Eval General Type: Compliance Sampling Inspection

CORCORAN LANDFILL (Continued) **S104310365**

Eval Date: 03-11-1997
Violations Found: No
Eval Type: RWQCB Type A compliance inspection
Eval Notes: Not reported
Eval Division: Water Boards
Eval Program: LFNONOPER
Eval Source: CIWQS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 04-09-2007
Violations Found: No
Eval Type: RWQCB Type B compliance inspection
Eval Notes: Not reported
Eval Division: Water Boards
Eval Program: LFNONOPER
Eval Source: CIWQS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 06-07-2010
Violations Found: No
Eval Type: RWQCB Type B compliance inspection
Eval Notes: Not reported
Eval Division: Water Boards
Eval Program: LFNONOPER
Eval Source: CIWQS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 09-24-2019
Violations Found: No
Eval Type: RWQCB Type B compliance inspection
Eval Notes: Not reported
Eval Division: Water Boards
Eval Program: LFNONOPER
Eval Source: CIWQS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 10-20-2015
Violations Found: No
Eval Type: RWQCB Type B compliance inspection
Eval Notes: Not reported
Eval Division: Water Boards
Eval Program: LFNONOPER
Eval Source: CIWQS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 10-26-2005
Violations Found: No
Eval Type: RWQCB Type B compliance inspection
Eval Notes: Not reported
Eval Division: Water Boards
Eval Program: LFNONOPER
Eval Source: CIWQS

Eval General Type: Compliance Sampling Inspection
Eval Date: 11-04-2014
Violations Found: No
Eval Type: RWQCB Type A compliance inspection

CORCORAN LANDFILL (Continued) **S104310365**

Eval Notes: Not reported
Eval Division: Water Boards
Eval Program: LFNONOPER
Eval Source: CIWQS

Eval General Type: Compliance Sampling Inspection
Eval Date: 03-05-1999
Violations Found: No
Eval Type: RWQCB Type A compliance inspection
Eval Notes: Not reported
Eval Division: Water Boards
Eval Program: LFNONOPER
Eval Source: CIWQS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 03-28-2002
Violations Found: No
Eval Type: RWQCB Type B compliance inspection
Eval Notes: Not reported
Eval Division: Water Boards
Eval Program: LFNONOPER
Eval Source: CIWQS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 04-01-2005
Violations Found: No
Eval Type: RWQCB Type B compliance inspection
Eval Notes: Not reported
Eval Division: Water Boards
Eval Program: LFNONOPER
Eval Source: CIWQS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 04-27-2009
Violations Found: No
Eval Type: RWQCB Type B compliance inspection
Eval Notes: Not reported
Eval Division: Water Boards
Eval Program: LFNONOPER
Eval Source: CIWQS

Eval General Type: Compliance Sampling Inspection
Eval Date: 05-02-2003
Violations Found: No
Eval Type: RWQCB Type A compliance inspection
Eval Notes: Not reported
Eval Division: Water Boards
Eval Program: LFNONOPER
Eval Source: CIWQS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 09-14-2016
Violations Found: No
Eval Type: RWQCB Type B compliance inspection
Eval Notes: Not reported
Eval Division: Water Boards
Eval Program: LFNONOPER

CORCORAN LANDFILL (Continued) **S104310365**

Eval Source: CIWQS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 10-10-2018
Violations Found: No
Eval Type: RWQCB Type B compliance inspection
Eval Notes: Not reported
Eval Division: Water Boards
Eval Program: LFNONOPER
Eval Source: CIWQS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 10-30-2012
Violations Found: No
Eval Type: RWQCB Type B compliance inspection
Eval Notes: Not reported
Eval Division: Water Boards
Eval Program: LFNONOPER
Eval Source: CIWQS

Enforcement Action:
Site ID: 108052
Site Name: Corcoran Landfill
Site Address: NEVADA AVE 1 M NE OF CORCORAN
Site City: CORCORAN
Site Zip: 93230
Enf Action Date: 03-13-2000
Enf Action Type: Notice of Violation (Water)
Enf Action Description: Notice of Violation Letter (Informal)
Enf Action Notes: Not reported
Enf Action Division: Water Boards
Enf Action Program: LFNONOPER
Enf Action Source: CIWQS

Site ID: 108052
Site Name: Corcoran Landfill
Site Address: NEVADA AVE 1 M NE OF CORCORAN
Site City: CORCORAN
Site Zip: 93230
Enf Action Date: 06-28-2002
Enf Action Type: Notice of Violation (Water)
Enf Action Description: Notice of Violation Letter (Informal)
Enf Action Notes: Not reported
Enf Action Division: Water Boards
Enf Action Program: LFNONOPER
Enf Action Source: CIWQS

Site ID: 108052
Site Name: Corcoran Landfill
Site Address: NEVADA AVE 1 M NE OF CORCORAN
Site City: CORCORAN
Site Zip: 93230
Enf Action Date: 09-18-1997
Enf Action Type: Clean-up and Abatement Order
Enf Action Description: Clean-up and Abatement Order
Enf Action Notes: Not reported
Enf Action Division: Water Boards

CORCORAN LANDFILL (Continued) **S104310365**

Enf Action Program: LFNONOPER
Enf Action Source: CIWQS

Affiliation:
Affiliation Type Desc: Regional Board Caseworker
Entity Name: KRISTEN GOMES - CENTRAL VALLEY RWQCB (REGION 5F)
Entity Title: Not reported
Affiliation Address: 1685 E. Street
Affiliation City: FRESNO
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: 5594455108

Name: CORCORAN LANDFILL
Address: NEVADA AVE 1 M NE OF CORCORAN
City,State,Zip: CORCORAN, CA 93230
Site ID: 108052
CERS ID: 215695
CERS Description: Land Disposal

Violations:
Site ID: 108052
Site Name: Corcoran Landfill
Violation Date: 10-04-1999
Citation: California Water Code
Violation Description: Not reported
Violation Notes: Detection of tetrachloroethene (PCE) in groundwater.
Violation Division: Water Boards
Violation Program: LNDISP
Violation Source: CIWQS

Site ID: 108052
Site Name: Corcoran Landfill
Violation Date: 06-28-2002
Citation: California Water Code
Violation Description: Not reported
Violation Notes: Violation of EMP Order No. 7 of CAO No. 97-714, which requires that an updated engineering feasibility study for corrective action be submitted within 120 days of Executive Officer concurrence that the nature and extent of the release was determined.
Violation Division: Water Boards
Violation Program: LNDISP
Violation Source: CIWQS

Site ID: 108052
Site Name: Corcoran Landfill
Violation Date: 03-09-2001
Citation: California Water Code
Violation Description: Not reported
Violation Notes: 4th Q. Detection M.R. late for 21 days.
Violation Division: Water Boards
Violation Program: LNDISP
Violation Source: CIWQS

Site ID: 108052

CORCORAN LANDFILL (Continued) **S104310365**

Site Name: Corcoran Landfill
Violation Date: 10-04-1999
Citation: California Water Code
Violation Description: Not reported
Violation Notes: Detection of trichloroethene (TCE) in groundwater.
Violation Division: Water Boards
Violation Program: LNDISP
Violation Source: CIWQS

Site ID: 108052
Site Name: Corcoran Landfill
Violation Date: 09-08-2000
Citation: California Water Code
Violation Description: Not reported
Violation Notes: Report not submitted as of 07/15/2000 - late for 44 days (received on 08/29/2000).
Violation Division: Water Boards
Violation Program: LNDISP
Violation Source: CIWQS

Site ID: 108052
Site Name: Corcoran Landfill
Violation Date: 10-04-1999
Citation: California Water Code
Violation Description: Not reported
Violation Notes: Detection of chloromethane in groundwater.
Violation Division: Water Boards
Violation Program: LNDISP
Violation Source: CIWQS

Site ID: 108052
Site Name: Corcoran Landfill
Violation Date: 10-04-1999
Citation: California Water Code
Violation Description: Not reported
Violation Notes: Detection of 1,2-dichloroethane in groundwater.
Violation Division: Water Boards
Violation Program: LNDISP
Violation Source: CIWQS

Site ID: 108052
Site Name: Corcoran Landfill
Violation Date: 02-11-1997
Citation: California Water Code
Violation Description: Not reported
Violation Notes: DISCHARGER HAS NOT SUMBITTED COMPLETED GROUNDWATER MONITORING PROGRAMS.
Violation Division: Water Boards
Violation Program: LNDISP
Violation Source: CIWQS

Site ID: 108052
Site Name: Corcoran Landfill
Violation Date: 10-04-1999
Citation: California Water Code
Violation Description: Not reported
Violation Notes: Detection of dichloromethane in groundwater.

CORCORAN LANDFILL (Continued) **S104310365**

Violation Division: Water Boards
Violation Program: LNDISP
Violation Source: CIWQS

Site ID: 108052
Site Name: Corcoran Landfill
Violation Date: 10-04-1999
Citation: California Water Code
Violation Description: Not reported
Violation Notes: Detection of dichlorodifluoromethane (Freon 12) in groundwater.
Violation Division: Water Boards
Violation Program: LNDISP
Violation Source: CIWQS

Site ID: 108052
Site Name: Corcoran Landfill
Violation Date: 10-04-1999
Citation: California Water Code
Violation Description: Not reported
Violation Notes: Detection of trichlorotrifluorethane (Freon 113) in groundwater.
Violation Division: Water Boards
Violation Program: LNDISP
Violation Source: CIWQS

Site ID: 108052
Site Name: Corcoran Landfill
Violation Date: 03-07-2000
Citation: California Water Code
Violation Description: Not reported
Violation Notes: Ponding water in areas underlain by refuse.
Violation Division: Water Boards
Violation Program: LNDISP
Violation Source: CIWQS

Evaluation:
Eval General Type: Compliance Sampling Inspection
Eval Date: 12-17-1993
Violations Found: No
Eval Type: RWQCB Type A compliance inspection
Eval Notes: Not reported
Eval Division: Water Boards
Eval Program: LFNONOPER
Eval Source: CIWQS

Eval General Type: Compliance Sampling Inspection
Eval Date: 03-07-2000
Violations Found: No
Eval Type: RWQCB Type A compliance inspection
Eval Notes: Not reported
Eval Division: Water Boards
Eval Program: LFNONOPER
Eval Source: CIWQS

Eval General Type: Compliance Sampling Inspection
Eval Date: 03-16-1998
Violations Found: No
Eval Type: RWQCB Type A compliance inspection

CORCORAN LANDFILL (Continued) **S104310365**

Eval Notes: Not reported
Eval Division: Water Boards
Eval Program: LFNONOPER
Eval Source: CIWQS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 05-03-2011
Violations Found: No
Eval Type: RWQCB Type B compliance inspection
Eval Notes: Not reported
Eval Division: Water Boards
Eval Program: LFNONOPER
Eval Source: CIWQS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 05-11-2006
Violations Found: No
Eval Type: RWQCB Type B compliance inspection
Eval Notes: Not reported
Eval Division: Water Boards
Eval Program: LFNONOPER
Eval Source: CIWQS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 06-03-2015
Violations Found: No
Eval Type: RWQCB Type B compliance inspection
Eval Notes: Not reported
Eval Division: Water Boards
Eval Program: LFNONOPER
Eval Source: CIWQS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 10-25-2004
Violations Found: No
Eval Type: RWQCB Type B compliance inspection
Eval Notes: Not reported
Eval Division: Water Boards
Eval Program: LFNONOPER
Eval Source: CIWQS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 10-30-2013
Violations Found: No
Eval Type: RWQCB Type B compliance inspection
Eval Notes: Not reported
Eval Division: Water Boards
Eval Program: LFNONOPER
Eval Source: CIWQS

Eval General Type: Compliance Sampling Inspection
Eval Date: 12-06-1999
Violations Found: No
Eval Type: RWQCB Type A compliance inspection
Eval Notes: Not reported
Eval Division: Water Boards
Eval Program: LFNONOPER

CORCORAN LANDFILL (Continued) **S104310365**

Eval Source: CIWQS

Eval General Type: Compliance Sampling Inspection
Eval Date: 02-22-1995
Violations Found: No
Eval Type: RWQCB Type A compliance inspection
Eval Notes: Not reported
Eval Division: Water Boards
Eval Program: LFNONOPER
Eval Source: CIWQS

Eval General Type: Compliance Sampling Inspection
Eval Date: 04-16-1996
Violations Found: No
Eval Type: RWQCB Type A compliance inspection
Eval Notes: Not reported
Eval Division: Water Boards
Eval Program: LFNONOPER
Eval Source: CIWQS

Eval General Type: Compliance Sampling Inspection
Eval Date: 04-18-2001
Violations Found: No
Eval Type: RWQCB Type A compliance inspection
Eval Notes: Not reported
Eval Division: Water Boards
Eval Program: LFNONOPER
Eval Source: CIWQS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 04-26-2012
Violations Found: No
Eval Type: RWQCB Type B compliance inspection
Eval Notes: Not reported
Eval Division: Water Boards
Eval Program: LFNONOPER
Eval Source: CIWQS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 05-21-2014
Violations Found: No
Eval Type: RWQCB Type B compliance inspection
Eval Notes: Not reported
Eval Division: Water Boards
Eval Program: LFNONOPER
Eval Source: CIWQS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 10-18-2017
Violations Found: No
Eval Type: RWQCB Type B compliance inspection
Eval Notes: Not reported
Eval Division: Water Boards
Eval Program: LFNONOPER
Eval Source: CIWQS

Eval General Type: Compliance Sampling Inspection

CORCORAN LANDFILL (Continued) **S104310365**

Eval Date: 02-18-2004
Violations Found: No
Eval Type: RWQCB Type A compliance inspection
Eval Notes: Not reported
Eval Division: Water Boards
Eval Program: LFNONOPER
Eval Source: CIWQS

Eval General Type: Compliance Sampling Inspection
Eval Date: 03-11-1997
Violations Found: No
Eval Type: RWQCB Type A compliance inspection
Eval Notes: Not reported
Eval Division: Water Boards
Eval Program: LFNONOPER
Eval Source: CIWQS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 04-09-2007
Violations Found: No
Eval Type: RWQCB Type B compliance inspection
Eval Notes: Not reported
Eval Division: Water Boards
Eval Program: LFNONOPER
Eval Source: CIWQS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 06-07-2010
Violations Found: No
Eval Type: RWQCB Type B compliance inspection
Eval Notes: Not reported
Eval Division: Water Boards
Eval Program: LFNONOPER
Eval Source: CIWQS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 09-24-2019
Violations Found: No
Eval Type: RWQCB Type B compliance inspection
Eval Notes: Not reported
Eval Division: Water Boards
Eval Program: LFNONOPER
Eval Source: CIWQS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 10-20-2015
Violations Found: No
Eval Type: RWQCB Type B compliance inspection
Eval Notes: Not reported
Eval Division: Water Boards
Eval Program: LFNONOPER
Eval Source: CIWQS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 10-26-2005
Violations Found: No
Eval Type: RWQCB Type B compliance inspection

CORCORAN LANDFILL (Continued) **S104310365**

Eval Notes: Not reported
Eval Division: Water Boards
Eval Program: LFNONOPER
Eval Source: CIWQS

Eval General Type: Compliance Sampling Inspection
Eval Date: 11-04-2014
Violations Found: No
Eval Type: RWQCB Type A compliance inspection
Eval Notes: Not reported
Eval Division: Water Boards
Eval Program: LFNONOPER
Eval Source: CIWQS

Eval General Type: Compliance Sampling Inspection
Eval Date: 03-05-1999
Violations Found: No
Eval Type: RWQCB Type A compliance inspection
Eval Notes: Not reported
Eval Division: Water Boards
Eval Program: LFNONOPER
Eval Source: CIWQS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 03-28-2002
Violations Found: No
Eval Type: RWQCB Type B compliance inspection
Eval Notes: Not reported
Eval Division: Water Boards
Eval Program: LFNONOPER
Eval Source: CIWQS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 04-01-2005
Violations Found: No
Eval Type: RWQCB Type B compliance inspection
Eval Notes: Not reported
Eval Division: Water Boards
Eval Program: LFNONOPER
Eval Source: CIWQS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 04-27-2009
Violations Found: No
Eval Type: RWQCB Type B compliance inspection
Eval Notes: Not reported
Eval Division: Water Boards
Eval Program: LFNONOPER
Eval Source: CIWQS

Eval General Type: Compliance Sampling Inspection
Eval Date: 05-02-2003
Violations Found: No
Eval Type: RWQCB Type A compliance inspection
Eval Notes: Not reported
Eval Division: Water Boards
Eval Program: LFNONOPER

CORCORAN LANDFILL (Continued) **S104310365**

Eval Source: CIWQS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 09-14-2016
Violations Found: No
Eval Type: RWQCB Type B compliance inspection
Eval Notes: Not reported
Eval Division: Water Boards
Eval Program: LFNONOPER
Eval Source: CIWQS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 10-10-2018
Violations Found: No
Eval Type: RWQCB Type B compliance inspection
Eval Notes: Not reported
Eval Division: Water Boards
Eval Program: LFNONOPER
Eval Source: CIWQS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 10-30-2012
Violations Found: No
Eval Type: RWQCB Type B compliance inspection
Eval Notes: Not reported
Eval Division: Water Boards
Eval Program: LFNONOPER
Eval Source: CIWQS

Enforcement Action:
Site ID: 108052
Site Name: Corcoran Landfill
Site Address: NEVADA AVE 1 M NE OF CORCORAN
Site City: CORCORAN
Site Zip: 93230
Enf Action Date: 03-13-2000
Enf Action Type: Notice of Violation (Water)
Enf Action Description: Notice of Violation Letter (Informal)
Enf Action Notes: Not reported
Enf Action Division: Water Boards
Enf Action Program: LFNONOPER
Enf Action Source: CIWQS

Site ID: 108052
Site Name: Corcoran Landfill
Site Address: NEVADA AVE 1 M NE OF CORCORAN
Site City: CORCORAN
Site Zip: 93230
Enf Action Date: 06-28-2002
Enf Action Type: Notice of Violation (Water)
Enf Action Description: Notice of Violation Letter (Informal)
Enf Action Notes: Not reported
Enf Action Division: Water Boards
Enf Action Program: LFNONOPER
Enf Action Source: CIWQS

Site ID: 108052

CORCORAN LANDFILL (Continued) **S104310365**

Site Name:	Corcoran Landfill
Site Address:	NEVADA AVE 1 M NE OF CORCORAN
Site City:	CORCORAN
Site Zip:	93230
Enf Action Date:	09-18-1997
Enf Action Type:	Clean-up and Abatement Order
Enf Action Description:	Clean-up and Abatement Order
Enf Action Notes:	Not reported
Enf Action Division:	Water Boards
Enf Action Program:	LFNONOPER
Enf Action Source:	CIWQS

Affiliation:

Affiliation Type Desc:	Regional Board Caseworker
Entity Name:	KRISTEN GOMES - CENTRAL VALLEY RWQCB (REGION 5F)
Entity Title:	Not reported
Affiliation Address:	1685 E. Street
Affiliation City:	FRESNO
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	5594455108

11
NNW
1/2-1
0.901 mi.
4757 ft.

THE RECYCLE DEPOT SCRAP YARD **ENVIROSTOR** **S110761496**
10716 8TH AVENUE **VCP** **N/A**
HANFORD, CA 93230 **CUPA Listings**

Relative:
Higher

Actual:
248 ft.

ENVIROSTOR:

Name:	THE RECYCLE DEPOT SCRAP YARD
Address:	10716 8TH AVENUE
City,State,Zip:	HANFORD, CA 93230
Facility ID:	60002841
Status:	Active
Status Date:	06/01/2019
Site Code:	601792
Site Type:	Voluntary Cleanup
Site Type Detailed:	Voluntary Cleanup
Acres:	19.6
NPL:	NO
Regulatory Agencies:	SMBRP
Lead Agency:	SMBRP
Program Manager:	Thomas Anderson
Supervisor:	Lora Jameson
Division Branch:	Northern California Schools & Santa Susana
Assembly:	Not reported
Senate:	Not reported
Special Program:	Not reported
Restricted Use:	NO
Site Mgmt Req:	NONE SPECIFIED
Funding:	Responsible Party
Latitude:	0
Longitude:	0
APN:	NONE SPECIFIED
Past Use:	NONE SPECIFIED

THE RECYCLE DEPOT SCRAP YARD (Continued) **S110761496**

Potential COC: NONE SPECIFIED
Confirmed COC: NONE SPECIFIED
Potential Description: NONE SPECIFIED
Alias Name: 601792
Alias Type: Project Code (Site Code)
Alias Name: 60002841
Alias Type: Envirostor ID Number

Completed Info:
Completed Area Name: Not reported
Completed Sub Area Name: Not reported
Completed Document Type: Not reported
Completed Date: Not reported
Comments: Not reported

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

VCP:
Name: THE RECYCLE DEPOT SCRAP YARD
Address: 10716 8TH AVENUE
City,State,Zip: HANFORD, CA 93230
Facility ID: 60002841
Site Type: Voluntary Cleanup
Site Type Detail: Voluntary Cleanup
Site Mgmt. Req.: NONE SPECIFIED
Acres: 19.6
National Priorities List: NO
Cleanup Oversight Agencies: SMBRP
Lead Agency: SMBRP
Lead Agency Description: DTSC - Site Cleanup Program
Project Manager: Thomas Anderson
Supervisor: Lora Jameson
Division Branch: Northern California Schools & Santa Susana
Site Code: 601792
Assembly: Not reported
Senate: Not reported
Special Programs Code: Not reported
Status: Active
Status Date: 06/01/2019
Restricted Use: NO
Funding: Responsible Party
Lat/Long: 0 / 0
APN: NONE SPECIFIED
Past Use: NONE SPECIFIED
Potential COC: NONE SPECIFIED
Confirmed COC: NONE SPECIFIED
Potential Description: NONE SPECIFIED
Alias Name: 601792
Alias Type: Project Code (Site Code)

THE RECYCLE DEPOT SCRAP YARD (Continued) **S110761496**

Alias Name: 60002841
Alias Type: Envirostor ID Number

Completed Info:
Completed Area Name: Not reported
Completed Sub Area Name: Not reported
Completed Document Type: Not reported
Completed Date: Not reported
Comments: Not reported

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

CUPA KINGS:
Name: RECYCLE DEPOT
Address: 10716 8TH AVE
City,State,Zip: HANFORD, CA 93230
Region: KING
Facility Id: FA0003452
Status: I
PE: 2212
Mailing Address 1: 8461 AVE 304
Mailing State: CA
Mailing Zip: 93230
Decode of Fstatus: InActive
Mailing Name: JEFF PRINS

Name: RECYCLE DEPOT
Address: 10716 8TH AVE
City,State,Zip: HANFORD, CA 93230
Region: KING
Facility Id: FA0003452
Status: I
PE: 2226
Mailing Address 1: 8461 AVE 304
Mailing State: CA
Mailing Zip: Not reported
Decode of Fstatus: InActive
Mailing Name: JEFF PRINS

Count: 0 records.

ORPHAN SUMMARY

City	EDR ID	Site Name	Site Address	Zip	Database(s)
		NO SITES FOUND			

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

To maintain currency of the following federal and state databases, EDR contacts the appropriate governmental agency on a monthly or quarterly basis, as required.

Number of Days to Update: Provides confirmation that EDR is reporting records that have been updated within 90 days from the date the government agency made the information available to the public.

STANDARD ENVIRONMENTAL RECORDS

Federal NPL site list

NPL: National Priority List

National Priorities List (Superfund). The NPL is a subset of CERCLIS and identifies over 1,200 sites for priority cleanup under the Superfund Program. NPL sites may encompass relatively large areas. As such, EDR provides polygon coverage for over 1,000 NPL site boundaries produced by EPA's Environmental Photographic Interpretation Center (EPIC) and regional EPA offices.

Date of Government Version: 04/27/2020
Date Data Arrived at EDR: 05/06/2020
Date Made Active in Reports: 05/28/2020
Number of Days to Update: 22

Source: EPA
Telephone: N/A
Last EDR Contact: 06/30/2020
Next Scheduled EDR Contact: 10/12/2020
Data Release Frequency: Quarterly

NPL Site Boundaries

Sources:

EPA's Environmental Photographic Interpretation Center (EPIC)
Telephone: 202-564-7333

EPA Region 1
Telephone 617-918-1143

EPA Region 6
Telephone: 214-655-6659

EPA Region 3
Telephone 215-814-5418

EPA Region 7
Telephone: 913-551-7247

EPA Region 4
Telephone 404-562-8033

EPA Region 8
Telephone: 303-312-6774

EPA Region 5
Telephone 312-886-6686

EPA Region 9
Telephone: 415-947-4246

EPA Region 10
Telephone 206-553-8665

Proposed NPL: Proposed National Priority List Sites

A site that has been proposed for listing on the National Priorities List through the issuance of a proposed rule in the Federal Register. EPA then accepts public comments on the site, responds to the comments, and places on the NPL those sites that continue to meet the requirements for listing.

Date of Government Version: 04/27/2020
Date Data Arrived at EDR: 05/06/2020
Date Made Active in Reports: 05/28/2020
Number of Days to Update: 22

Source: EPA
Telephone: N/A
Last EDR Contact: 06/30/2020
Next Scheduled EDR Contact: 10/12/2020
Data Release Frequency: Quarterly

NPL LIENS: Federal Superfund Liens

Federal Superfund Liens. Under the authority granted the USEPA by CERCLA of 1980, the USEPA has the authority to file liens against real property in order to recover remedial action expenditures or when the property owner received notification of potential liability. USEPA compiles a listing of filed notices of Superfund Liens.

Date of Government Version: 10/15/1991
Date Data Arrived at EDR: 02/02/1994
Date Made Active in Reports: 03/30/1994
Number of Days to Update: 56

Source: EPA
Telephone: 202-564-4267
Last EDR Contact: 08/15/2011
Next Scheduled EDR Contact: 11/28/2011
Data Release Frequency: No Update Planned

Federal Delisted NPL site list

Delisted NPL: National Priority List Deletions

The National Oil and Hazardous Substances Pollution Contingency Plan (NCP) establishes the criteria that the EPA uses to delete sites from the NPL. In accordance with 40 CFR 300.425.(e), sites may be deleted from the NPL where no further response is appropriate.

Date of Government Version: 04/27/2020
Date Data Arrived at EDR: 05/06/2020
Date Made Active in Reports: 05/28/2020
Number of Days to Update: 22

Source: EPA
Telephone: N/A
Last EDR Contact: 06/30/2020
Next Scheduled EDR Contact: 10/12/2020
Data Release Frequency: Quarterly

Federal CERCLIS list

FEDERAL FACILITY: Federal Facility Site Information listing

A listing of National Priority List (NPL) and Base Realignment and Closure (BRAC) sites found in the Comprehensive Environmental Response, Compensation and Liability Information System (CERCLIS) Database where EPA Federal Facilities Restoration and Reuse Office is involved in cleanup activities.

Date of Government Version: 04/03/2019
Date Data Arrived at EDR: 04/05/2019
Date Made Active in Reports: 05/14/2019
Number of Days to Update: 39

Source: Environmental Protection Agency
Telephone: 703-603-8704
Last EDR Contact: 04/03/2020
Next Scheduled EDR Contact: 07/13/2020
Data Release Frequency: Varies

SEMS: Superfund Enterprise Management System

SEMS (Superfund Enterprise Management System) tracks hazardous waste sites, potentially hazardous waste sites, and remedial activities performed in support of EPA's Superfund Program across the United States. The list was formerly know as CERCLIS, renamed to SEMS by the EPA in 2015. The list contains data on potentially hazardous waste sites that have been reported to the USEPA by states, municipalities, private companies and private persons, pursuant to Section 103 of the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA). This dataset also contains sites which are either proposed to or on the National Priorities List (NPL) and the sites which are in the screening and assessment phase for possible inclusion on the NPL.

Date of Government Version: 04/27/2020
Date Data Arrived at EDR: 05/06/2020
Date Made Active in Reports: 05/28/2020
Number of Days to Update: 22

Source: EPA
Telephone: 800-424-9346
Last EDR Contact: 06/30/2020
Next Scheduled EDR Contact: 07/27/2020
Data Release Frequency: Quarterly

Federal CERCLIS NFRAP site list

SEMS-ARCHIVE: Superfund Enterprise Management System Archive

SEMS-ARCHIVE (Superfund Enterprise Management System Archive) tracks sites that have no further interest under the Federal Superfund Program based on available information. The list was formerly known as the CERCLIS-NFRAP, renamed to SEMS ARCHIVE by the EPA in 2015. EPA may perform a minimal level of assessment work at a site while it is archived if site conditions change and/or new information becomes available. Archived sites have been removed and archived from the inventory of SEMS sites. Archived status indicates that, to the best of EPA's knowledge, assessment at a site has been completed and that EPA has determined no further steps will be taken to list the site on the National Priorities List (NPL), unless information indicates this decision was not appropriate or other considerations require a recommendation for listing at a later time. The decision does not necessarily mean that there is no hazard associated with a given site; it only means that. based upon available information, the location is not judged to be potential NPL site.

Date of Government Version: 04/27/2020
Date Data Arrived at EDR: 05/06/2020
Date Made Active in Reports: 05/28/2020
Number of Days to Update: 22

Source: EPA
Telephone: 800-424-9346
Last EDR Contact: 06/30/2020
Next Scheduled EDR Contact: 07/27/2020
Data Release Frequency: Quarterly

Federal RCRA CORRACTS facilities list

CORRACTS: Corrective Action Report

CORRACTS identifies hazardous waste handlers with RCRA corrective action activity.

Date of Government Version: 03/23/2020
Date Data Arrived at EDR: 03/25/2020
Date Made Active in Reports: 05/21/2020
Number of Days to Update: 57

Source: EPA
Telephone: 800-424-9346
Last EDR Contact: 06/22/2020
Next Scheduled EDR Contact: 10/05/2020
Data Release Frequency: Quarterly

Federal RCRA non-CORRACTS TSD facilities list

RCRA-TSDF: RCRA - Treatment, Storage and Disposal

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Transporters are individuals or entities that move hazardous waste from the generator offsite to a facility that can recycle, treat, store, or dispose of the waste. TSDFs treat, store, or dispose of the waste.

Date of Government Version: 03/23/2020
Date Data Arrived at EDR: 03/25/2020
Date Made Active in Reports: 05/21/2020
Number of Days to Update: 57

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 06/22/2020
Next Scheduled EDR Contact: 10/05/2020
Data Release Frequency: Quarterly

Federal RCRA generators list

RCRA-LQG: RCRA - Large Quantity Generators

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

Date of Government Version: 03/23/2020
Date Data Arrived at EDR: 03/25/2020
Date Made Active in Reports: 05/21/2020
Number of Days to Update: 57

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 06/22/2020
Next Scheduled EDR Contact: 10/05/2020
Data Release Frequency: Quarterly

RCRA-SQG: RCRA - Small Quantity Generators

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

Date of Government Version: 03/23/2020
Date Data Arrived at EDR: 03/25/2020
Date Made Active in Reports: 05/21/2020
Number of Days to Update: 57

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 06/22/2020
Next Scheduled EDR Contact: 10/05/2020
Data Release Frequency: Quarterly

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

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

Date of Government Version: 03/23/2020
Date Data Arrived at EDR: 03/25/2020
Date Made Active in Reports: 05/21/2020
Number of Days to Update: 57

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 06/22/2020
Next Scheduled EDR Contact: 10/05/2020
Data Release Frequency: Quarterly

Federal institutional controls / engineering controls registries

LUCIS: Land Use Control Information System

LUCIS contains records of land use control information pertaining to the former Navy Base Realignment and Closure properties.

Date of Government Version: 05/15/2020
Date Data Arrived at EDR: 05/19/2020
Date Made Active in Reports: 06/18/2020
Number of Days to Update: 30

Source: Department of the Navy
Telephone: 843-820-7326
Last EDR Contact: 05/14/2020
Next Scheduled EDR Contact: 08/24/2020
Data Release Frequency: Varies

US ENG CONTROLS: Engineering Controls Sites List

A listing of sites with engineering controls in place. Engineering controls include various forms of caps, building foundations, liners, and treatment methods to create pathway elimination for regulated substances to enter environmental media or effect human health.

Date of Government Version: 02/13/2020
Date Data Arrived at EDR: 02/20/2020
Date Made Active in Reports: 05/15/2020
Number of Days to Update: 85

Source: Environmental Protection Agency
Telephone: 703-603-0695
Last EDR Contact: 05/15/2020
Next Scheduled EDR Contact: 09/07/2020
Data Release Frequency: Varies

US INST CONTROLS: Institutional Controls Sites List

A listing of sites with institutional controls in place. Institutional controls include administrative measures, such as groundwater use restrictions, construction restrictions, property use restrictions, and post remediation care requirements intended to prevent exposure to contaminants remaining on site. Deed restrictions are generally required as part of the institutional controls.

Date of Government Version: 02/13/2020
Date Data Arrived at EDR: 02/20/2020
Date Made Active in Reports: 05/15/2020
Number of Days to Update: 85

Source: Environmental Protection Agency
Telephone: 703-603-0695
Last EDR Contact: 05/15/2020
Next Scheduled EDR Contact: 09/07/2020
Data Release Frequency: Varies

Federal ERNS list

ERNS: Emergency Response Notification System

Emergency Response Notification System. ERNS records and stores information on reported releases of oil and hazardous substances.

Date of Government Version: 03/22/2020
Date Data Arrived at EDR: 03/24/2020
Date Made Active in Reports: 06/18/2020
Number of Days to Update: 86

Source: National Response Center, United States Coast Guard
Telephone: 202-267-2180
Last EDR Contact: 06/22/2020
Next Scheduled EDR Contact: 10/05/2020
Data Release Frequency: Quarterly

State- and tribal - equivalent NPL

RESPONSE: State Response Sites

Identifies confirmed release sites where DTSC is involved in remediation, either in a lead or oversight capacity. These confirmed release sites are generally high-priority and high potential risk.

Date of Government Version: 01/27/2020
Date Data Arrived at EDR: 01/28/2020
Date Made Active in Reports: 04/09/2020
Number of Days to Update: 72

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 04/28/2020
Next Scheduled EDR Contact: 08/10/2020
Data Release Frequency: Quarterly

State- and tribal - equivalent CERCLIS

ENVIROSTOR: EnviroStor Database

The Department of Toxic Substances Control's (DTSC's) Site Mitigation and Brownfields Reuse Program's (SMBRP's) EnviroStor database identifes sites that have known contamination or sites for which there may be reasons to investigate further. The database includes the following site types: Federal Superfund sites (National Priorities List (NPL)); State Response, including Military Facilities and State Superfund; Voluntary Cleanup; and School sites. EnviroStor provides similar information to the information that was available in CalSites, and provides additional site information, including, but not limited to, identification of formerly-contaminated properties that have been released for reuse, properties where environmental deed restrictions have been recorded to prevent inappropriate land uses, and risk characterization information that is used to assess potential impacts to public health and the environment at contaminated sites.

Date of Government Version: 01/27/2020
Date Data Arrived at EDR: 01/28/2020
Date Made Active in Reports: 04/09/2020
Number of Days to Update: 72

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 04/28/2020
Next Scheduled EDR Contact: 08/10/2020
Data Release Frequency: Quarterly

State and tribal landfill and/or solid waste disposal site lists

SWF/LF (SWIS): Solid Waste Information System

Active, Closed and Inactive Landfills. SWF/LF records typically contain an inve ntory of solid waste disposal facilities or landfills. These may be active or i nactive facilities or open dumps that failed to meet RCRA Section 4004 criteria for solid waste landfills or disposal sites.

Date of Government Version: 02/10/2020
Date Data Arrived at EDR: 02/11/2020
Date Made Active in Reports: 04/20/2020
Number of Days to Update: 69

Source: Department of Resources Recycling and Recovery
Telephone: 916-341-6320
Last EDR Contact: 05/12/2020
Next Scheduled EDR Contact: 08/24/2020
Data Release Frequency: Quarterly

State and tribal leaking storage tank lists

LUST REG 7: Leaking Underground Storage Tank Case Listing
Leaking Underground Storage Tank locations. Imperial, Riverside, San Diego, Santa Barbara counties.

Date of Government Version: 02/26/2004
Date Data Arrived at EDR: 02/26/2004
Date Made Active in Reports: 03/24/2004
Number of Days to Update: 27

Source: California Regional Water Quality Control Board Colorado River Basin Region (7)
Telephone: 760-776-8943
Last EDR Contact: 08/01/2011
Next Scheduled EDR Contact: 11/14/2011
Data Release Frequency: No Update Planned

LUST REG 3: Leaking Underground Storage Tank Database
Leaking Underground Storage Tank locations. Monterey, San Benito, San Luis Obispo, Santa Barbara, Santa Cruz counties.

Date of Government Version: 05/19/2003
Date Data Arrived at EDR: 05/19/2003
Date Made Active in Reports: 06/02/2003
Number of Days to Update: 14

Source: California Regional Water Quality Control Board Central Coast Region (3)
Telephone: 805-542-4786
Last EDR Contact: 07/18/2011
Next Scheduled EDR Contact: 10/31/2011
Data Release Frequency: No Update Planned

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

Date of Government Version: 05/13/2020
Date Data Arrived at EDR: 05/13/2020
Date Made Active in Reports: 05/15/2020
Number of Days to Update: 2

Source: State Water Resources Control Board
Telephone: see region list
Last EDR Contact: 06/09/2020
Next Scheduled EDR Contact: 09/21/2020
Data Release Frequency: Quarterly

LUST REG 1: Active Toxic Site Investigation
Del Norte, Humboldt, Lake, Mendocino, Modoc, Siskiyou, Sonoma, Trinity counties. For more current information, please refer to the State Water Resources Control Board's LUST database.

Date of Government Version: 02/01/2001
Date Data Arrived at EDR: 02/28/2001
Date Made Active in Reports: 03/29/2001
Number of Days to Update: 29

Source: California Regional Water Quality Control Board North Coast (1)
Telephone: 707-570-3769
Last EDR Contact: 08/01/2011
Next Scheduled EDR Contact: 11/14/2011
Data Release Frequency: No Update Planned

LUST REG 9: Leaking Underground Storage Tank Report
Orange, Riverside, San Diego counties. For more current information, please refer to the State Water Resources Control Board's LUST database.

Date of Government Version: 03/01/2001
Date Data Arrived at EDR: 04/23/2001
Date Made Active in Reports: 05/21/2001
Number of Days to Update: 28

Source: California Regional Water Quality Control Board San Diego Region (9)
Telephone: 858-637-5595
Last EDR Contact: 09/26/2011
Next Scheduled EDR Contact: 01/09/2012
Data Release Frequency: No Update Planned

LUST REG 8: Leaking Underground Storage Tanks
California Regional Water Quality Control Board Santa Ana Region (8). For more current information, please refer to the State Water Resources Control Board's LUST database.

Date of Government Version: 02/14/2005
Date Data Arrived at EDR: 02/15/2005
Date Made Active in Reports: 03/28/2005
Number of Days to Update: 41

Source: California Regional Water Quality Control Board Santa Ana Region (8)
Telephone: 909-782-4496
Last EDR Contact: 08/15/2011
Next Scheduled EDR Contact: 11/28/2011
Data Release Frequency: No Update Planned

LUST REG 2: Fuel Leak List
Leaking Underground Storage Tank locations. Alameda, Contra Costa, Marin, Napa, San Francisco, San Mateo, Santa Clara, Solano, Sonoma counties.

Date of Government Version: 09/30/2004
Date Data Arrived at EDR: 10/20/2004
Date Made Active in Reports: 11/19/2004
Number of Days to Update: 30

Source: California Regional Water Quality Control Board San Francisco Bay Region (2)
Telephone: 510-622-2433
Last EDR Contact: 09/19/2011
Next Scheduled EDR Contact: 01/02/2012
Data Release Frequency: No Update Planned

LUST REG 5: Leaking Underground Storage Tank Database

Leaking Underground Storage Tank locations. Alameda, Alpine, Amador, Butte, Colusa, Contra Costa, Calveras, El Dorado, Fresno, Glenn, Kern, Kings, Lake, Lassen, Madera, Mariposa, Merced, Modoc, Napa, Nevada, Placer, Plumas, Sacramento, San Joaquin, Shasta, Solano, Stanislaus, Sutter, Tehama, Tulare, Tuolumne, Yolo, Yuba counties.

Date of Government Version: 07/01/2008
Date Data Arrived at EDR: 07/22/2008
Date Made Active in Reports: 07/31/2008
Number of Days to Update: 9

Source: California Regional Water Quality Control Board Central Valley Region (5)
Telephone: 916-464-4834
Last EDR Contact: 07/01/2011
Next Scheduled EDR Contact: 10/17/2011
Data Release Frequency: No Update Planned

LUST REG 6L: Leaking Underground Storage Tank Case Listing

For more current information, please refer to the State Water Resources Control Board's LUST database.

Date of Government Version: 09/09/2003
Date Data Arrived at EDR: 09/10/2003
Date Made Active in Reports: 10/07/2003
Number of Days to Update: 27

Source: California Regional Water Quality Control Board Lahontan Region (6)
Telephone: 530-542-5572
Last EDR Contact: 09/12/2011
Next Scheduled EDR Contact: 12/26/2011
Data Release Frequency: No Update Planned

LUST REG 6V: Leaking Underground Storage Tank Case Listing

Leaking Underground Storage Tank locations. Inyo, Kern, Los Angeles, Mono, San Bernardino counties.

Date of Government Version: 06/07/2005
Date Data Arrived at EDR: 06/07/2005
Date Made Active in Reports: 06/29/2005
Number of Days to Update: 22

Source: California Regional Water Quality Control Board Victorville Branch Office (6)
Telephone: 760-241-7365
Last EDR Contact: 09/12/2011
Next Scheduled EDR Contact: 12/26/2011
Data Release Frequency: No Update Planned

LUST REG 4: Underground Storage Tank Leak List

Los Angeles, Ventura counties. For more current information, please refer to the State Water Resources Control Board's LUST database.

Date of Government Version: 09/07/2004
Date Data Arrived at EDR: 09/07/2004
Date Made Active in Reports: 10/12/2004
Number of Days to Update: 35

Source: California Regional Water Quality Control Board Los Angeles Region (4)
Telephone: 213-576-6710
Last EDR Contact: 09/06/2011
Next Scheduled EDR Contact: 12/19/2011
Data Release Frequency: No Update Planned

INDIAN LUST R1: Leaking Underground Storage Tanks on Indian Land

A listing of leaking underground storage tank locations on Indian Land.

Date of Government Version: 10/01/2019
Date Data Arrived at EDR: 12/04/2019
Date Made Active in Reports: 02/10/2020
Number of Days to Update: 68

Source: EPA Region 1
Telephone: 617-918-1313
Last EDR Contact: 05/20/2020
Next Scheduled EDR Contact: 08/03/2020
Data Release Frequency: Varies

INDIAN LUST R6: Leaking Underground Storage Tanks on Indian Land

LUSTs on Indian land in New Mexico and Oklahoma.

Date of Government Version: 10/02/2019
Date Data Arrived at EDR: 12/04/2019
Date Made Active in Reports: 02/10/2020
Number of Days to Update: 68

Source: EPA Region 6
Telephone: 214-665-6597
Last EDR Contact: 05/20/2020
Next Scheduled EDR Contact: 08/03/2020
Data Release Frequency: Varies

INDIAN LUST R5: Leaking Underground Storage Tanks on Indian Land
Leaking underground storage tanks located on Indian Land in Michigan, Minnesota and Wisconsin.

Date of Government Version: 10/01/2019
Date Data Arrived at EDR: 12/04/2019
Date Made Active in Reports: 02/10/2020
Number of Days to Update: 68
Source: EPA, Region 5
Telephone: 312-886-7439
Last EDR Contact: 05/20/2020
Next Scheduled EDR Contact: 08/03/2020
Data Release Frequency: Varies

INDIAN LUST R7: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Iowa, Kansas, and Nebraska

Date of Government Version: 10/15/2019
Date Data Arrived at EDR: 12/17/2019
Date Made Active in Reports: 02/10/2020
Number of Days to Update: 55
Source: EPA Region 7
Telephone: 913-551-7003
Last EDR Contact: 05/20/2020
Next Scheduled EDR Contact: 08/03/2020
Data Release Frequency: Varies

INDIAN LUST R4: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Florida, Mississippi and North Carolina.

Date of Government Version: 10/10/2019
Date Data Arrived at EDR: 12/05/2019
Date Made Active in Reports: 02/10/2020
Number of Days to Update: 67
Source: EPA Region 4
Telephone: 404-562-8677
Last EDR Contact: 05/20/2020
Next Scheduled EDR Contact: 08/03/2020
Data Release Frequency: Varies

INDIAN LUST R10: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Alaska, Idaho, Oregon and Washington.

Date of Government Version: 10/11/2019
Date Data Arrived at EDR: 12/04/2019
Date Made Active in Reports: 02/10/2020
Number of Days to Update: 68
Source: EPA Region 10
Telephone: 206-553-2857
Last EDR Contact: 05/20/2020
Next Scheduled EDR Contact: 08/03/2020
Data Release Frequency: Varies

INDIAN LUST R9: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Arizona, California, New Mexico and Nevada

Date of Government Version: 10/04/2019
Date Data Arrived at EDR: 12/04/2019
Date Made Active in Reports: 02/27/2020
Number of Days to Update: 85
Source: Environmental Protection Agency
Telephone: 415-972-3372
Last EDR Contact: 05/20/2020
Next Scheduled EDR Contact: 08/03/2020
Data Release Frequency: Varies

INDIAN LUST R8: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Colorado, Montana, North Dakota, South Dakota, Utah and Wyoming.

Date of Government Version: 10/03/2019
Date Data Arrived at EDR: 12/04/2019
Date Made Active in Reports: 02/14/2020
Number of Days to Update: 72
Source: EPA Region 8
Telephone: 303-312-6271
Last EDR Contact: 05/20/2020
Next Scheduled EDR Contact: 08/03/2020
Data Release Frequency: Varies

CPS-SLIC: Statewide SLIC Cases (GEOTRACKER)
Cleanup Program Sites (CPS; also known as Site Cleanups [SC] and formerly known as Spills, Leaks, Investigations, and Cleanups [SLIC] sites) included in GeoTracker. GeoTracker is the Water Boards data management system for sites that impact, or have the potential to impact, water quality in California, with emphasis on groundwater.

Date of Government Version: 05/13/2020
Date Data Arrived at EDR: 05/13/2020
Date Made Active in Reports: 05/14/2020
Number of Days to Update: 1
Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 06/09/2020
Next Scheduled EDR Contact: 09/21/2020
Data Release Frequency: Varies

SLIC REG 1: Active Toxic Site Investigations

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 04/03/2003
Date Data Arrived at EDR: 04/07/2003
Date Made Active in Reports: 04/25/2003
Number of Days to Update: 18

Source: California Regional Water Quality Control Board, North Coast Region (1)
Telephone: 707-576-2220
Last EDR Contact: 08/01/2011
Next Scheduled EDR Contact: 11/14/2011
Data Release Frequency: No Update Planned

SLIC REG 2: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 09/30/2004
Date Data Arrived at EDR: 10/20/2004
Date Made Active in Reports: 11/19/2004
Number of Days to Update: 30

Source: Regional Water Quality Control Board San Francisco Bay Region (2)
Telephone: 510-286-0457
Last EDR Contact: 09/19/2011
Next Scheduled EDR Contact: 01/02/2012
Data Release Frequency: No Update Planned

SLIC REG 3: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 05/18/2006
Date Data Arrived at EDR: 05/18/2006
Date Made Active in Reports: 06/15/2006
Number of Days to Update: 28

Source: California Regional Water Quality Control Board Central Coast Region (3)
Telephone: 805-549-3147
Last EDR Contact: 07/18/2011
Next Scheduled EDR Contact: 10/31/2011
Data Release Frequency: No Update Planned

SLIC REG 4: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 11/17/2004
Date Data Arrived at EDR: 11/18/2004
Date Made Active in Reports: 01/04/2005
Number of Days to Update: 47

Source: Region Water Quality Control Board Los Angeles Region (4)
Telephone: 213-576-6600
Last EDR Contact: 07/01/2011
Next Scheduled EDR Contact: 10/17/2011
Data Release Frequency: No Update Planned

SLIC REG 5: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 04/01/2005
Date Data Arrived at EDR: 04/05/2005
Date Made Active in Reports: 04/21/2005
Number of Days to Update: 16

Source: Regional Water Quality Control Board Central Valley Region (5)
Telephone: 916-464-3291
Last EDR Contact: 09/12/2011
Next Scheduled EDR Contact: 12/26/2011
Data Release Frequency: No Update Planned

SLIC REG 6V: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 05/24/2005
Date Data Arrived at EDR: 05/25/2005
Date Made Active in Reports: 06/16/2005
Number of Days to Update: 22

Source: Regional Water Quality Control Board, Victorville Branch
Telephone: 619-241-6583
Last EDR Contact: 08/15/2011
Next Scheduled EDR Contact: 11/28/2011
Data Release Frequency: No Update Planned

SLIC REG 6L: SLIC Sites
The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 09/07/2004
Date Data Arrived at EDR: 09/07/2004
Date Made Active in Reports: 10/12/2004
Number of Days to Update: 35
Source: California Regional Water Quality Control Board, Lahontan Region
Telephone: 530-542-5574
Last EDR Contact: 08/15/2011
Next Scheduled EDR Contact: 11/28/2011
Data Release Frequency: No Update Planned

SLIC REG 7: SLIC List
The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 11/24/2004
Date Data Arrived at EDR: 11/29/2004
Date Made Active in Reports: 01/04/2005
Number of Days to Update: 36
Source: California Regional Quality Control Board, Colorado River Basin Region
Telephone: 760-346-7491
Last EDR Contact: 08/01/2011
Next Scheduled EDR Contact: 11/14/2011
Data Release Frequency: No Update Planned

SLIC REG 8: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing
The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 04/03/2008
Date Data Arrived at EDR: 04/03/2008
Date Made Active in Reports: 04/14/2008
Number of Days to Update: 11
Source: California Region Water Quality Control Board Santa Ana Region (8)
Telephone: 951-782-3298
Last EDR Contact: 09/12/2011
Next Scheduled EDR Contact: 12/26/2011
Data Release Frequency: No Update Planned

SLIC REG 9: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing
The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 09/10/2007
Date Data Arrived at EDR: 09/11/2007
Date Made Active in Reports: 09/28/2007
Number of Days to Update: 17
Source: California Regional Water Quality Control Board San Diego Region (9)
Telephone: 858-467-2980
Last EDR Contact: 08/08/2011
Next Scheduled EDR Contact: 11/21/2011
Data Release Frequency: No Update Planned

State and tribal registered storage tank lists

FEMA UST: Underground Storage Tank Listing
A listing of all FEMA owned underground storage tanks.

Date of Government Version: 02/01/2020
Date Data Arrived at EDR: 03/19/2020
Date Made Active in Reports: 06/09/2020
Number of Days to Update: 82
Source: FEMA
Telephone: 202-646-5797
Last EDR Contact: 03/19/2020
Next Scheduled EDR Contact: 07/20/2020
Data Release Frequency: Varies

UST: Active UST Facilities
Active UST facilities gathered from the local regulatory agencies

Date of Government Version: 03/09/2020
Date Data Arrived at EDR: 03/10/2020
Date Made Active in Reports: 05/20/2020
Number of Days to Update: 71
Source: SWRCB
Telephone: 916-341-5851
Last EDR Contact: 06/09/2020
Next Scheduled EDR Contact: 09/21/2020
Data Release Frequency: Semi-Annually

MILITARY UST SITES: Military UST Sites (GEOTRACKER)
Military ust sites

Date of Government Version: 05/13/2020
Date Data Arrived at EDR: 05/13/2020
Date Made Active in Reports: 05/15/2020
Number of Days to Update: 2

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 06/09/2020
Next Scheduled EDR Contact: 09/21/2020
Data Release Frequency: Varies

UST CLOSURE: Proposed Closure of Underground Storage Tank (UST) Cases
UST cases that are being considered for closure by either the State Water Resources Control Board or the Executive Director have been posted for a 60-day public comment period. UST Case Closures being proposed for consideration by the State Water Resources Control Board. These are primarily UST cases that meet closure criteria under the decisional framework in State Water Board Resolution No. 92-49 and other Board orders. UST Case Closures proposed for consideration by the Executive Director pursuant to State Water Board Resolution No. 2012-0061. These are cases that meet the criteria of the Low-Threat UST Case Closure Policy. UST Case Closure Review Denials and Approved Orders.

Date of Government Version: 03/09/2020
Date Data Arrived at EDR: 03/11/2020
Date Made Active in Reports: 05/26/2020
Number of Days to Update: 76

Source: State Water Resources Control Board
Telephone: 916-327-7844
Last EDR Contact: 06/09/2020
Next Scheduled EDR Contact: 09/21/2020
Data Release Frequency: Varies

AST: Aboveground Petroleum Storage Tank Facilities
A listing of aboveground storage tank petroleum storage tank locations.

Date of Government Version: 07/06/2016
Date Data Arrived at EDR: 07/12/2016
Date Made Active in Reports: 09/19/2016
Number of Days to Update: 69

Source: California Environmental Protection Agency
Telephone: 916-327-5092
Last EDR Contact: 06/10/2020
Next Scheduled EDR Contact: 09/28/2020
Data Release Frequency: Varies

INDIAN UST R8: Underground Storage Tanks on Indian Land
The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 8 (Colorado, Montana, North Dakota, South Dakota, Utah, Wyoming and 27 Tribal Nations).

Date of Government Version: 10/03/2019
Date Data Arrived at EDR: 12/04/2019
Date Made Active in Reports: 02/14/2020
Number of Days to Update: 72

Source: EPA Region 8
Telephone: 303-312-6137
Last EDR Contact: 05/20/2020
Next Scheduled EDR Contact: 08/03/2020
Data Release Frequency: Varies

INDIAN UST R6: Underground Storage Tanks on Indian Land
The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 6 (Louisiana, Arkansas, Oklahoma, New Mexico, Texas and 65 Tribes).

Date of Government Version: 10/02/2019
Date Data Arrived at EDR: 12/04/2019
Date Made Active in Reports: 02/10/2020
Number of Days to Update: 68

Source: EPA Region 6
Telephone: 214-665-7591
Last EDR Contact: 05/20/2020
Next Scheduled EDR Contact: 08/03/2020
Data Release Frequency: Varies

INDIAN UST R7: Underground Storage Tanks on Indian Land
The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 7 (Iowa, Kansas, Missouri, Nebraska, and 9 Tribal Nations).

Date of Government Version: 10/11/2019
Date Data Arrived at EDR: 12/04/2019
Date Made Active in Reports: 02/10/2020
Number of Days to Update: 68

Source: EPA Region 7
Telephone: 913-551-7003
Last EDR Contact: 05/20/2020
Next Scheduled EDR Contact: 08/03/2020
Data Release Frequency: Varies

INDIAN UST R10: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 10 (Alaska, Idaho, Oregon, Washington, and Tribal Nations).

Date of Government Version: 10/11/2019
Date Data Arrived at EDR: 12/04/2019
Date Made Active in Reports: 02/10/2020
Number of Days to Update: 68

Source: EPA Region 10
Telephone: 206-553-2857
Last EDR Contact: 05/20/2020
Next Scheduled EDR Contact: 08/03/2020
Data Release Frequency: Varies

INDIAN UST R5: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 5 (Michigan, Minnesota and Wisconsin and Tribal Nations).

Date of Government Version: 10/01/2019
Date Data Arrived at EDR: 12/04/2019
Date Made Active in Reports: 02/10/2020
Number of Days to Update: 68

Source: EPA Region 5
Telephone: 312-886-6136
Last EDR Contact: 05/20/2020
Next Scheduled EDR Contact: 08/03/2020
Data Release Frequency: Varies

INDIAN UST R4: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 4 (Alabama, Florida, Georgia, Kentucky, Mississippi, North Carolina, South Carolina, Tennessee and Tribal Nations)

Date of Government Version: 10/10/2019
Date Data Arrived at EDR: 12/05/2019
Date Made Active in Reports: 02/10/2020
Number of Days to Update: 67

Source: EPA Region 4
Telephone: 404-562-9424
Last EDR Contact: 05/20/2020
Next Scheduled EDR Contact: 08/03/2020
Data Release Frequency: Varies

INDIAN UST R9: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 9 (Arizona, California, Hawaii, Nevada, the Pacific Islands, and Tribal Nations).

Date of Government Version: 10/04/2019
Date Data Arrived at EDR: 12/04/2019
Date Made Active in Reports: 02/27/2020
Number of Days to Update: 85

Source: EPA Region 9
Telephone: 415-972-3368
Last EDR Contact: 05/20/2020
Next Scheduled EDR Contact: 08/03/2020
Data Release Frequency: Varies

INDIAN UST R1: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 1 (Connecticut, Maine, Massachusetts, New Hampshire, Rhode Island, Vermont and ten Tribal Nations).

Date of Government Version: 10/01/2019
Date Data Arrived at EDR: 12/04/2019
Date Made Active in Reports: 02/10/2020
Number of Days to Update: 68

Source: EPA, Region 1
Telephone: 617-918-1313
Last EDR Contact: 05/20/2020
Next Scheduled EDR Contact: 08/03/2020
Data Release Frequency: Varies

State and tribal voluntary cleanup sites

INDIAN VCP R7: Voluntary Cleanup Priority Lisitng

A listing of voluntary cleanup priority sites located on Indian Land located in Region 7.

Date of Government Version: 03/20/2008
Date Data Arrived at EDR: 04/22/2008
Date Made Active in Reports: 05/19/2008
Number of Days to Update: 27

Source: EPA, Region 7
Telephone: 913-551-7365
Last EDR Contact: 04/20/2009
Next Scheduled EDR Contact: 07/20/2009
Data Release Frequency: Varies

VCP: Voluntary Cleanup Program Properties

Contains low threat level properties with either confirmed or unconfirmed releases and the project proponents have request that DTSC oversee investigation and/or cleanup activities and have agreed to provide coverage for DTSC's costs.

Date of Government Version: 01/27/2020
Date Data Arrived at EDR: 01/28/2020
Date Made Active in Reports: 04/09/2020
Number of Days to Update: 72

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 04/28/2020
Next Scheduled EDR Contact: 08/10/2020
Data Release Frequency: Quarterly

INDIAN VCP R1: Voluntary Cleanup Priority Listing

A listing of voluntary cleanup priority sites located on Indian Land located in Region 1.

Date of Government Version: 07/27/2015
Date Data Arrived at EDR: 09/29/2015
Date Made Active in Reports: 02/18/2016
Number of Days to Update: 142

Source: EPA, Region 1
Telephone: 617-918-1102
Last EDR Contact: 06/17/2020
Next Scheduled EDR Contact: 10/05/2020
Data Release Frequency: Varies

State and tribal Brownfields sites

BROWNFIELDS: Considered Brownfieds Sites Listing

A listing of sites the SWRCB considers to be Brownfields since these are sites have come to them through the MOA Process.

Date of Government Version: 03/23/2020
Date Data Arrived at EDR: 03/24/2020
Date Made Active in Reports: 06/05/2020
Number of Days to Update: 73

Source: State Water Resources Control Board
Telephone: 916-323-7905
Last EDR Contact: 06/22/2020
Next Scheduled EDR Contact: 10/05/2020
Data Release Frequency: Quarterly

ADDITIONAL ENVIRONMENTAL RECORDS

Local Brownfield lists

US BROWNFIELDS: A Listing of Brownfields Sites

Brownfields are real property, the expansion, redevelopment, or reuse of which may be complicated by the presence or potential presence of a hazardous substance, pollutant, or contaminant. Cleaning up and reinvesting in these properties takes development pressures off of undeveloped, open land, and both improves and protects the environment. Assessment, Cleanup and Redevelopment Exchange System (ACRES) stores information reported by EPA Brownfields grant recipients on brownfields properties assessed or cleaned up with grant funding as well as information on Targeted Brownfields Assessments performed by EPA Regions. A listing of ACRES Brownfield sites is obtained from Cleanups in My Community. Cleanups in My Community provides information on Brownfields properties for which information is reported back to EPA, as well as areas served by Brownfields grant programs.

Date of Government Version: 06/01/2020
Date Data Arrived at EDR: 06/02/2020
Date Made Active in Reports: 06/09/2020
Number of Days to Update: 7

Source: Environmental Protection Agency
Telephone: 202-566-2777
Last EDR Contact: 06/02/2020
Next Scheduled EDR Contact: 09/28/2020
Data Release Frequency: Semi-Annually

Local Lists of Landfill / Solid Waste Disposal Sites

WMUDS/SWAT: Waste Management Unit Database

Waste Management Unit Database System. WMUDS is used by the State Water Resources Control Board staff and the Regional Water Quality Control Boards for program tracking and inventory of waste management units. WMUDS is composed of the following databases: Facility Information, Scheduled Inspections Information, Waste Management Unit Information, SWAT Program Information, SWAT Report Summary Information, SWAT Report Summary Data, Chapter 15 (formerly Subchapter 15) Information, Chapter 15 Monitoring Parameters, TPCA Program Information, RCRA Program Information, Closure Information, and Interested Parties Information.

Date of Government Version: 04/01/2000
Date Data Arrived at EDR: 04/10/2000
Date Made Active in Reports: 05/10/2000
Number of Days to Update: 30

Source: State Water Resources Control Board
Telephone: 916-227-4448
Last EDR Contact: 04/16/2020
Next Scheduled EDR Contact: 08/10/2020
Data Release Frequency: No Update Planned

SWRCY: Recycler Database
A listing of recycling facilities in California.

Date of Government Version: 03/09/2020
Date Data Arrived at EDR: 03/10/2020
Date Made Active in Reports: 05/19/2020
Number of Days to Update: 70

Source: Department of Conservation
Telephone: 916-323-3836
Last EDR Contact: 06/09/2020
Next Scheduled EDR Contact: 09/21/2020
Data Release Frequency: Quarterly

HAULERS: Registered Waste Tire Haulers Listing
A listing of registered waste tire haulers.

Date of Government Version: 11/15/2019
Date Data Arrived at EDR: 11/15/2019
Date Made Active in Reports: 01/23/2020
Number of Days to Update: 69

Source: Integrated Waste Management Board
Telephone: 916-341-6422
Last EDR Contact: 05/06/2020
Next Scheduled EDR Contact: 08/24/2020
Data Release Frequency: Varies

INDIAN ODI: Report on the Status of Open Dumps on Indian Lands
Location of open dumps on Indian land.

Date of Government Version: 12/31/1998
Date Data Arrived at EDR: 12/03/2007
Date Made Active in Reports: 01/24/2008
Number of Days to Update: 52

Source: Environmental Protection Agency
Telephone: 703-308-8245
Last EDR Contact: 04/16/2020
Next Scheduled EDR Contact: 08/10/2020
Data Release Frequency: Varies

ODI: Open Dump Inventory
An open dump is defined as a disposal facility that does not comply with one or more of the Part 257 or Part 258 Subtitle D Criteria.

Date of Government Version: 06/30/1985
Date Data Arrived at EDR: 08/09/2004
Date Made Active in Reports: 09/17/2004
Number of Days to Update: 39

Source: Environmental Protection Agency
Telephone: 800-424-9346
Last EDR Contact: 06/09/2004
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

DEBRIS REGION 9: Torres Martinez Reservation Illegal Dump Site Locations
A listing of illegal dump sites location on the Torres Martinez Indian Reservation located in eastern Riverside County and northern Imperial County, California.

Date of Government Version: 01/12/2009
Date Data Arrived at EDR: 05/07/2009
Date Made Active in Reports: 09/21/2009
Number of Days to Update: 137

Source: EPA, Region 9
Telephone: 415-947-4219
Last EDR Contact: 04/09/2020
Next Scheduled EDR Contact: 08/03/2020
Data Release Frequency: No Update Planned

IHS OPEN DUMPS: Open Dumps on Indian Land
A listing of all open dumps located on Indian Land in the United States.

Date of Government Version: 04/01/2014
Date Data Arrived at EDR: 08/06/2014
Date Made Active in Reports: 01/29/2015
Number of Days to Update: 176

Source: Department of Health & Human Serivces, Indian Health Service
Telephone: 301-443-1452
Last EDR Contact: 05/01/2020
Next Scheduled EDR Contact: 08/10/2020
Data Release Frequency: Varies

Local Lists of Hazardous waste / Contaminated Sites

US HIST CDL: National Clandestine Laboratory Register

A listing of clandestine drug lab locations that have been removed from the DEAs National Clandestine Laboratory Register.

Date of Government Version: 03/18/2020
Date Data Arrived at EDR: 03/19/2020
Date Made Active in Reports: 06/09/2020
Number of Days to Update: 82

Source: Drug Enforcement Administration
Telephone: 202-307-1000
Last EDR Contact: 05/18/2020
Next Scheduled EDR Contact: 09/07/2020
Data Release Frequency: No Update Planned

HIST CAL-SITES: Calsites Database

The Calsites database contains potential or confirmed hazardous substance release properties. In 1996, California EPA reevaluated and significantly reduced the number of sites in the Calsites database. No longer updated by the state agency. It has been replaced by ENVIROSTOR.

Date of Government Version: 08/08/2005
Date Data Arrived at EDR: 08/03/2006
Date Made Active in Reports: 08/24/2006
Number of Days to Update: 21

Source: Department of Toxic Substance Control
Telephone: 916-323-3400
Last EDR Contact: 02/23/2009
Next Scheduled EDR Contact: 05/25/2009
Data Release Frequency: No Update Planned

SCH: School Property Evaluation Program

This category contains proposed and existing school sites that are being evaluated by DTSC for possible hazardous materials contamination. In some cases, these properties may be listed in the CalSites category depending on the level of threat to public health and safety or the environment they pose.

Date of Government Version: 01/27/2020
Date Data Arrived at EDR: 01/28/2020
Date Made Active in Reports: 04/09/2020
Number of Days to Update: 72

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 04/28/2020
Next Scheduled EDR Contact: 08/10/2020
Data Release Frequency: Quarterly

CDL: Clandestine Drug Labs

A listing of drug lab locations. Listing of a location in this database does not indicate that any illegal drug lab materials were or were not present there, and does not constitute a determination that the location either requires or does not require additional cleanup work.

Date of Government Version: 12/31/2018
Date Data Arrived at EDR: 02/05/2020
Date Made Active in Reports: 04/15/2020
Number of Days to Update: 70

Source: Department of Toxic Substances Control
Telephone: 916-255-6504
Last EDR Contact: 05/14/2020
Next Scheduled EDR Contact: 07/20/2020
Data Release Frequency: Varies

TOXIC PITS: Toxic Pits Cleanup Act Sites

Toxic PITS Cleanup Act Sites. TOXIC PITS identifies sites suspected of containing hazardous substances where cleanup has not yet been completed.

Date of Government Version: 07/01/1995
Date Data Arrived at EDR: 08/30/1995
Date Made Active in Reports: 09/26/1995
Number of Days to Update: 27

Source: State Water Resources Control Board
Telephone: 916-227-4364
Last EDR Contact: 01/26/2009
Next Scheduled EDR Contact: 04/27/2009
Data Release Frequency: No Update Planned

CERS HAZ WASTE: CERS HAZ WASTE

List of sites in the California Environmental Protection Agency (CalEPA) Regulated Site Portal which fall under the Hazardous Chemical Management, Hazardous Waste Onsite Treatment, Household Hazardous Waste Collection, Hazardous Waste Generator, and RCRA LQ HW Generator programs.

Date of Government Version: 01/21/2020
Date Data Arrived at EDR: 01/22/2020
Date Made Active in Reports: 04/01/2020
Number of Days to Update: 70

Source: CalEPA
Telephone: 916-323-2514
Last EDR Contact: 04/21/2020
Next Scheduled EDR Contact: 08/03/2020
Data Release Frequency: Quarterly

US CDL: Clandestine Drug Labs

A listing of clandestine drug lab locations. The U.S. Department of Justice ("the Department") provides this web site as a public service. It contains addresses of some locations where law enforcement agencies reported they found chemicals or other items that indicated the presence of either clandestine drug laboratories or dumpsites. In most cases, the source of the entries is not the Department, and the Department has not verified the entry and does not guarantee its accuracy. Members of the public must verify the accuracy of all entries by, for example, contacting local law enforcement and local health departments.

Date of Government Version: 03/18/2020
Date Data Arrived at EDR: 03/19/2020
Date Made Active in Reports: 06/09/2020
Number of Days to Update: 82

Source: Drug Enforcement Administration
Telephone: 202-307-1000
Last EDR Contact: 05/18/2020
Next Scheduled EDR Contact: 09/07/2020
Data Release Frequency: Quarterly

PFAS: PFAS Contamination Site Location Listing

A listing of PFAS contaminated sites included in the GeoTracker database.

Date of Government Version: 03/09/2020
Date Data Arrived at EDR: 03/10/2020
Date Made Active in Reports: 05/19/2020
Number of Days to Update: 70

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 06/09/2020
Next Scheduled EDR Contact: 09/21/2020
Data Release Frequency: Varies

Local Lists of Registered Storage Tanks

SWEEPS UST: SWEEPS UST Listing

Statewide Environmental Evaluation and Planning System. This underground storage tank listing was updated and maintained by a company contacted by the SWRCB in the early 1990's. The listing is no longer updated or maintained. The local agency is the contact for more information on a site on the SWEEPS list.

Date of Government Version: 06/01/1994
Date Data Arrived at EDR: 07/07/2005
Date Made Active in Reports: 08/11/2005
Number of Days to Update: 35

Source: State Water Resources Control Board
Telephone: N/A
Last EDR Contact: 06/03/2005
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

UST MENDOCINO: Mendocino County UST Database

A listing of underground storage tank locations in Mendocino County.

Date of Government Version: 12/19/2019
Date Data Arrived at EDR: 12/23/2019
Date Made Active in Reports: 02/21/2020
Number of Days to Update: 60

Source: Department of Public Health
Telephone: 707-463-4466
Last EDR Contact: 05/15/2020
Next Scheduled EDR Contact: 09/07/2020
Data Release Frequency: Annually

HIST UST: Hazardous Substance Storage Container Database

The Hazardous Substance Storage Container Database is a historical listing of UST sites. Refer to local/county source for current data.

Date of Government Version: 10/15/1990
Date Data Arrived at EDR: 01/25/1991
Date Made Active in Reports: 02/12/1991
Number of Days to Update: 18

Source: State Water Resources Control Board
Telephone: 916-341-5851
Last EDR Contact: 07/26/2001
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

SAN FRANCISCO AST: Aboveground Storage Tank Site Listing
Aboveground storage tank sites

Date of Government Version: 08/01/2019
Date Data Arrived at EDR: 08/02/2019
Date Made Active in Reports: 10/11/2019
Number of Days to Update: 70

Source: San Francisco County Department of Public Health
Telephone: 415-252-3896
Last EDR Contact: 04/23/2020
Next Scheduled EDR Contact: 08/17/2020
Data Release Frequency: Varies

CERS TANKS: California Environmental Reporting System (CERS) Tanks
List of sites in the California Environmental Protection Agency (CalEPA) Regulated Site Portal which fall under the Aboveground Petroleum Storage and Underground Storage Tank regulatory programs.

Date of Government Version: 01/21/2020
Date Data Arrived at EDR: 01/22/2020
Date Made Active in Reports: 04/01/2020
Number of Days to Update: 70

Source: California Environmental Protection Agency
Telephone: 916-323-2514
Last EDR Contact: 04/21/2020
Next Scheduled EDR Contact: 08/03/2020
Data Release Frequency: Quarterly

CA FID UST: Facility Inventory Database
The Facility Inventory Database (FID) contains a historical listing of active and inactive underground storage tank locations from the State Water Resource Control Board. Refer to local/county source for current data.

Date of Government Version: 10/31/1994
Date Data Arrived at EDR: 09/05/1995
Date Made Active in Reports: 09/29/1995
Number of Days to Update: 24

Source: California Environmental Protection Agency
Telephone: 916-341-5851
Last EDR Contact: 12/28/1998
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

Local Land Records

LIENS: Environmental Liens Listing
A listing of property locations with environmental liens for California where DTSC is a lien holder.

Date of Government Version: 03/03/2020
Date Data Arrived at EDR: 03/05/2020
Date Made Active in Reports: 05/14/2020
Number of Days to Update: 70

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 05/27/2020
Next Scheduled EDR Contact: 09/14/2020
Data Release Frequency: Varies

LIENS 2: CERCLA Lien Information
A Federal CERCLA ('Superfund') lien can exist by operation of law at any site or property at which EPA has spent Superfund monies. These monies are spent to investigate and address releases and threatened releases of contamination. CERCLIS provides information as to the identity of these sites and properties.

Date of Government Version: 04/27/2020
Date Data Arrived at EDR: 05/06/2020
Date Made Active in Reports: 05/28/2020
Number of Days to Update: 22

Source: Environmental Protection Agency
Telephone: 202-564-6023
Last EDR Contact: 06/30/2020
Next Scheduled EDR Contact: 10/12/2020
Data Release Frequency: Semi-Annually

DEED: Deed Restriction Listing

Site Mitigation and Brownfields Reuse Program Facility Sites with Deed Restrictions & Hazardous Waste Management Program Facility Sites with Deed / Land Use Restriction. The DTSC Site Mitigation and Brownfields Reuse Program (SMBRP) list includes sites cleaned up under the program's oversight and generally does not include current or former hazardous waste facilities that required a hazardous waste facility permit. The list represents deed restrictions that are active. Some sites have multiple deed restrictions. The DTSC Hazardous Waste Management Program (HWMP) has developed a list of current or former hazardous waste facilities that have a recorded land use restriction at the local county recorder's office. The land use restrictions on this list were required by the DTSC HWMP as a result of the presence of hazardous substances that remain on site after the facility (or part of the facility) has been closed or cleaned up. The types of land use restriction include deed notice, deed restriction, or a land use restriction that binds current and future owners.

Date of Government Version: 03/02/2020
Date Data Arrived at EDR: 03/03/2020
Date Made Active in Reports: 05/13/2020
Number of Days to Update: 71

Source: DTSC and SWRCB
Telephone: 916-323-3400
Last EDR Contact: 06/02/2020
Next Scheduled EDR Contact: 09/14/2020
Data Release Frequency: Semi-Annually

Records of Emergency Release Reports

HMIRS: Hazardous Materials Information Reporting System

Hazardous Materials Incident Report System. HMIRS contains hazardous material spill incidents reported to DOT.

Date of Government Version: 02/27/2020
Date Data Arrived at EDR: 03/24/2020
Date Made Active in Reports: 06/18/2020
Number of Days to Update: 86

Source: U.S. Department of Transportation
Telephone: 202-366-4555
Last EDR Contact: 06/23/2020
Next Scheduled EDR Contact: 10/05/2020
Data Release Frequency: Quarterly

CHMIRS: California Hazardous Material Incident Report System

California Hazardous Material Incident Reporting System. CHMIRS contains information on reported hazardous material incidents (accidental releases or spills).

Date of Government Version: 12/24/2019
Date Data Arrived at EDR: 01/22/2020
Date Made Active in Reports: 03/30/2020
Number of Days to Update: 68

Source: Office of Emergency Services
Telephone: 916-845-8400
Last EDR Contact: 04/21/2020
Next Scheduled EDR Contact: 08/03/2020
Data Release Frequency: Semi-Annually

LDS: Land Disposal Sites Listing (GEOTRACKER)

Land Disposal sites (Landfills) included in GeoTracker. GeoTracker is the Water Boards data management system for sites that impact, or have the potential to impact, water quality in California, with emphasis on groundwater.

Date of Government Version: 05/13/2020
Date Data Arrived at EDR: 05/13/2020
Date Made Active in Reports: 05/14/2020
Number of Days to Update: 1

Source: State Water Qualilty Control Board
Telephone: 866-480-1028
Last EDR Contact: 06/09/2020
Next Scheduled EDR Contact: 09/21/2020
Data Release Frequency: Quarterly

MCS: Military Cleanup Sites Listing (GEOTRACKER)

Military sites (consisting of: Military UST sites; Military Privatized sites; and Military Cleanup sites [formerly known as DoD non UST]) included in GeoTracker. GeoTracker is the Water Boards data management system for sites that impact, or have the potential to impact, water quality in California, with emphasis on groundwater.

Date of Government Version: 05/13/2020
Date Data Arrived at EDR: 05/13/2020
Date Made Active in Reports: 05/15/2020
Number of Days to Update: 2

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 06/09/2020
Next Scheduled EDR Contact: 09/21/2020
Data Release Frequency: Quarterly

SPILLS 90: SPILLS90 data from FirstSearch

Spills 90 includes those spill and release records available exclusively from FirstSearch databases. Typically, they may include chemical, oil and/or hazardous substance spills recorded after 1990. Duplicate records that are already included in EDR incident and release records are not included in Spills 90.

Date of Government Version: 06/06/2012
Date Data Arrived at EDR: 01/03/2013
Date Made Active in Reports: 02/22/2013
Number of Days to Update: 50

Source: FirstSearch
Telephone: N/A
Last EDR Contact: 01/03/2013
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

Other Ascertainable Records

RCRA NonGen / NLR: RCRA - Non Generators / No Longer Regulated

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Non-Generators do not presently generate hazardous waste.

Date of Government Version: 03/23/2020
Date Data Arrived at EDR: 03/25/2020
Date Made Active in Reports: 05/21/2020
Number of Days to Update: 57

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 06/22/2020
Next Scheduled EDR Contact: 10/05/2020
Data Release Frequency: Quarterly

FUDS: Formerly Used Defense Sites

The listing includes locations of Formerly Used Defense Sites properties where the US Army Corps of Engineers is actively working or will take necessary cleanup actions.

Date of Government Version: 01/28/2020
Date Data Arrived at EDR: 02/19/2020
Date Made Active in Reports: 05/14/2020
Number of Days to Update: 85

Source: U.S. Army Corps of Engineers
Telephone: 202-528-4285
Last EDR Contact: 05/18/2020
Next Scheduled EDR Contact: 08/31/2020
Data Release Frequency: Varies

DOD: Department of Defense Sites

This data set consists of federally owned or administered lands, administered by the Department of Defense, that have any area equal to or greater than 640 acres of the United States, Puerto Rico, and the U.S. Virgin Islands.

Date of Government Version: 12/31/2005
Date Data Arrived at EDR: 11/10/2006
Date Made Active in Reports: 01/11/2007
Number of Days to Update: 62

Source: USGS
Telephone: 888-275-8747
Last EDR Contact: 04/10/2020
Next Scheduled EDR Contact: 07/20/2020
Data Release Frequency: Semi-Annually

FEDLAND: Federal and Indian Lands

Federally and Indian administrated lands of the United States. Lands included are administrated by: Army Corps of Engineers, Bureau of Reclamation, National Wild and Scenic River, National Wildlife Refuge, Public Domain Land, Wilderness, Wilderness Study Area, Wildlife Management Area, Bureau of Indian Affairs, Bureau of Land Management, Department of Justice, Forest Service, Fish and Wildlife Service, National Park Service.

Date of Government Version: 04/02/2018
Date Data Arrived at EDR: 04/11/2018
Date Made Active in Reports: 11/06/2019
Number of Days to Update: 574

Source: U.S. Geological Survey
Telephone: 888-275-8747
Last EDR Contact: 04/06/2020
Next Scheduled EDR Contact: 07/20/2020
Data Release Frequency: N/A

SCRD DRYCLEANERS: State Coalition for Remediation of Drycleaners Listing

The State Coalition for Remediation of Drycleaners was established in 1998, with support from the U.S. EPA Office of Superfund Remediation and Technology Innovation. It is comprised of representatives of states with established drycleaner remediation programs. Currently the member states are Alabama, Connecticut, Florida, Illinois, Kansas, Minnesota, Missouri, North Carolina, Oregon, South Carolina, Tennessee, Texas, and Wisconsin.

Date of Government Version: 01/01/2017
Date Data Arrived at EDR: 02/03/2017
Date Made Active in Reports: 04/07/2017
Number of Days to Update: 63

Source: Environmental Protection Agency
Telephone: 615-532-8599
Last EDR Contact: 05/15/2020
Next Scheduled EDR Contact: 08/24/2020
Data Release Frequency: Varies

US FIN ASSUR: Financial Assurance Information

All owners and operators of facilities that treat, store, or dispose of hazardous waste are required to provide proof that they will have sufficient funds to pay for the clean up, closure, and post-closure care of their facilities.

Date of Government Version: 03/23/2020
Date Data Arrived at EDR: 03/24/2020
Date Made Active in Reports: 06/18/2020
Number of Days to Update: 86

Source: Environmental Protection Agency
Telephone: 202-566-1917
Last EDR Contact: 06/22/2020
Next Scheduled EDR Contact: 10/05/2020
Data Release Frequency: Quarterly

EPA WATCH LIST: EPA WATCH LIST

EPA maintains a "Watch List" to facilitate dialogue between EPA, state and local environmental agencies on enforcement matters relating to facilities with alleged violations identified as either significant or high priority. Being on the Watch List does not mean that the facility has actually violated the law only that an investigation by EPA or a state or local environmental agency has led those organizations to allege that an unproven violation has in fact occurred. Being on the Watch List does not represent a higher level of concern regarding the alleged violations that were detected, but instead indicates cases requiring additional dialogue between EPA, state and local agencies - primarily because of the length of time the alleged violation has gone unaddressed or unresolved.

Date of Government Version: 08/30/2013
Date Data Arrived at EDR: 03/21/2014
Date Made Active in Reports: 06/17/2014
Number of Days to Update: 88

Source: Environmental Protection Agency
Telephone: 617-520-3000
Last EDR Contact: 05/04/2020
Next Scheduled EDR Contact: 08/17/2020
Data Release Frequency: Quarterly

2020 COR ACTION: 2020 Corrective Action Program List

The EPA has set ambitious goals for the RCRA Corrective Action program by creating the 2020 Corrective Action Universe. This RCRA cleanup baseline includes facilities expected to need corrective action. The 2020 universe contains a wide variety of sites. Some properties are heavily contaminated while others were contaminated but have since been cleaned up. Still others have not been fully investigated yet, and may require little or no remediation. Inclusion in the 2020 Universe does not necessarily imply failure on the part of a facility to meet its RCRA obligations.

Date of Government Version: 09/30/2017
Date Data Arrived at EDR: 05/08/2018
Date Made Active in Reports: 07/20/2018
Number of Days to Update: 73

Source: Environmental Protection Agency
Telephone: 703-308-4044
Last EDR Contact: 05/08/2020
Next Scheduled EDR Contact: 08/17/2020
Data Release Frequency: Varies

TSCA: Toxic Substances Control Act

Toxic Substances Control Act. TSCA identifies manufacturers and importers of chemical substances included on the TSCA Chemical Substance Inventory list. It includes data on the production volume of these substances by plant site.

Date of Government Version: 12/31/2016
Date Data Arrived at EDR: 06/21/2017
Date Made Active in Reports: 01/05/2018
Number of Days to Update: 198

Source: EPA
Telephone: 202-260-5521
Last EDR Contact: 06/17/2020
Next Scheduled EDR Contact: 09/28/2020
Data Release Frequency: Every 4 Years

TRIS: Toxic Chemical Release Inventory System

Toxic Release Inventory System. TRIS identifies facilities which release toxic chemicals to the air, water and land in reportable quantities under SARA Title III Section 313.

Date of Government Version: 12/31/2018
Date Data Arrived at EDR: 02/05/2020
Date Made Active in Reports: 04/24/2020
Number of Days to Update: 79

Source: EPA
Telephone: 202-566-0250
Last EDR Contact: 05/21/2020
Next Scheduled EDR Contact: 08/31/2020
Data Release Frequency: Annually

SSTS: Section 7 Tracking Systems

Section 7 of the Federal Insecticide, Fungicide and Rodenticide Act, as amended (92 Stat. 829) requires all registered pesticide-producing establishments to submit a report to the Environmental Protection Agency by March 1st each year. Each establishment must report the types and amounts of pesticides, active ingredients and devices being produced, and those having been produced and sold or distributed in the past year.

Date of Government Version: 05/01/2019
Date Data Arrived at EDR: 10/23/2019
Date Made Active in Reports: 01/15/2020
Number of Days to Update: 84

Source: EPA
Telephone: 202-564-4203
Last EDR Contact: 04/21/2020
Next Scheduled EDR Contact: 08/03/2020
Data Release Frequency: Annually

ROD: Records Of Decision

Record of Decision. ROD documents mandate a permanent remedy at an NPL (Superfund) site containing technical and health information to aid in the cleanup.

Date of Government Version: 04/27/2020
Date Data Arrived at EDR: 05/06/2020
Date Made Active in Reports: 05/28/2020
Number of Days to Update: 22

Source: EPA
Telephone: 703-416-0223
Last EDR Contact: 06/30/2020
Next Scheduled EDR Contact: 09/14/2020
Data Release Frequency: Annually

RMP: Risk Management Plans

When Congress passed the Clean Air Act Amendments of 1990, it required EPA to publish regulations and guidance for chemical accident prevention at facilities using extremely hazardous substances. The Risk Management Program Rule (RMP Rule) was written to implement Section 112(r) of these amendments. The rule, which built upon existing industry codes and standards, requires companies of all sizes that use certain flammable and toxic substances to develop a Risk Management Program, which includes a(n): Hazard assessment that details the potential effects of an accidental release, an accident history of the last five years, and an evaluation of worst-case and alternative accidental releases; Prevention program that includes safety precautions and maintenance, monitoring, and employee training measures; and Emergency response program that spells out emergency health care, employee training measures and procedures for informing the public and response agencies (e.g the fire department) should an accident occur.

Date of Government Version: 11/05/2019
Date Data Arrived at EDR: 11/20/2019
Date Made Active in Reports: 04/17/2020
Number of Days to Update: 149

Source: Environmental Protection Agency
Telephone: 202-564-8600
Last EDR Contact: 04/15/2020
Next Scheduled EDR Contact: 08/03/2020
Data Release Frequency: Varies

RAATS: RCRA Administrative Action Tracking System

RCRA Administration Action Tracking System. RAATS contains records based on enforcement actions issued under RCRA pertaining to major violators and includes administrative and civil actions brought by the EPA. For administration actions after September 30, 1995, data entry in the RAATS database was discontinued. EPA will retain a copy of the database for historical records. It was necessary to terminate RAATS because a decrease in agency resources made it impossible to continue to update the information contained in the database.

Date of Government Version: 04/17/1995
Date Data Arrived at EDR: 07/03/1995
Date Made Active in Reports: 08/07/1995
Number of Days to Update: 35

Source: EPA
Telephone: 202-564-4104
Last EDR Contact: 06/02/2008
Next Scheduled EDR Contact: 09/01/2008
Data Release Frequency: No Update Planned

PRP: Potentially Responsible Parties
A listing of verified Potentially Responsible Parties

Date of Government Version: 04/27/2020
Date Data Arrived at EDR: 05/06/2020
Date Made Active in Reports: 06/09/2020
Number of Days to Update: 34

Source: EPA
Telephone: 202-564-6023
Last EDR Contact: 06/30/2020
Next Scheduled EDR Contact: 08/17/2020
Data Release Frequency: Quarterly

PADS: PCB Activity Database System
PCB Activity Database. PADS Identifies generators, transporters, commercial storers and/or brokers and disposers of PCB's who are required to notify the EPA of such activities.

Date of Government Version: 10/09/2019
Date Data Arrived at EDR: 10/11/2019
Date Made Active in Reports: 12/20/2019
Number of Days to Update: 70

Source: EPA
Telephone: 202-566-0500
Last EDR Contact: 04/10/2020
Next Scheduled EDR Contact: 07/20/2020
Data Release Frequency: Annually

ICIS: Integrated Compliance Information System
The Integrated Compliance Information System (ICIS) supports the information needs of the national enforcement and compliance program as well as the unique needs of the National Pollutant Discharge Elimination System (NPDES) program.

Date of Government Version: 11/18/2016
Date Data Arrived at EDR: 11/23/2016
Date Made Active in Reports: 02/10/2017
Number of Days to Update: 79

Source: Environmental Protection Agency
Telephone: 202-564-2501
Last EDR Contact: 06/30/2020
Next Scheduled EDR Contact: 10/19/2020
Data Release Frequency: Quarterly

FTTS: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)
FTTS tracks administrative cases and pesticide enforcement actions and compliance activities related to FIFRA, TSCA and EPCRA (Emergency Planning and Community Right-to-Know Act). To maintain currency, EDR contacts the Agency on a quarterly basis.

Date of Government Version: 04/09/2009
Date Data Arrived at EDR: 04/16/2009
Date Made Active in Reports: 05/11/2009
Number of Days to Update: 25

Source: EPA/Office of Prevention, Pesticides and Toxic Substances
Telephone: 202-566-1667
Last EDR Contact: 08/18/2017
Next Scheduled EDR Contact: 12/04/2017
Data Release Frequency: No Update Planned

FTTS INSP: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)
A listing of FIFRA/TSCA Tracking System (FTTS) inspections and enforcements.

Date of Government Version: 04/09/2009
Date Data Arrived at EDR: 04/16/2009
Date Made Active in Reports: 05/11/2009
Number of Days to Update: 25

Source: EPA
Telephone: 202-566-1667
Last EDR Contact: 08/18/2017
Next Scheduled EDR Contact: 12/04/2017
Data Release Frequency: No Update Planned

MLTS: Material Licensing Tracking System
MLTS is maintained by the Nuclear Regulatory Commission and contains a list of approximately 8,100 sites which possess or use radioactive materials and which are subject to NRC licensing requirements. To maintain currency, EDR contacts the Agency on a quarterly basis.

Date of Government Version: 10/25/2019
Date Data Arrived at EDR: 10/25/2019
Date Made Active in Reports: 01/15/2020
Number of Days to Update: 82

Source: Nuclear Regulatory Commission
Telephone: 301-415-7169
Last EDR Contact: 04/10/2020
Next Scheduled EDR Contact: 08/03/2020
Data Release Frequency: Quarterly

COAL ASH DOE: Steam-Electric Plant Operation Data
A listing of power plants that store ash in surface ponds.

Date of Government Version: 12/31/2018
Date Data Arrived at EDR: 12/04/2019
Date Made Active in Reports: 01/15/2020
Number of Days to Update: 42
Source: Department of Energy
Telephone: 202-586-8719
Last EDR Contact: 06/05/2020
Next Scheduled EDR Contact: 09/14/2020
Data Release Frequency: Varies

COAL ASH EPA: Coal Combustion Residues Surface Impoundments List
A listing of coal combustion residues surface impoundments with high hazard potential ratings.

Date of Government Version: 01/12/2017
Date Data Arrived at EDR: 03/05/2019
Date Made Active in Reports: 11/11/2019
Number of Days to Update: 251
Source: Environmental Protection Agency
Telephone: N/A
Last EDR Contact: 06/01/2020
Next Scheduled EDR Contact: 09/14/2020
Data Release Frequency: Varies

PCB TRANSFORMER: PCB Transformer Registration Database
The database of PCB transformer registrations that includes all PCB registration submittals.

Date of Government Version: 09/13/2019
Date Data Arrived at EDR: 11/06/2019
Date Made Active in Reports: 02/10/2020
Number of Days to Update: 96
Source: Environmental Protection Agency
Telephone: 202-566-0517
Last EDR Contact: 05/08/2020
Next Scheduled EDR Contact: 08/17/2020
Data Release Frequency: Varies

RADINFO: Radiation Information Database
The Radiation Information Database (RADINFO) contains information about facilities that are regulated by U.S. Environmental Protection Agency (EPA) regulations for radiation and radioactivity.

Date of Government Version: 07/01/2019
Date Data Arrived at EDR: 07/01/2019
Date Made Active in Reports: 09/23/2019
Number of Days to Update: 84
Source: Environmental Protection Agency
Telephone: 202-343-9775
Last EDR Contact: 06/24/2020
Next Scheduled EDR Contact: 10/12/2020
Data Release Frequency: Quarterly

HIST FTTS: FIFRA/TSCA Tracking System Administrative Case Listing
A complete administrative case listing from the FIFRA/TSCA Tracking System (FTTS) for all ten EPA regions. The information was obtained from the National Compliance Database (NCDB). NCDB supports the implementation of FIFRA (Federal Insecticide, Fungicide, and Rodenticide Act) and TSCA (Toxic Substances Control Act). Some EPA regions are now closing out records. Because of that, and the fact that some EPA regions are not providing EPA Headquarters with updated records, it was decided to create a HIST FTTS database. It included records that may not be included in the newer FTTS database updates. This database is no longer updated.

Date of Government Version: 10/19/2006
Date Data Arrived at EDR: 03/01/2007
Date Made Active in Reports: 04/10/2007
Number of Days to Update: 40
Source: Environmental Protection Agency
Telephone: 202-564-2501
Last EDR Contact: 12/17/2007
Next Scheduled EDR Contact: 03/17/2008
Data Release Frequency: No Update Planned

HIST FTTS INSP: FIFRA/TSCA Tracking System Inspection & Enforcement Case Listing
A complete inspection and enforcement case listing from the FIFRA/TSCA Tracking System (FTTS) for all ten EPA regions. The information was obtained from the National Compliance Database (NCDB). NCDB supports the implementation of FIFRA (Federal Insecticide, Fungicide, and Rodenticide Act) and TSCA (Toxic Substances Control Act). Some EPA regions are now closing out records. Because of that, and the fact that some EPA regions are not providing EPA Headquarters with updated records, it was decided to create a HIST FTTS database. It included records that may not be included in the newer FTTS database updates. This database is no longer updated.

Date of Government Version: 10/19/2006
Date Data Arrived at EDR: 03/01/2007
Date Made Active in Reports: 04/10/2007
Number of Days to Update: 40

Source: Environmental Protection Agency
Telephone: 202-564-2501
Last EDR Contact: 12/17/2008
Next Scheduled EDR Contact: 03/17/2008
Data Release Frequency: No Update Planned

DOT OPS: Incident and Accident Data

Department of Transporation, Office of Pipeline Safety Incident and Accident data.

Date of Government Version: 01/02/2020
Date Data Arrived at EDR: 01/28/2020
Date Made Active in Reports: 04/17/2020
Number of Days to Update: 80

Source: Department of Transporation, Office of Pipeline Safety
Telephone: 202-366-4595
Last EDR Contact: 04/28/2020
Next Scheduled EDR Contact: 08/10/2020
Data Release Frequency: Quarterly

CONSENT: Superfund (CERCLA) Consent Decrees

Major legal settlements that establish responsibility and standards for cleanup at NPL (Superfund) sites. Released periodically by United States District Courts after settlement by parties to litigation matters.

Date of Government Version: 12/31/2019
Date Data Arrived at EDR: 01/17/2020
Date Made Active in Reports: 03/06/2020
Number of Days to Update: 49

Source: Department of Justice, Consent Decree Library
Telephone: Varies
Last EDR Contact: 03/26/2020
Next Scheduled EDR Contact: 07/20/2020
Data Release Frequency: Varies

BRS: Biennial Reporting System

The Biennial Reporting System is a national system administered by the EPA that collects data on the generation and management of hazardous waste. BRS captures detailed data from two groups: Large Quantity Generators (LQG) and Treatment, Storage, and Disposal Facilities.

Date of Government Version: 12/31/2015
Date Data Arrived at EDR: 02/22/2017
Date Made Active in Reports: 09/28/2017
Number of Days to Update: 218

Source: EPA/NTIS
Telephone: 800-424-9346
Last EDR Contact: 06/22/2020
Next Scheduled EDR Contact: 10/05/2020
Data Release Frequency: Biennially

INDIAN RESERV: Indian Reservations

This map layer portrays Indian administered lands of the United States that have any area equal to or greater than 640 acres.

Date of Government Version: 12/31/2014
Date Data Arrived at EDR: 07/14/2015
Date Made Active in Reports: 01/10/2017
Number of Days to Update: 546

Source: USGS
Telephone: 202-208-3710
Last EDR Contact: 04/10/2020
Next Scheduled EDR Contact: 07/20/2020
Data Release Frequency: Semi-Annually

FUSRAP: Formerly Utilized Sites Remedial Action Program

DOE established the Formerly Utilized Sites Remedial Action Program (FUSRAP) in 1974 to remediate sites where radioactive contamination remained from Manhattan Project and early U.S. Atomic Energy Commission (AEC) operations.

Date of Government Version: 08/08/2017
Date Data Arrived at EDR: 09/11/2018
Date Made Active in Reports: 09/14/2018
Number of Days to Update: 3

Source: Department of Energy
Telephone: 202-586-3559
Last EDR Contact: 04/29/2020
Next Scheduled EDR Contact: 08/17/2020
Data Release Frequency: Varies

UMTRA: Uranium Mill Tailings Sites

Uranium ore was mined by private companies for federal government use in national defense programs. When the mills shut down, large piles of the sand-like material (mill tailings) remain after uranium has been extracted from the ore. Levels of human exposure to radioactive materials from the piles are low; however, in some cases tailings were used as construction materials before the potential health hazards of the tailings were recognized.

Date of Government Version: 08/30/2019
Date Data Arrived at EDR: 11/15/2019
Date Made Active in Reports: 01/28/2020
Number of Days to Update: 74

Source: Department of Energy
Telephone: 505-845-0011
Last EDR Contact: 05/18/2020
Next Scheduled EDR Contact: 08/31/2020
Data Release Frequency: Varies

LEAD SMELTER 1: Lead Smelter Sites

A listing of former lead smelter site locations.

Date of Government Version: 04/27/2020
Date Data Arrived at EDR: 05/06/2020
Date Made Active in Reports: 05/28/2020
Number of Days to Update: 22

Source: Environmental Protection Agency
Telephone: 703-603-8787
Last EDR Contact: 06/30/2020
Next Scheduled EDR Contact: 10/12/2020
Data Release Frequency: Varies

LEAD SMELTER 2: Lead Smelter Sites

A list of several hundred sites in the U.S. where secondary lead smelting was done from 1931and 1964. These sites may pose a threat to public health through ingestion or inhalation of contaminated soil or dust

Date of Government Version: 04/05/2001
Date Data Arrived at EDR: 10/27/2010
Date Made Active in Reports: 12/02/2010
Number of Days to Update: 36

Source: American Journal of Public Health
Telephone: 703-305-6451
Last EDR Contact: 12/02/2009
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

US AIRS (AFS): Aerometric Information Retrieval System Facility Subsystem (AFS)

The database is a sub-system of Aerometric Information Retrieval System (AIRS). AFS contains compliance data on air pollution point sources regulated by the U.S. EPA and/or state and local air regulatory agencies. This information comes from source reports by various stationary sources of air pollution, such as electric power plants, steel mills, factories, and universities, and provides information about the air pollutants they produce. Action, air program, air program pollutant, and general level plant data. It is used to track emissions and compliance data from industrial plants.

Date of Government Version: 10/12/2016
Date Data Arrived at EDR: 10/26/2016
Date Made Active in Reports: 02/03/2017
Number of Days to Update: 100

Source: EPA
Telephone: 202-564-2496
Last EDR Contact: 09/26/2017
Next Scheduled EDR Contact: 01/08/2018
Data Release Frequency: Annually

US AIRS MINOR: Air Facility System Data

A listing of minor source facilities.

Date of Government Version: 10/12/2016
Date Data Arrived at EDR: 10/26/2016
Date Made Active in Reports: 02/03/2017
Number of Days to Update: 100

Source: EPA
Telephone: 202-564-2496
Last EDR Contact: 09/26/2017
Next Scheduled EDR Contact: 01/08/2018
Data Release Frequency: Annually

US MINES: Mines Master Index File

Contains all mine identification numbers issued for mines active or opened since 1971. The data also includes violation information.

Date of Government Version: 02/11/2020
Date Data Arrived at EDR: 02/25/2020
Date Made Active in Reports: 05/21/2020
Number of Days to Update: 86

Source: Department of Labor, Mine Safety and Health Administration
Telephone: 303-231-5959
Last EDR Contact: 05/21/2020
Next Scheduled EDR Contact: 09/07/2020
Data Release Frequency: Semi-Annually

MINES VIOLATIONS: MSHA Violation Assessment Data

Mines violation and assessment information. Department of Labor, Mine Safety & Health Administration.

Date of Government Version: 03/31/2020
Date Data Arrived at EDR: 04/01/2020
Date Made Active in Reports: 05/21/2020
Number of Days to Update: 50

Source: DOL, Mine Safety & Health Admi
Telephone: 202-693-9424
Last EDR Contact: 05/27/2020
Next Scheduled EDR Contact: 09/14/2020
Data Release Frequency: Quarterly

US MINES 2: Ferrous and Nonferrous Metal Mines Database Listing

This map layer includes ferrous (ferrous metal mines are facilities that extract ferrous metals, such as iron ore or molybdenum) and nonferrous (Nonferrous metal mines are facilities that extract nonferrous metals, such as gold, silver, copper, zinc, and lead) metal mines in the United States.

Date of Government Version: 01/16/2018
Date Data Arrived at EDR: 02/28/2020
Date Made Active in Reports: 05/22/2020
Number of Days to Update: 84

Source: USGS
Telephone: 703-648-7709
Last EDR Contact: 05/27/2020
Next Scheduled EDR Contact: 09/07/2020
Data Release Frequency: Varies

US MINES 3: Active Mines & Mineral Plants Database Listing

Active Mines and Mineral Processing Plant operations for commodities monitored by the Minerals Information Team of the USGS.

Date of Government Version: 04/14/2011
Date Data Arrived at EDR: 06/08/2011
Date Made Active in Reports: 09/13/2011
Number of Days to Update: 97

Source: USGS
Telephone: 703-648-7709
Last EDR Contact: 05/21/2020
Next Scheduled EDR Contact: 09/07/2020
Data Release Frequency: Varies

ABANDONED MINES: Abandoned Mines

An inventory of land and water impacted by past mining (primarily coal mining) is maintained by OSMRE to provide information needed to implement the Surface Mining Control and Reclamation Act of 1977 (SMCRA). The inventory contains information on the location, type, and extent of AML impacts, as well as, information on the cost associated with the reclamation of those problems. The inventory is based upon field surveys by State, Tribal, and OSMRE program officials. It is dynamic to the extent that it is modified as new problems are identified and existing problems are reclaimed.

Date of Government Version: 03/05/2020
Date Data Arrived at EDR: 03/06/2020
Date Made Active in Reports: 05/29/2020
Number of Days to Update: 84

Source: Department of Interior
Telephone: 202-208-2609
Last EDR Contact: 06/19/2020
Next Scheduled EDR Contact: 09/21/2020
Data Release Frequency: Quarterly

FINDS: Facility Index System/Facility Registry System

Facility Index System. FINDS contains both facility information and 'pointers' to other sources that contain more detail. EDR includes the following FINDS databases in this report: PCS (Permit Compliance System), AIRS (Aerometric Information Retrieval System), DOCKET (Enforcement Docket used to manage and track information on civil judicial enforcement cases for all environmental statutes), FURS (Federal Underground Injection Control), C-DOCKET (Criminal Docket System used to track criminal enforcement actions for all environmental statutes), FFIS (Federal Facilities Information System), STATE (State Environmental Laws and Statutes), and PADS (PCB Activity Data System).

Date of Government Version: 02/03/2020
Date Data Arrived at EDR: 03/03/2020
Date Made Active in Reports: 05/28/2020
Number of Days to Update: 86

Source: EPA
Telephone: (415) 947-8000
Last EDR Contact: 06/02/2020
Next Scheduled EDR Contact: 09/14/2020
Data Release Frequency: Quarterly

DOCKET HWC: Hazardous Waste Compliance Docket Listing

A complete list of the Federal Agency Hazardous Waste Compliance Docket Facilities.

Date of Government Version: 05/31/2018
Date Data Arrived at EDR: 07/26/2018
Date Made Active in Reports: 10/05/2018
Number of Days to Update: 71

Source: Environmental Protection Agency
Telephone: 202-564-0527
Last EDR Contact: 05/18/2020
Next Scheduled EDR Contact: 09/07/2020
Data Release Frequency: Varies

UXO: Unexploded Ordnance Sites
A listing of unexploded ordnance site locations

Date of Government Version: 12/31/2017
Date Data Arrived at EDR: 01/17/2019
Date Made Active in Reports: 04/01/2019
Number of Days to Update: 74
Source: Department of Defense
Telephone: 703-704-1564
Last EDR Contact: 04/03/2020
Next Scheduled EDR Contact: 07/27/2020
Data Release Frequency: Varies

ECHO: Enforcement & Compliance History Information
ECHO provides integrated compliance and enforcement information for about 800,000 regulated facilities nationwide.

Date of Government Version: 04/04/2020
Date Data Arrived at EDR: 04/07/2020
Date Made Active in Reports: 06/26/2020
Number of Days to Update: 80
Source: Environmental Protection Agency
Telephone: 202-564-2280
Last EDR Contact: 04/07/2020
Next Scheduled EDR Contact: 07/20/2020
Data Release Frequency: Quarterly

FUELS PROGRAM: EPA Fuels Program Registered Listing
This listing includes facilities that are registered under the Part 80 (Code of Federal Regulations) EPA Fuels Programs. All companies now are required to submit new and updated registrations.

Date of Government Version: 02/18/2020
Date Data Arrived at EDR: 02/19/2020
Date Made Active in Reports: 05/14/2020
Number of Days to Update: 85
Source: EPA
Telephone: 800-385-6164
Last EDR Contact: 05/19/2020
Next Scheduled EDR Contact: 08/31/2020
Data Release Frequency: Quarterly

CA BOND EXP. PLAN: Bond Expenditure Plan
Department of Health Services developed a site-specific expenditure plan as the basis for an appropriation of Hazardous Substance Cleanup Bond Act funds. It is not updated.

Date of Government Version: 01/01/1989
Date Data Arrived at EDR: 07/27/1994
Date Made Active in Reports: 08/02/1994
Number of Days to Update: 6
Source: Department of Health Services
Telephone: 916-255-2118
Last EDR Contact: 05/31/1994
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

CORTESE: "Cortese" Hazardous Waste & Substances Sites List
The sites for the list are designated by the State Water Resource Control Board (LUST), the Integrated Waste Board (SWF/LS), and the Department of Toxic Substances Control (Cal-Sites).

Date of Government Version: 03/23/2020
Date Data Arrived at EDR: 03/24/2020
Date Made Active in Reports: 06/05/2020
Number of Days to Update: 73
Source: CAL EPA/Office of Emergency Information
Telephone: 916-323-3400
Last EDR Contact: 06/22/2020
Next Scheduled EDR Contact: 10/05/2020
Data Release Frequency: Quarterly

CUPA SAN FRANCISCO CO: CUPA Facility Listing
Cupa facilities

Date of Government Version: 02/03/2020
Date Data Arrived at EDR: 02/04/2020
Date Made Active in Reports: 04/09/2020
Number of Days to Update: 65
Source: San Francisco County Department of Environmental Health
Telephone: 415-252-3896
Last EDR Contact: 04/23/2020
Next Scheduled EDR Contact: 08/17/2020
Data Release Frequency: Varies

CUPA LIVERMORE-PLEASANTON: CUPA Facility Listing
list of facilities associated with the various CUPA programs in Livermore-Pleasanton

Date of Government Version: 05/01/2019
Date Data Arrived at EDR: 05/14/2019
Date Made Active in Reports: 07/17/2019
Number of Days to Update: 64

Source: Livermore-Pleasanton Fire Department
Telephone: 925-454-2361
Last EDR Contact: 05/15/2020
Next Scheduled EDR Contact: 08/24/2020
Data Release Frequency: Varies

DRYCLEANERS: Cleaner Facilities

A list of drycleaner related facilities that have EPA ID numbers. These are facilities with certain SIC codes: power laundries, family and commercial; garment pressing and cleaner's agents; linen supply; coin-operated laundries and cleaning; drycleaning plants, except rugs; carpet and upholster cleaning; industrial launderers; laundry and garment services.

Date of Government Version: 12/04/2019
Date Data Arrived at EDR: 01/29/2020
Date Made Active in Reports: 04/09/2020
Number of Days to Update: 71

Source: Department of Toxic Substance Control
Telephone: 916-327-4498
Last EDR Contact: 05/27/2020
Next Scheduled EDR Contact: 09/14/2020
Data Release Frequency: Annually

DRYCLEAN SOUTH COAST: South Coast Air Quality Management District Drycleaner Listing

A listing of dry cleaners in the South Coast Air Quality Management District

Date of Government Version: 03/25/2020
Date Data Arrived at EDR: 03/26/2020
Date Made Active in Reports: 06/15/2020
Number of Days to Update: 81

Source: South Coast Air Quality Management District
Telephone: 909-396-3211
Last EDR Contact: 05/15/2020
Next Scheduled EDR Contact: 09/07/2020
Data Release Frequency: Varies

DRYCLEAN AVAQMD: Antelope Valley Air Quality Management District Drycleaner Listing

A listing of dry cleaners in the Antelope Valley Air Quality Management District.

Date of Government Version: 02/27/2020
Date Data Arrived at EDR: 02/28/2020
Date Made Active in Reports: 05/07/2020
Number of Days to Update: 69

Source: Antelope Valley Air Quality Management District
Telephone: 661-723-8070
Last EDR Contact: 05/27/2020
Next Scheduled EDR Contact: 09/14/2020
Data Release Frequency: Varies

EMI: Emissions Inventory Data

Toxics and criteria pollutant emissions data collected by the ARB and local air pollution agencies.

Date of Government Version: 12/31/2017
Date Data Arrived at EDR: 06/24/2019
Date Made Active in Reports: 08/22/2019
Number of Days to Update: 59

Source: California Air Resources Board
Telephone: 916-322-2990
Last EDR Contact: 06/16/2020
Next Scheduled EDR Contact: 09/28/2020
Data Release Frequency: Varies

ENF: Enforcement Action Listing

A listing of Water Board Enforcement Actions. Formal is everything except Oral/Verbal Communication, Notice of Violation, Expedited Payment Letter, and Staff Enforcement Letter.

Date of Government Version: 04/03/2020
Date Data Arrived at EDR: 04/07/2020
Date Made Active in Reports: 04/15/2020
Number of Days to Update: 8

Source: State Water Resoruces Control Board
Telephone: 916-445-9379
Last EDR Contact: 04/03/2020
Next Scheduled EDR Contact: 08/03/2020
Data Release Frequency: Varies

Financial Assurance 1: Financial Assurance Information Listing

Financial Assurance information

Date of Government Version: 01/21/2020
Date Data Arrived at EDR: 01/23/2020
Date Made Active in Reports: 04/01/2020
Number of Days to Update: 69

Source: Department of Toxic Substances Control
Telephone: 916-255-3628
Last EDR Contact: 04/09/2020
Next Scheduled EDR Contact: 08/03/2020
Data Release Frequency: Varies

Financial Assurance 2: Financial Assurance Information Listing

A listing of financial assurance information for solid waste facilities. Financial assurance is intended to ensure that resources are available to pay for the cost of closure, post-closure care, and corrective measures if the owner or operator of a regulated facility is unable or unwilling to pay.

Date of Government Version: 02/19/2020
Date Data Arrived at EDR: 02/20/2020
Date Made Active in Reports: 04/24/2020
Number of Days to Update: 64

Source: California Integrated Waste Management Board
Telephone: 916-341-6066
Last EDR Contact: 04/29/2020
Next Scheduled EDR Contact: 08/24/2020
Data Release Frequency: Varies

HAZNET: Facility and Manifest Data

Facility and Manifest Data. The data is extracted from the copies of hazardous waste manifests received each year by the DTSC. The annual volume of manifests is typically 700,000 - 1,000,000 annually, representing approximately 350,000 - 500,000 shipments. Data are from the manifests submitted without correction, and therefore many contain some invalid values for data elements such as generator ID, TSD ID, waste category, and disposal method. This database begins with calendar year 1993.

Date of Government Version: 12/31/2017
Date Data Arrived at EDR: 05/29/2019
Date Made Active in Reports: 07/22/2019
Number of Days to Update: 54

Source: California Environmental Protection Agency
Telephone: 916-255-1136
Last EDR Contact: 04/15/2020
Next Scheduled EDR Contact: 07/20/2020
Data Release Frequency: Annually

ICE: ICE

Contains data pertaining to the Permitted Facilities with Inspections / Enforcements sites tracked in Envirostor.

Date of Government Version: 02/18/2020
Date Data Arrived at EDR: 02/19/2020
Date Made Active in Reports: 04/24/2020
Number of Days to Update: 65

Source: Department of Toxic Subsances Control
Telephone: 877-786-9427
Last EDR Contact: 05/18/2020
Next Scheduled EDR Contact: 08/31/2020
Data Release Frequency: Quarterly

HIST CORTESE: Hazardous Waste & Substance Site List

The sites for the list are designated by the State Water Resource Control Board [LUST], the Integrated Waste Board [SWF/LS], and the Department of Toxic Substances Control [CALSITES]. This listing is no longer updated by the state agency.

Date of Government Version: 04/01/2001
Date Data Arrived at EDR: 01/22/2009
Date Made Active in Reports: 04/08/2009
Number of Days to Update: 76

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 01/22/2009
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

HWP: EnviroStor Permitted Facilities Listing

Detailed information on permitted hazardous waste facilities and corrective action ("cleanups") tracked in EnviroStor.

Date of Government Version: 02/18/2020
Date Data Arrived at EDR: 02/19/2020
Date Made Active in Reports: 04/24/2020
Number of Days to Update: 65

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 05/18/2020
Next Scheduled EDR Contact: 08/31/2020
Data Release Frequency: Quarterly

HWT: Registered Hazardous Waste Transporter Database

A listing of hazardous waste transporters. In California, unless specifically exempted, it is unlawful for any person to transport hazardous wastes unless the person holds a valid registration issued by DTSC. A hazardous waste transporter registration is valid for one year and is assigned a unique registration number.

Date of Government Version: 04/06/2020
Date Data Arrived at EDR: 04/08/2020
Date Made Active in Reports: 06/26/2020
Number of Days to Update: 79

Source: Department of Toxic Substances Control
Telephone: 916-440-7145
Last EDR Contact: 04/09/2020
Next Scheduled EDR Contact: 07/20/2020
Data Release Frequency: Quarterly

MINES: Mines Site Location Listing
A listing of mine site locations from the Office of Mine Reclamation.

Date of Government Version: 03/09/2020
Date Data Arrived at EDR: 03/10/2020
Date Made Active in Reports: 05/19/2020
Number of Days to Update: 70

Source: Department of Conservation
Telephone: 916-322-1080
Last EDR Contact: 06/09/2020
Next Scheduled EDR Contact: 09/21/2020
Data Release Frequency: Quarterly

MWMP: Medical Waste Management Program Listing
The Medical Waste Management Program (MWMP) ensures the proper handling and disposal of medical waste by permitting and inspecting medical waste Offsite Treatment Facilities (PDF) and Transfer Stations (PDF) throughout the state. MWMP also oversees all Medical Waste Transporters.

Date of Government Version: 02/12/2020
Date Data Arrived at EDR: 03/03/2020
Date Made Active in Reports: 05/14/2020
Number of Days to Update: 72

Source: Department of Public Health
Telephone: 916-558-1784
Last EDR Contact: 06/02/2020
Next Scheduled EDR Contact: 09/14/2020
Data Release Frequency: Varies

NPDES: NPDES Permits Listing
A listing of NPDES permits, including stormwater.

Date of Government Version: 02/10/2020
Date Data Arrived at EDR: 02/11/2020
Date Made Active in Reports: 04/20/2020
Number of Days to Update: 69

Source: State Water Resources Control Board
Telephone: 916-445-9379
Last EDR Contact: 05/12/2020
Next Scheduled EDR Contact: 08/24/2020
Data Release Frequency: Quarterly

PEST LIC: Pesticide Regulation Licenses Listing
A listing of licenses and certificates issued by the Department of Pesticide Regulation. The DPR issues licenses and/or certificates to: Persons and businesses that apply or sell pesticides; Pest control dealers and brokers; Persons who advise on agricultural pesticide applications.

Date of Government Version: 03/02/2020
Date Data Arrived at EDR: 03/03/2020
Date Made Active in Reports: 05/14/2020
Number of Days to Update: 72

Source: Department of Pesticide Regulation
Telephone: 916-445-4038
Last EDR Contact: 06/02/2020
Next Scheduled EDR Contact: 09/14/2020
Data Release Frequency: Quarterly

PROC: Certified Processors Database
A listing of certified processors.

Date of Government Version: 03/09/2020
Date Data Arrived at EDR: 03/10/2020
Date Made Active in Reports: 05/19/2020
Number of Days to Update: 70

Source: Department of Conservation
Telephone: 916-323-3836
Last EDR Contact: 06/09/2020
Next Scheduled EDR Contact: 09/21/2020
Data Release Frequency: Quarterly

NOTIFY 65: Proposition 65 Records
Listings of all Proposition 65 incidents reported to counties by the State Water Resources Control Board and the Regional Water Quality Control Board. This database is no longer updated by the reporting agency.

Date of Government Version: 03/12/2020
Date Data Arrived at EDR: 03/13/2020
Date Made Active in Reports: 05/21/2020
Number of Days to Update: 69

Source: State Water Resources Control Board
Telephone: 916-445-3846
Last EDR Contact: 06/10/2020
Next Scheduled EDR Contact: 09/28/2020
Data Release Frequency: No Update Planned

UIC: UIC Listing
A listing of wells identified as underground injection wells, in the California Oil and Gas Wells database.

Date of Government Version: 03/09/2020
Date Data Arrived at EDR: 03/10/2020
Date Made Active in Reports: 05/19/2020
Number of Days to Update: 70
Source: Deaprtment of Conservation
Telephone: 916-445-2408
Last EDR Contact: 06/09/2020
Next Scheduled EDR Contact: 09/21/2020
Data Release Frequency: Varies

UIC GEO: Underground Injection Control Sites (GEOTRACKER)
Underground control injection sites

Date of Government Version: 05/13/2020
Date Data Arrived at EDR: 05/13/2020
Date Made Active in Reports: 05/15/2020
Number of Days to Update: 2
Source: State Water Resource Control Board
Telephone: 866-480-1028
Last EDR Contact: 06/09/2020
Next Scheduled EDR Contact: 09/21/2020
Data Release Frequency: Varies

WASTEWATER PITS: Oil Wastewater Pits Listing
Water officials discovered that oil producers have been dumping chemical-laden wastewater into hundreds of unlined pits that are operating without proper permits. Inspections completed by the Central Valley Regional Water Quality Control Board revealed the existence of previously unidentified waste sites. The water boards review found that more than one-third of the region's active disposal pits are operating without permission.

Date of Government Version: 11/19/2019
Date Data Arrived at EDR: 01/07/2020
Date Made Active in Reports: 03/09/2020
Number of Days to Update: 62
Source: RWQCB, Central Valley Region
Telephone: 559-445-5577
Last EDR Contact: 04/10/2020
Next Scheduled EDR Contact: 07/20/2020
Data Release Frequency: Varies

WDS: Waste Discharge System
Sites which have been issued waste discharge requirements.

Date of Government Version: 06/19/2007
Date Data Arrived at EDR: 06/20/2007
Date Made Active in Reports: 06/29/2007
Number of Days to Update: 9
Source: State Water Resources Control Board
Telephone: 916-341-5227
Last EDR Contact: 05/07/2020
Next Scheduled EDR Contact: 08/31/2020
Data Release Frequency: No Update Planned

WIP: Well Investigation Program Case List
Well Investigation Program case in the San Gabriel and San Fernando Valley area.

Date of Government Version: 07/03/2009
Date Data Arrived at EDR: 07/21/2009
Date Made Active in Reports: 08/03/2009
Number of Days to Update: 13
Source: Los Angeles Water Quality Control Board
Telephone: 213-576-6726
Last EDR Contact: 06/17/2020
Next Scheduled EDR Contact: 10/05/2020
Data Release Frequency: No Update Planned

MILITARY PRIV SITES: Military Privatized Sites (GEOTRACKER)
Military privatized sites

Date of Government Version: 05/13/2020
Date Data Arrived at EDR: 05/13/2020
Date Made Active in Reports: 05/15/2020
Number of Days to Update: 2
Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 06/09/2020
Next Scheduled EDR Contact: 09/21/2020
Data Release Frequency: Varies

PROJECT: Project Sites (GEOTRACKER)
Projects sites

Date of Government Version: 05/13/2020
Date Data Arrived at EDR: 05/13/2020
Date Made Active in Reports: 05/15/2020
Number of Days to Update: 2

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 06/09/2020
Next Scheduled EDR Contact: 09/21/2020
Data Release Frequency: Varies

WDR: Waste Discharge Requirements Listing

In general, the Waste Discharge Requirements (WDRs) Program (sometimes also referred to as the "Non Chapter 15 (Non 15) Program") regulates point discharges that are exempt pursuant to Subsection 20090 of Title 27 and not subject to the Federal Water Pollution Control Act. Exemptions from Title 27 may be granted for nine categories of discharges (e.g., sewage, wastewater, etc.) that meet, and continue to meet, the preconditions listed for each specific exemption. The scope of the WDRs Program also includes the discharge of wastes classified as inert, pursuant to section 20230 of Title 27.

Date of Government Version: 03/09/2020
Date Data Arrived at EDR: 03/10/2020
Date Made Active in Reports: 05/19/2020
Number of Days to Update: 70

Source: State Water Resources Control Board
Telephone: 916-341-5810
Last EDR Contact: 06/09/2020
Next Scheduled EDR Contact: 09/21/2020
Data Release Frequency: Quarterly

CIWQS: California Integrated Water Quality System

The California Integrated Water Quality System (CIWQS) is a computer system used by the State and Regional Water Quality Control Boards to track information about places of environmental interest, manage permits and other orders, track inspections, and manage violations and enforcement activities.

Date of Government Version: 03/02/2020
Date Data Arrived at EDR: 03/03/2020
Date Made Active in Reports: 05/13/2020
Number of Days to Update: 71

Source: State Water Resources Control Board
Telephone: 866-794-4977
Last EDR Contact: 06/02/2020
Next Scheduled EDR Contact: 09/14/2020
Data Release Frequency: Varies

CERS: CalEPA Regulated Site Portal Data

The CalEPA Regulated Site Portal database combines data about environmentally regulated sites and facilities in California into a single database. It combines data from a variety of state and federal databases, and provides an overview of regulated activities across the spectrum of environmental programs for any given location in California. These activities include hazardous materials and waste, state and federal cleanups, impacted ground and surface waters, and toxic materials

Date of Government Version: 01/21/2020
Date Data Arrived at EDR: 01/22/2020
Date Made Active in Reports: 04/01/2020
Number of Days to Update: 70

Source: California Environmental Protection Agency
Telephone: 916-323-2514
Last EDR Contact: 04/21/2020
Next Scheduled EDR Contact: 08/03/2020
Data Release Frequency: Varies

NON-CASE INFO: Non-Case Information Sites (GEOTRACKER)

Non-Case Information sites

Date of Government Version: 05/13/2020
Date Data Arrived at EDR: 05/13/2020
Date Made Active in Reports: 05/15/2020
Number of Days to Update: 2

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 06/09/2020
Next Scheduled EDR Contact: 09/21/2020
Data Release Frequency: Varies

OTHER OIL GAS: Other Oil & Gas Projects Sites (GEOTRACKER)

Other Oil & Gas Projects sites

Date of Government Version: 05/13/2020
Date Data Arrived at EDR: 05/13/2020
Date Made Active in Reports: 05/15/2020
Number of Days to Update: 2

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 06/09/2020
Next Scheduled EDR Contact: 09/21/2020
Data Release Frequency: Varies

PROD WATER PONDS: Produced Water Ponds Sites (GEOTRACKER)
Produced water ponds sites

Date of Government Version: 05/13/2020
Date Data Arrived at EDR: 05/13/2020
Date Made Active in Reports: 05/15/2020
Number of Days to Update: 2

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 06/09/2020
Next Scheduled EDR Contact: 09/21/2020
Data Release Frequency: Varies

SAMPLING POINT: Sampling Point ? Public Sites (GEOTRACKER)
Sampling point - public sites

Date of Government Version: 05/13/2020
Date Data Arrived at EDR: 05/13/2020
Date Made Active in Reports: 05/15/2020
Number of Days to Update: 2

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 06/09/2020
Next Scheduled EDR Contact: 09/21/2020
Data Release Frequency: Varies

WELL STIM PROJ: Well Stimulation Project (GEOTRACKER)
Includes areas of groundwater monitoring plans, a depiction of the monitoring network, and the facilities, boundaries, and subsurface characteristics of the oilfield and the features (oil and gas wells, produced water ponds, UIC wells, water supply wells, etc?) being monitored

Date of Government Version: 05/13/2020
Date Data Arrived at EDR: 05/13/2020
Date Made Active in Reports: 05/15/2020
Number of Days to Update: 2

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 06/09/2020
Next Scheduled EDR Contact: 09/21/2020
Data Release Frequency: Varies

PCS ENF: Enforcement data
No description is available for this data

Date of Government Version: 12/31/2014
Date Data Arrived at EDR: 02/05/2015
Date Made Active in Reports: 03/06/2015
Number of Days to Update: 29

Source: EPA
Telephone: 202-564-2497
Last EDR Contact: 03/26/2020
Next Scheduled EDR Contact: 07/20/2020
Data Release Frequency: Varies

HWTS: Hazardous Waste Tracking System
The Hazardous Waste Tracking System (HWTS) is the Department of Toxic Substances Control?s data repository for hazardous waste Identification (ID) numbers and manifest information. HWTS generates reports on hazardous waste shipments for generators, transporters, and TSDFs.

Date of Government Version: 10/15/2019
Date Data Arrived at EDR: 11/14/2019
Date Made Active in Reports: 02/07/2020
Number of Days to Update: 85

Source: Department of Toxic Substances Control
Telephone: 916-324-2444
Last EDR Contact: 06/29/2020
Next Scheduled EDR Contact: 10/19/2020
Data Release Frequency: Varies

PCS: Permit Compliance System
PCS is a computerized management information system that contains data on National Pollutant Discharge Elimination System (NPDES) permit holding facilities. PCS tracks the permit, compliance, and enforcement status of NPDES facilities.

Date of Government Version: 07/14/2011
Date Data Arrived at EDR: 08/05/2011
Date Made Active in Reports: 09/29/2011
Number of Days to Update: 55

Source: EPA, Office of Water
Telephone: 202-564-2496
Last EDR Contact: 06/08/2020
Next Scheduled EDR Contact: 09/21/2020
Data Release Frequency: Semi-Annually

MINES MRDS: Mineral Resources Data System
Mineral Resources Data System

Date of Government Version: 04/06/2018
Date Data Arrived at EDR: 10/21/2019
Date Made Active in Reports: 10/24/2019
Number of Days to Update: 3

Source: USGS
Telephone: 703-648-6533
Last EDR Contact: 05/21/2020
Next Scheduled EDR Contact: 09/07/2020
Data Release Frequency: Varies

PCS INACTIVE: Listing of Inactive PCS Permits
An inactive permit is a facility that has shut down or is no longer discharging.

Date of Government Version: 11/05/2014
Date Data Arrived at EDR: 01/06/2015
Date Made Active in Reports: 05/06/2015
Number of Days to Update: 120

Source: EPA
Telephone: 202-564-2496
Last EDR Contact: 03/26/2020
Next Scheduled EDR Contact: 07/20/2020
Data Release Frequency: Semi-Annually

EDR HIGH RISK HISTORICAL RECORDS

EDR Exclusive Records

EDR MGP: EDR Proprietary Manufactured Gas Plants
The EDR Proprietary Manufactured Gas Plant Database includes records of coal gas plants (manufactured gas plants) compiled by EDR's researchers. Manufactured gas sites were used in the United States from the 1800's to 1950's to produce a gas that could be distributed and used as fuel. These plants used whale oil, rosin, coal, or a mixture of coal, oil, and water that also produced a significant amount of waste. Many of the byproducts of the gas production, such as coal tar (oily waste containing volatile and non-volatile chemicals), sludges, oils and other compounds are potentially hazardous to human health and the environment. The byproduct from this process was frequently disposed of directly at the plant site and can remain or spread slowly, serving as a continuous source of soil and groundwater contamination.

Date of Government Version: N/A
Date Data Arrived at EDR: N/A
Date Made Active in Reports: N/A
Number of Days to Update: N/A

Source: EDR, Inc.
Telephone: N/A
Last EDR Contact: N/A
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

EDR Hist Auto: EDR Exclusive Historical Auto Stations
EDR has searched selected national collections of business directories and has collected listings of potential gas station/filling station/service station sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include gas station/filling station/service station establishments. The categories reviewed included, but were not limited to gas, gas station, gasoline station, filling station, auto, automobile repair, auto service station, service station, etc. This database falls within a category of information EDR classifies as "High Risk Historical Records", or HRHR. EDR's HRHR effort presents unique and sometimes proprietary data about past sites and operations that typically create environmental concerns, but may not show up in current government records searches.

Date of Government Version: N/A
Date Data Arrived at EDR: N/A
Date Made Active in Reports: N/A
Number of Days to Update: N/A

Source: EDR, Inc.
Telephone: N/A
Last EDR Contact: N/A
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

EDR Hist Cleaner: EDR Exclusive Historical Cleaners
EDR has searched selected national collections of business directories and has collected listings of potential dry cleaner sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include dry cleaning establishments. The categories reviewed included, but were not limited to dry cleaners, cleaners, laundry, laundromat, cleaning/laundry, wash & dry etc. This database falls within a category of information EDR classifies as "High Risk Historical Records", or HRHR. EDR's HRHR effort presents unique and sometimes proprietary data about past sites and operations that typically create environmental concerns, but may not show up in current government records searches.

Date of Government Version: N/A
Date Data Arrived at EDR: N/A
Date Made Active in Reports: N/A
Number of Days to Update: N/A

Source: EDR, Inc.
Telephone: N/A
Last EDR Contact: N/A
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

EDR RECOVERED GOVERNMENT ARCHIVES

Exclusive Recovered Govt. Archives

RGA LF: Recovered Government Archive Solid Waste Facilities List

The EDR Recovered Government Archive Landfill database provides a list of landfills derived from historical databases and includes many records that no longer appear in current government lists. Compiled from Records formerly available from the Department of Resources Recycling and Recovery in California.

Date of Government Version: N/A
Date Data Arrived at EDR: 07/01/2013
Date Made Active in Reports: 01/13/2014
Number of Days to Update: 196

Source: Department of Resources Recycling and Recovery
Telephone: N/A
Last EDR Contact: 06/01/2012
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

RGA LUST: Recovered Government Archive Leaking Underground Storage Tank

The EDR Recovered Government Archive Leaking Underground Storage Tank database provides a list of LUST incidents derived from historical databases and includes many records that no longer appear in current government lists. Compiled from Records formerly available from the State Water Resources Control Board in California.

Date of Government Version: N/A
Date Data Arrived at EDR: 07/01/2013
Date Made Active in Reports: 12/30/2013
Number of Days to Update: 182

Source: State Water Resources Control Board
Telephone: N/A
Last EDR Contact: 06/01/2012
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

COUNTY RECORDS

ALAMEDA COUNTY:

CS ALAMEDA: Contaminated Sites

A listing of contaminated sites overseen by the Toxic Release Program (oil and groundwater contamination from chemical releases and spills) and the Leaking Underground Storage Tank Program (soil and ground water contamination from leaking petroleum USTs).

Date of Government Version: 01/09/2019
Date Data Arrived at EDR: 01/11/2019
Date Made Active in Reports: 03/05/2019
Number of Days to Update: 53

Source: Alameda County Environmental Health Services
Telephone: 510-567-6700
Last EDR Contact: 06/30/2020
Next Scheduled EDR Contact: 10/19/2020
Data Release Frequency: Semi-Annually

UST ALAMEDA: Underground Tanks

Underground storage tank sites located in Alameda county.

Date of Government Version: 01/06/2020
Date Data Arrived at EDR: 01/07/2020
Date Made Active in Reports: 03/06/2020
Number of Days to Update: 59

Source: Alameda County Environmental Health Services
Telephone: 510-567-6700
Last EDR Contact: 06/30/2020
Next Scheduled EDR Contact: 10/19/2020
Data Release Frequency: Semi-Annually

AMADOR COUNTY:

CUPA AMADOR: CUPA Facility List
Cupa Facility List

Date of Government Version: 05/18/2020
Date Data Arrived at EDR: 05/19/2020
Date Made Active in Reports: 06/01/2020
Number of Days to Update: 13

Source: Amador County Environmental Health
Telephone: 209-223-6439
Last EDR Contact: 05/18/2020
Next Scheduled EDR Contact: 08/17/2020
Data Release Frequency: Varies

BUTTE COUNTY:

CUPA BUTTE: CUPA Facility Listing
Cupa facility list.

Date of Government Version: 04/21/2017
Date Data Arrived at EDR: 04/25/2017
Date Made Active in Reports: 08/09/2017
Number of Days to Update: 106

Source: Public Health Department
Telephone: 530-538-7149
Last EDR Contact: 06/30/2020
Next Scheduled EDR Contact: 10/19/2020
Data Release Frequency: No Update Planned

CALVERAS COUNTY:

CUPA CALVERAS: CUPA Facility Listing
Cupa Facility Listing

Date of Government Version: 03/27/2020
Date Data Arrived at EDR: 03/31/2020
Date Made Active in Reports: 06/15/2020
Number of Days to Update: 76

Source: Calveras County Environmental Health
Telephone: 209-754-6399
Last EDR Contact: 06/17/2020
Next Scheduled EDR Contact: 10/05/2020
Data Release Frequency: Quarterly

COLUSA COUNTY:

CUPA COLUSA: CUPA Facility List
Cupa facility list.

Date of Government Version: 03/02/2020
Date Data Arrived at EDR: 03/04/2020
Date Made Active in Reports: 06/01/2020
Number of Days to Update: 89

Source: Health & Human Services
Telephone: 530-458-0396
Last EDR Contact: 04/06/2020
Next Scheduled EDR Contact: 08/17/2020
Data Release Frequency: Semi-Annually

CONTRA COSTA COUNTY:

SL CONTRA COSTA: Site List
List includes sites from the underground tank, hazardous waste generator and business plan/2185 programs.

Date of Government Version: 02/14/2020
Date Data Arrived at EDR: 02/18/2020
Date Made Active in Reports: 04/24/2020
Number of Days to Update: 66

Source: Contra Costa Health Services Department
Telephone: 925-646-2286
Last EDR Contact: 04/16/2020
Next Scheduled EDR Contact: 08/10/2020
Data Release Frequency: Semi-Annually

DEL NORTE COUNTY:

CUPA DEL NORTE: CUPA Facility List
Cupa Facility list

Date of Government Version: 12/27/2019
Date Data Arrived at EDR: 01/28/2020
Date Made Active in Reports: 04/09/2020
Number of Days to Update: 72

Source: Del Norte County Environmental Health Division
Telephone: 707-465-0426
Last EDR Contact: 04/16/2020
Next Scheduled EDR Contact: 08/10/2020
Data Release Frequency: Varies

EL DORADO COUNTY:

CUPA EL DORADO: CUPA Facility List
CUPA facility list.

Date of Government Version: 12/31/2019
Date Data Arrived at EDR: 01/03/2020
Date Made Active in Reports: 03/05/2020
Number of Days to Update: 62

Source: El Dorado County Environmental Management Department
Telephone: 530-621-6623
Last EDR Contact: 05/06/2020
Next Scheduled EDR Contact: 08/10/2020
Data Release Frequency: Varies

FRESNO COUNTY:

CUPA FRESNO: CUPA Resources List
Certified Unified Program Agency. CUPA's are responsible for implementing a unified hazardous materials and hazardous waste management regulatory program. The agency provides oversight of businesses that deal with hazardous materials, operate underground storage tanks or aboveground storage tanks.

Date of Government Version: 01/10/2020
Date Data Arrived at EDR: 03/31/2020
Date Made Active in Reports: 06/15/2020
Number of Days to Update: 76

Source: Dept. of Community Health
Telephone: 559-445-3271
Last EDR Contact: 03/31/2020
Next Scheduled EDR Contact: 07/13/2020
Data Release Frequency: Semi-Annually

GLENN COUNTY:

CUPA GLENN: CUPA Facility List
Cupa facility list

Date of Government Version: 01/22/2018
Date Data Arrived at EDR: 01/24/2018
Date Made Active in Reports: 03/14/2018
Number of Days to Update: 49

Source: Glenn County Air Pollution Control District
Telephone: 830-934-6500
Last EDR Contact: 04/09/2020
Next Scheduled EDR Contact: 08/03/2020
Data Release Frequency: No Update Planned

HUMBOLDT COUNTY:

CUPA HUMBOLDT: CUPA Facility List
CUPA facility list.

Date of Government Version: 05/19/2020
Date Data Arrived at EDR: 05/20/2020
Date Made Active in Reports: 06/15/2020
Number of Days to Update: 26

Source: Humboldt County Environmental Health
Telephone: N/A
Last EDR Contact: 05/14/2020
Next Scheduled EDR Contact: 08/31/2020
Data Release Frequency: Semi-Annually

IMPERIAL COUNTY:

CUPA IMPERIAL: CUPA Facility List
Cupa facility list.

Date of Government Version: 01/21/2020
Date Data Arrived at EDR: 01/23/2020
Date Made Active in Reports: 03/30/2020
Number of Days to Update: 67

Source: San Diego Border Field Office
Telephone: 760-339-2777
Last EDR Contact: 04/09/2020
Next Scheduled EDR Contact: 08/03/2020
Data Release Frequency: Varies

INYO COUNTY:

CUPA INYO: CUPA Facility List
Cupa facility list.

Date of Government Version: 04/02/2018
Date Data Arrived at EDR: 04/03/2018
Date Made Active in Reports: 06/14/2018
Number of Days to Update: 72

Source: Inyo County Environmental Health Services
Telephone: 760-878-0238
Last EDR Contact: 05/07/2020
Next Scheduled EDR Contact: 08/31/2020
Data Release Frequency: Varies

KERN COUNTY:

UST KERN: Underground Storage Tank Sites & Tank Listing
Kern County Sites and Tanks Listing.

Date of Government Version: 01/31/2020
Date Data Arrived at EDR: 02/05/2020
Date Made Active in Reports: 04/15/2020
Number of Days to Update: 70

Source: Kern County Environment Health Services Department
Telephone: 661-862-8700
Last EDR Contact: 04/23/2020
Next Scheduled EDR Contact: 08/17/2020
Data Release Frequency: Quarterly

KINGS COUNTY:

CUPA KINGS: CUPA Facility List
A listing of sites included in the county's Certified Unified Program Agency database. California's Secretary for Environmental Protection established the unified hazardous materials and hazardous waste regulatory program as required by chapter 6.11 of the California Health and Safety Code. The Unified Program consolidates the administration, permits, inspections, and enforcement activities.

Date of Government Version: 02/13/2020
Date Data Arrived at EDR: 02/14/2020
Date Made Active in Reports: 04/24/2020
Number of Days to Update: 70

Source: Kings County Department of Public Health
Telephone: 559-584-1411
Last EDR Contact: 05/07/2020
Next Scheduled EDR Contact: 08/31/2020
Data Release Frequency: Varies

LAKE COUNTY:

CUPA LAKE: CUPA Facility List
Cupa facility list

Date of Government Version: 01/15/2020
Date Data Arrived at EDR: 01/16/2020
Date Made Active in Reports: 04/01/2020
Number of Days to Update: 76

Source: Lake County Environmental Health
Telephone: 707-263-1164
Last EDR Contact: 04/13/2020
Next Scheduled EDR Contact: 07/27/2020
Data Release Frequency: Varies

LASSEN COUNTY:

CUPA LASSEN: CUPA Facility List
Cupa facility list

Date of Government Version: 01/30/2020
Date Data Arrived at EDR: 01/31/2020
Date Made Active in Reports: 04/09/2020
Number of Days to Update: 69

Source: Lassen County Environmental Health
Telephone: 530-251-8528
Last EDR Contact: 04/09/2020
Next Scheduled EDR Contact: 08/03/2020
Data Release Frequency: Varies

LOS ANGELES COUNTY:

AOCONCERN: Key Areas of Concerns in Los Angeles County
San Gabriel Valley areas where VOC contamination is at or above the MCL as designated by region 9 EPA office. Date of Government Version: 3/30/2009 Exide Site area is a cleanup plan of lead-impacted soil surrounding the former Exide Facility as designated by the DTSC. Date of Government Version: 7/17/2017

Date of Government Version: 03/30/2009
Date Data Arrived at EDR: 03/31/2009
Date Made Active in Reports: 10/23/2009
Number of Days to Update: 206

Source: N/A
Telephone: N/A
Last EDR Contact: 06/10/2020
Next Scheduled EDR Contact: 09/28/2020
Data Release Frequency: No Update Planned

HMS LOS ANGELES: HMS: Street Number List
Industrial Waste and Underground Storage Tank Sites.

Date of Government Version: 03/26/2020
Date Data Arrived at EDR: 03/26/2020
Date Made Active in Reports: 06/15/2020
Number of Days to Update: 81

Source: Department of Public Works
Telephone: 626-458-3517
Last EDR Contact: 06/30/2020
Next Scheduled EDR Contact: 10/19/2020
Data Release Frequency: Semi-Annually

LF LOS ANGELES: List of Solid Waste Facilities
Solid Waste Facilities in Los Angeles County.

Date of Government Version: 01/13/2020
Date Data Arrived at EDR: 01/14/2020
Date Made Active in Reports: 03/24/2020
Number of Days to Update: 70

Source: La County Department of Public Works
Telephone: 818-458-5185
Last EDR Contact: 04/14/2020
Next Scheduled EDR Contact: 07/27/2020
Data Release Frequency: Varies

LF LOS ANGELES CITY: City of Los Angeles Landfills
Landfills owned and maintained by the City of Los Angeles.

Date of Government Version: 01/01/2019
Date Data Arrived at EDR: 01/15/2019
Date Made Active in Reports: 03/07/2019
Number of Days to Update: 51

Source: Engineering & Construction Division
Telephone: 213-473-7869
Last EDR Contact: 04/02/2020
Next Scheduled EDR Contact: 07/27/2020
Data Release Frequency: Varies

LOS ANGELES AST: Active & Inactive AST Inventory
A listing of active & inactive above ground petroleum storage tank site locations, located in the City of Los Angeles.

Date of Government Version: 06/01/2019
Date Data Arrived at EDR: 06/25/2019
Date Made Active in Reports: 08/22/2019
Number of Days to Update: 58

Source: Los Angeles Fire Department
Telephone: 213-978-3800
Last EDR Contact: 06/25/2020
Next Scheduled EDR Contact: 10/05/2020
Data Release Frequency: Varies

LOS ANGELES CO LF METHANE: Methane Producing Landfills

This data was created on April 30, 2012 to represent known disposal sites in Los Angeles County that may produce and emanate methane gas. The shapefile contains disposal sites within Los Angeles County that once accepted degradable refuse material. Information used to create this data was extracted from a landfill survey performed by County Engineers (Major Waste System Map, 1973) as well as historical records from CalRecycle, Regional Water Quality Control Board, and Los Angeles County Department of Public Health

Date of Government Version: 04/30/2012
Date Data Arrived at EDR: 04/17/2019
Date Made Active in Reports: 05/29/2019
Number of Days to Update: 42

Source: Los Angeles County Department of Public Works
Telephone: 626-458-6973
Last EDR Contact: 04/17/2020
Next Scheduled EDR Contact: 07/27/2020
Data Release Frequency: No Update Planned

LOS ANGELES HM: Active & Inactive Hazardous Materials Inventory

A listing of active & inactive hazardous materials facility locations, located in the City of Los Angeles.

Date of Government Version: 06/01/2019
Date Data Arrived at EDR: 06/25/2019
Date Made Active in Reports: 08/22/2019
Number of Days to Update: 58

Source: Los Angeles Fire Department
Telephone: 213-978-3800
Last EDR Contact: 06/25/2020
Next Scheduled EDR Contact: 10/05/2020
Data Release Frequency: Varies

LOS ANGELES UST: Active & Inactive UST Inventory

A listing of active & inactive underground storage tank site locations and underground storage tank historical sites, located in the City of Los Angeles.

Date of Government Version: 06/01/2019
Date Data Arrived at EDR: 06/25/2019
Date Made Active in Reports: 08/22/2019
Number of Days to Update: 58

Source: Los Angeles Fire Department
Telephone: 213-978-3800
Last EDR Contact: 06/25/2020
Next Scheduled EDR Contact: 10/05/2020
Data Release Frequency: Varies

SITE MIT LOS ANGELES: Site Mitigation List

Industrial sites that have had some sort of spill or complaint.

Date of Government Version: 12/31/2019
Date Data Arrived at EDR: 01/14/2020
Date Made Active in Reports: 03/24/2020
Number of Days to Update: 70

Source: Community Health Services
Telephone: 323-890-7806
Last EDR Contact: 04/14/2020
Next Scheduled EDR Contact: 07/27/2020
Data Release Frequency: Annually

UST EL SEGUNDO: City of El Segundo Underground Storage Tank

Underground storage tank sites located in El Segundo city.

Date of Government Version: 01/21/2017
Date Data Arrived at EDR: 04/19/2017
Date Made Active in Reports: 05/10/2017
Number of Days to Update: 21

Source: City of El Segundo Fire Department
Telephone: 310-524-2236
Last EDR Contact: 04/02/2020
Next Scheduled EDR Contact: 07/27/2020
Data Release Frequency: No Update Planned

UST LONG BEACH: City of Long Beach Underground Storage Tank

Underground storage tank sites located in the city of Long Beach.

Date of Government Version: 04/22/2019
Date Data Arrived at EDR: 04/23/2019
Date Made Active in Reports: 06/27/2019
Number of Days to Update: 65

Source: City of Long Beach Fire Department
Telephone: 562-570-2563
Last EDR Contact: 04/09/2020
Next Scheduled EDR Contact: 08/03/2020
Data Release Frequency: Varies

UST TORRANCE: City of Torrance Underground Storage Tank
Underground storage tank sites located in the city of Torrance.

Date of Government Version: 06/27/2019
Date Data Arrived at EDR: 07/30/2019
Date Made Active in Reports: 10/02/2019
Number of Days to Update: 64

Source: City of Torrance Fire Department
Telephone: 310-618-2973
Last EDR Contact: 04/09/2020
Next Scheduled EDR Contact: 08/03/2020
Data Release Frequency: Semi-Annually

MADERA COUNTY:

CUPA MADERA: CUPA Facility List
A listing of sites included in the county's Certified Unified Program Agency database. California's Secretary for Environmental Protection established the unified hazardous materials and hazardous waste regulatory program as required by chapter 6.11 of the California Health and Safety Code. The Unified Program consolidates the administration, permits, inspections, and enforcement activities.

Date of Government Version: 02/24/2020
Date Data Arrived at EDR: 02/25/2020
Date Made Active in Reports: 05/07/2020
Number of Days to Update: 72

Source: Madera County Environmental Health
Telephone: 559-675-7823
Last EDR Contact: 05/07/2020
Next Scheduled EDR Contact: 08/31/2020
Data Release Frequency: Varies

MARIN COUNTY:

UST MARIN: Underground Storage Tank Sites
Currently permitted USTs in Marin County.

Date of Government Version: 09/26/2018
Date Data Arrived at EDR: 10/04/2018
Date Made Active in Reports: 11/02/2018
Number of Days to Update: 29

Source: Public Works Department Waste Management
Telephone: 415-473-6647
Last EDR Contact: 06/24/2020
Next Scheduled EDR Contact: 10/12/2020
Data Release Frequency: Semi-Annually

MERCED COUNTY:

CUPA MERCED: CUPA Facility List
CUPA facility list.

Date of Government Version: 11/18/2019
Date Data Arrived at EDR: 11/20/2019
Date Made Active in Reports: 01/03/2020
Number of Days to Update: 44

Source: Merced County Environmental Health
Telephone: 209-381-1094
Last EDR Contact: 05/06/2020
Next Scheduled EDR Contact: 08/17/2020
Data Release Frequency: Varies

MONO COUNTY:

CUPA MONO: CUPA Facility List
CUPA Facility List

Date of Government Version: 02/21/2020
Date Data Arrived at EDR: 03/05/2020
Date Made Active in Reports: 05/13/2020
Number of Days to Update: 69

Source: Mono County Health Department
Telephone: 760-932-5580
Last EDR Contact: 05/15/2020
Next Scheduled EDR Contact: 09/07/2020
Data Release Frequency: Varies

MONTEREY COUNTY:

CUPA MONTEREY: CUPA Facility Listing
CUPA Program listing from the Environmental Health Division.

Date of Government Version: 11/06/2019
Date Data Arrived at EDR: 11/07/2019
Date Made Active in Reports: 01/08/2020
Number of Days to Update: 62

Source: Monterey County Health Department
Telephone: 831-796-1297
Last EDR Contact: 04/13/2020
Next Scheduled EDR Contact: 07/13/2020
Data Release Frequency: Varies

NAPA COUNTY:

LUST NAPA: Sites With Reported Contamination
A listing of leaking underground storage tank sites located in Napa county.

Date of Government Version: 01/09/2017
Date Data Arrived at EDR: 01/11/2017
Date Made Active in Reports: 03/02/2017
Number of Days to Update: 50

Source: Napa County Department of Environmental Management
Telephone: 707-253-4269
Last EDR Contact: 05/15/2020
Next Scheduled EDR Contact: 09/07/2020
Data Release Frequency: No Update Planned

UST NAPA: Closed and Operating Underground Storage Tank Sites
Underground storage tank sites located in Napa county.

Date of Government Version: 09/05/2019
Date Data Arrived at EDR: 09/09/2019
Date Made Active in Reports: 10/31/2019
Number of Days to Update: 52

Source: Napa County Department of Environmental Management
Telephone: 707-253-4269
Last EDR Contact: 05/15/2020
Next Scheduled EDR Contact: 09/07/2020
Data Release Frequency: No Update Planned

NEVADA COUNTY:

CUPA NEVADA: CUPA Facility List
CUPA facility list.

Date of Government Version: 02/05/2020
Date Data Arrived at EDR: 02/06/2020
Date Made Active in Reports: 04/15/2020
Number of Days to Update: 69

Source: Community Development Agency
Telephone: 530-265-1467
Last EDR Contact: 05/06/2020
Next Scheduled EDR Contact: 08/10/2020
Data Release Frequency: Varies

ORANGE COUNTY:

IND_SITE ORANGE: List of Industrial Site Cleanups
Petroleum and non-petroleum spills.

Date of Government Version: 01/02/2020
Date Data Arrived at EDR: 02/05/2020
Date Made Active in Reports: 04/15/2020
Number of Days to Update: 70

Source: Health Care Agency
Telephone: 714-834-3446
Last EDR Contact: 05/04/2020
Next Scheduled EDR Contact: 08/17/2020
Data Release Frequency: Annually

LUST ORANGE: List of Underground Storage Tank Cleanups
Orange County Underground Storage Tank Cleanups (LUST).

Date of Government Version: 01/02/2020
Date Data Arrived at EDR: 02/05/2020
Date Made Active in Reports: 04/15/2020
Number of Days to Update: 70

Source: Health Care Agency
Telephone: 714-834-3446
Last EDR Contact: 05/04/2020
Next Scheduled EDR Contact: 08/17/2020
Data Release Frequency: Quarterly

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

UST ORANGE: List of Underground Storage Tank Facilities
Orange County Underground Storage Tank Facilities (UST).

Date of Government Version: 01/02/2020
Date Data Arrived at EDR: 02/04/2020
Date Made Active in Reports: 04/10/2020
Number of Days to Update: 66

Source: Health Care Agency
Telephone: 714-834-3446
Last EDR Contact: 05/05/2020
Next Scheduled EDR Contact: 08/17/2020
Data Release Frequency: Quarterly

PLACER COUNTY:

MS PLACER: Master List of Facilities
List includes aboveground tanks, underground tanks and cleanup sites.

Date of Government Version: 03/02/2020
Date Data Arrived at EDR: 03/03/2020
Date Made Active in Reports: 05/13/2020
Number of Days to Update: 71

Source: Placer County Health and Human Services
Telephone: 530-745-2363
Last EDR Contact: 05/27/2020
Next Scheduled EDR Contact: 09/14/2020
Data Release Frequency: Semi-Annually

PLUMAS COUNTY:

CUPA PLUMAS: CUPA Facility List
Plumas County CUPA Program facilities.

Date of Government Version: 03/31/2019
Date Data Arrived at EDR: 04/23/2019
Date Made Active in Reports: 06/26/2019
Number of Days to Update: 64

Source: Plumas County Environmental Health
Telephone: 530-283-6355
Last EDR Contact: 04/09/2020
Next Scheduled EDR Contact: 08/03/2020
Data Release Frequency: Varies

RIVERSIDE COUNTY:

LUST RIVERSIDE: Listing of Underground Tank Cleanup Sites
Riverside County Underground Storage Tank Cleanup Sites (LUST).

Date of Government Version: 03/10/2020
Date Data Arrived at EDR: 03/11/2020
Date Made Active in Reports: 05/20/2020
Number of Days to Update: 70

Source: Department of Environmental Health
Telephone: 951-358-5055
Last EDR Contact: 02/10/2020
Next Scheduled EDR Contact: 09/28/2020
Data Release Frequency: Quarterly

UST RIVERSIDE: Underground Storage Tank Tank List
Underground storage tank sites located in Riverside county.

Date of Government Version: 03/10/2020
Date Data Arrived at EDR: 03/11/2020
Date Made Active in Reports: 05/20/2020
Number of Days to Update: 70

Source: Department of Environmental Health
Telephone: 951-358-5055
Last EDR Contact: 06/10/2020
Next Scheduled EDR Contact: 09/28/2020
Data Release Frequency: Quarterly

SACRAMENTO COUNTY:

CS SACRAMENTO: Toxic Site Clean-Up List
List of sites where unauthorized releases of potentially hazardous materials have occurred.

Date of Government Version: 02/18/2020
Date Data Arrived at EDR: 03/31/2020
Date Made Active in Reports: 06/15/2020
Number of Days to Update: 76

Source: Sacramento County Environmental Management
Telephone: 916-875-8406
Last EDR Contact: 03/31/2020
Next Scheduled EDR Contact: 07/13/2020
Data Release Frequency: Quarterly

ML SACRAMENTO: Master Hazardous Materials Facility List

Any business that has hazardous materials on site - hazardous material storage sites, underground storage tanks, waste generators.

Date of Government Version: 02/24/2020
Date Data Arrived at EDR: 03/31/2020
Date Made Active in Reports: 06/17/2020
Number of Days to Update: 78

Source: Sacramento County Environmental Management
Telephone: 916-875-8406
Last EDR Contact: 03/31/2020
Next Scheduled EDR Contact: 07/13/2020
Data Release Frequency: Quarterly

SAN BENITO COUNTY:

CUPA SAN BENITO: CUPA Facility List

Cupa facility list

Date of Government Version: 02/12/2020
Date Data Arrived at EDR: 02/13/2020
Date Made Active in Reports: 04/23/2020
Number of Days to Update: 70

Source: San Benito County Environmental Health
Telephone: N/A
Last EDR Contact: 04/23/2020
Next Scheduled EDR Contact: 08/17/2020
Data Release Frequency: Varies

SAN BERNARDINO COUNTY:

PERMITS SAN BERNARDINO: Hazardous Material Permits

This listing includes underground storage tanks, medical waste handlers/generators, hazardous materials handlers, hazardous waste generators, and waste oil generators/handlers.

Date of Government Version: 02/25/2020
Date Data Arrived at EDR: 02/26/2020
Date Made Active in Reports: 05/07/2020
Number of Days to Update: 71

Source: San Bernardino County Fire Department Hazardous Materials Division
Telephone: 909-387-3041
Last EDR Contact: 04/23/2020
Next Scheduled EDR Contact: 08/17/2020
Data Release Frequency: Quarterly

SAN DIEGO COUNTY:

HMMD SAN DIEGO: Hazardous Materials Management Division Database

The database includes: HE58 - This report contains the business name, site address, business phone number, establishment 'H' permit number, type of permit, and the business status. HE17 - In addition to providing the same information provided in the HE58 listing, HE17 provides inspection dates, violations received by the establishment, hazardous waste generated, the quantity, method of storage, treatment/disposal of waste and the hauler, and information on underground storage tanks. Unauthorized Release List - Includes a summary of environmental contamination cases in San Diego County (underground tank cases, non-tank cases, groundwater contamination, and soil contamination are included.)

Date of Government Version: 03/02/2020
Date Data Arrived at EDR: 03/03/2020
Date Made Active in Reports: 05/13/2020
Number of Days to Update: 71

Source: Hazardous Materials Management Division
Telephone: 619-338-2268
Last EDR Contact: 06/02/2020
Next Scheduled EDR Contact: 09/14/2020
Data Release Frequency: Quarterly

LF SAN DIEGO: Solid Waste Facilities
San Diego County Solid Waste Facilities.

Date of Government Version: 04/18/2018
Date Data Arrived at EDR: 04/24/2018
Date Made Active in Reports: 06/19/2018
Number of Days to Update: 56
Source: Department of Health Services
Telephone: 619-338-2209
Last EDR Contact: 04/09/2020
Next Scheduled EDR Contact: 08/03/2020
Data Release Frequency: Varies

SAN DIEGO CO LOP: Local Oversight Program Listing
A listing of all LOP release sites that are or were under the County of San Diego's jurisdiction. Included are closed or transferred cases, open cases, and cases that did not have a case type indicated. The cases without a case type are mostly complaints; however, some of them could be LOP cases.

Date of Government Version: 04/09/2020
Date Data Arrived at EDR: 04/10/2020
Date Made Active in Reports: 06/26/2020
Number of Days to Update: 77
Source: Department of Environmental Health
Telephone: 858-505-6874
Last EDR Contact: 04/09/2020
Next Scheduled EDR Contact: 08/03/2020
Data Release Frequency: Varies

SAN DIEGO CO SAM: Environmental Case Listing
The listing contains all underground tank release cases and projects pertaining to properties contaminated with hazardous substances that are actively under review by the Site Assessment and Mitigation Program.

Date of Government Version: 03/23/2010
Date Data Arrived at EDR: 06/15/2010
Date Made Active in Reports: 07/09/2010
Number of Days to Update: 24
Source: San Diego County Department of Environmental Health
Telephone: 619-338-2371
Last EDR Contact: 05/27/2020
Next Scheduled EDR Contact: 09/14/2020
Data Release Frequency: No Update Planned

SAN FRANCISCO COUNTY:

LUST SAN FRANCISCO: Local Oversite Facilities
A listing of leaking underground storage tank sites located in San Francisco county.

Date of Government Version: 09/19/2008
Date Data Arrived at EDR: 09/19/2008
Date Made Active in Reports: 09/29/2008
Number of Days to Update: 10
Source: Department Of Public Health San Francisco County
Telephone: 415-252-3920
Last EDR Contact: 04/23/2020
Next Scheduled EDR Contact: 08/17/2020
Data Release Frequency: No Update Planned

UST SAN FRANCISCO: Underground Storage Tank Information
Underground storage tank sites located in San Francisco county.

Date of Government Version: 01/08/2020
Date Data Arrived at EDR: 01/09/2020
Date Made Active in Reports: 03/06/2020
Number of Days to Update: 57
Source: Department of Public Health
Telephone: 415-252-3920
Last EDR Contact: 04/23/2020
Next Scheduled EDR Contact: 08/17/2020
Data Release Frequency: Quarterly

SAN JOAQUIN COUNTY:

UST SAN JOAQUIN: San Joaquin Co. UST
A listing of underground storage tank locations in San Joaquin county.

Date of Government Version: 06/22/2018
Date Data Arrived at EDR: 06/26/2018
Date Made Active in Reports: 07/11/2018
Number of Days to Update: 15
Source: Environmental Health Department
Telephone: N/A
Last EDR Contact: 06/10/2020
Next Scheduled EDR Contact: 09/28/2020
Data Release Frequency: Semi-Annually

SAN LUIS OBISPO COUNTY:

CUPA SAN LUIS OBISPO: CUPA Facility List
Cupa Facility List.

Date of Government Version: 02/18/2020
Date Data Arrived at EDR: 02/20/2020
Date Made Active in Reports: 04/24/2020
Number of Days to Update: 64

Source: San Luis Obispo County Public Health Department
Telephone: 805-781-5596
Last EDR Contact: 05/07/2020
Next Scheduled EDR Contact: 08/31/2020
Data Release Frequency: Varies

SAN MATEO COUNTY:

BI SAN MATEO: Business Inventory
List includes Hazardous Materials Business Plan, hazardous waste generators, and underground storage tanks.

Date of Government Version: 02/20/2020
Date Data Arrived at EDR: 02/20/2020
Date Made Active in Reports: 04/24/2020
Number of Days to Update: 64

Source: San Mateo County Environmental Health Services Division
Telephone: 650-363-1921
Last EDR Contact: 06/12/2020
Next Scheduled EDR Contact: 09/21/2020
Data Release Frequency: Annually

LUST SAN MATEO: Fuel Leak List
A listing of leaking underground storage tank sites located in San Mateo county.

Date of Government Version: 03/29/2019
Date Data Arrived at EDR: 03/29/2019
Date Made Active in Reports: 05/29/2019
Number of Days to Update: 61

Source: San Mateo County Environmental Health Services Division
Telephone: 650-363-1921
Last EDR Contact: 06/03/2020
Next Scheduled EDR Contact: 09/21/2020
Data Release Frequency: Semi-Annually

SANTA BARBARA COUNTY:

CUPA SANTA BARBARA: CUPA Facility Listing
CUPA Program Listing from the Environmental Health Services division.

Date of Government Version: 09/08/2011
Date Data Arrived at EDR: 09/09/2011
Date Made Active in Reports: 10/07/2011
Number of Days to Update: 28

Source: Santa Barbara County Public Health Department
Telephone: 805-686-8167
Last EDR Contact: 05/07/2020
Next Scheduled EDR Contact: 08/31/2020
Data Release Frequency: No Update Planned

SANTA CLARA COUNTY:

CUPA SANTA CLARA: Cupa Facility List
Cupa facility list

Date of Government Version: 02/14/2020
Date Data Arrived at EDR: 02/19/2020
Date Made Active in Reports: 04/24/2020
Number of Days to Update: 65

Source: Department of Environmental Health
Telephone: 408-918-1973
Last EDR Contact: 05/07/2020
Next Scheduled EDR Contact: 08/31/2020
Data Release Frequency: Varies

HIST LUST SANTA CLARA: HIST LUST - Fuel Leak Site Activity Report
A listing of open and closed leaking underground storage tanks. This listing is no longer updated by the county. Leaking underground storage tanks are now handled by the Department of Environmental Health.

Date of Government Version: 03/29/2005
Date Data Arrived at EDR: 03/30/2005
Date Made Active in Reports: 04/21/2005
Number of Days to Update: 22

Source: Santa Clara Valley Water District
Telephone: 408-265-2600
Last EDR Contact: 03/23/2009
Next Scheduled EDR Contact: 06/22/2009
Data Release Frequency: No Update Planned

LUST SANTA CLARA: LOP Listing
A listing of leaking underground storage tanks located in Santa Clara county.

Date of Government Version: 03/03/2014
Date Data Arrived at EDR: 03/05/2014
Date Made Active in Reports: 03/18/2014
Number of Days to Update: 13
Source: Department of Environmental Health
Telephone: 408-918-3417
Last EDR Contact: 05/15/2020
Next Scheduled EDR Contact: 09/07/2020
Data Release Frequency: No Update Planned

SAN JOSE HAZMAT: Hazardous Material Facilities
Hazardous material facilities, including underground storage tank sites.

Date of Government Version: 04/22/2020
Date Data Arrived at EDR: 04/24/2020
Date Made Active in Reports: 05/07/2020
Number of Days to Update: 13
Source: City of San Jose Fire Department
Telephone: 408-535-7694
Last EDR Contact: 04/23/2020
Next Scheduled EDR Contact: 08/17/2020
Data Release Frequency: Annually

SANTA CRUZ COUNTY:

CUPA SANTA CRUZ: CUPA Facility List
CUPA facility listing.

Date of Government Version: 01/21/2017
Date Data Arrived at EDR: 02/22/2017
Date Made Active in Reports: 05/23/2017
Number of Days to Update: 90
Source: Santa Cruz County Environmental Health
Telephone: 831-464-2761
Last EDR Contact: 05/07/2020
Next Scheduled EDR Contact: 08/31/2020
Data Release Frequency: Varies

SHASTA COUNTY:

CUPA SHASTA: CUPA Facility List
Cupa Facility List.

Date of Government Version: 06/15/2017
Date Data Arrived at EDR: 06/19/2017
Date Made Active in Reports: 08/09/2017
Number of Days to Update: 51
Source: Shasta County Department of Resource Management
Telephone: 530-225-5789
Last EDR Contact: 05/07/2020
Next Scheduled EDR Contact: 08/31/2020
Data Release Frequency: Varies

SOLANO COUNTY:

LUST SOLANO: Leaking Underground Storage Tanks
A listing of leaking underground storage tank sites located in Solano county.

Date of Government Version: 06/04/2019
Date Data Arrived at EDR: 06/06/2019
Date Made Active in Reports: 08/13/2019
Number of Days to Update: 68
Source: Solano County Department of Environmental Management
Telephone: 707-784-6770
Last EDR Contact: 05/26/2020
Next Scheduled EDR Contact: 09/13/2020
Data Release Frequency: Quarterly

UST SOLANO: Underground Storage Tanks
Underground storage tank sites located in Solano county.

Date of Government Version: 03/02/2020
Date Data Arrived at EDR: 03/04/2020
Date Made Active in Reports: 05/14/2020
Number of Days to Update: 71
Source: Solano County Department of Environmental Management
Telephone: 707-784-6770
Last EDR Contact: 06/23/2020
Next Scheduled EDR Contact: 09/14/2020
Data Release Frequency: Quarterly

SONOMA COUNTY:

CUPA SONOMA: Cupa Facility List
Cupa Facility list

Date of Government Version: 02/25/2020
Date Data Arrived at EDR: 02/26/2020
Date Made Active in Reports: 03/11/2020
Number of Days to Update: 14

Source: County of Sonoma Fire & Emergency Services Department
Telephone: 707-565-1174
Last EDR Contact: 06/30/2020
Next Scheduled EDR Contact: 10/05/2020
Data Release Frequency: Varies

LUST SONOMA: Leaking Underground Storage Tank Sites
A listing of leaking underground storage tank sites located in Sonoma county.

Date of Government Version: 04/03/2020
Date Data Arrived at EDR: 04/08/2020
Date Made Active in Reports: 06/26/2020
Number of Days to Update: 79

Source: Department of Health Services
Telephone: 707-565-6565
Last EDR Contact: 06/17/2020
Next Scheduled EDR Contact: 10/05/2020
Data Release Frequency: Quarterly

STANISLAUS COUNTY:

CUPA STANISLAUS: CUPA Facility List
Cupa facility list

Date of Government Version: 02/04/2020
Date Data Arrived at EDR: 02/05/2020
Date Made Active in Reports: 04/15/2020
Number of Days to Update: 70

Source: Stanislaus County Department of Ennvironmental Protection
Telephone: 209-525-6751
Last EDR Contact: 04/02/2020
Next Scheduled EDR Contact: 07/27/2020
Data Release Frequency: Varies

SUTTER COUNTY:

UST SUTTER: Underground Storage Tanks
Underground storage tank sites located in Sutter county.

Date of Government Version: 01/23/2020
Date Data Arrived at EDR: 03/03/2020
Date Made Active in Reports: 05/08/2020
Number of Days to Update: 66

Source: Sutter County Environmental Health Services
Telephone: 530-822-7500
Last EDR Contact: 05/27/2020
Next Scheduled EDR Contact: 09/14/2020
Data Release Frequency: Semi-Annually

TEHAMA COUNTY:

CUPA TEHAMA: CUPA Facility List
Cupa facilities

Date of Government Version: 03/16/2020
Date Data Arrived at EDR: 03/17/2020
Date Made Active in Reports: 05/26/2020
Number of Days to Update: 70

Source: Tehama County Department of Environmental Health
Telephone: 530-527-8020
Last EDR Contact: 05/14/2020
Next Scheduled EDR Contact: 08/17/2020
Data Release Frequency: Varies

TRINITY COUNTY:

CUPA TRINITY: CUPA Facility List
Cupa facility list

Date of Government Version: 01/21/2020
Date Data Arrived at EDR: 01/23/2020
Date Made Active in Reports: 03/30/2020
Number of Days to Update: 67

Source: Department of Toxic Substances Control
Telephone: 760-352-0381
Last EDR Contact: 04/09/2020
Next Scheduled EDR Contact: 08/03/2020
Data Release Frequency: Varies

TULARE COUNTY:

CUPA TULARE: CUPA Facility List
Cupa program facilities

Date of Government Version: 02/10/2020
Date Data Arrived at EDR: 02/11/2020
Date Made Active in Reports: 04/20/2020
Number of Days to Update: 69

Source: Tulare County Environmental Health Services Division
Telephone: 559-624-7400
Last EDR Contact: 05/14/2020
Next Scheduled EDR Contact: 08/17/2020
Data Release Frequency: Varies

TUOLUMNE COUNTY:

CUPA TUOLUMNE: CUPA Facility List
Cupa facility list

Date of Government Version: 04/23/2018
Date Data Arrived at EDR: 04/25/2018
Date Made Active in Reports: 06/25/2018
Number of Days to Update: 61

Source: Divison of Environmental Health
Telephone: 209-533-5633
Last EDR Contact: 04/09/2020
Next Scheduled EDR Contact: 08/03/2020
Data Release Frequency: Varies

VENTURA COUNTY:

BWT VENTURA: Business Plan, Hazardous Waste Producers, and Operating Underground Tanks
The BWT list indicates by site address whether the Environmental Health Division has Business Plan (B), Waste Producer (W), and/or Underground Tank (T) information.

Date of Government Version: 12/26/2019
Date Data Arrived at EDR: 01/24/2020
Date Made Active in Reports: 04/01/2020
Number of Days to Update: 68

Source: Ventura County Environmental Health Division
Telephone: 805-654-2813
Last EDR Contact: 04/20/2020
Next Scheduled EDR Contact: 08/03/2020
Data Release Frequency: Quarterly

LF VENTURA: Inventory of Illegal Abandoned and Inactive Sites
Ventura County Inventory of Closed, Illegal Abandoned, and Inactive Sites.

Date of Government Version: 12/01/2011
Date Data Arrived at EDR: 12/01/2011
Date Made Active in Reports: 01/19/2012
Number of Days to Update: 49

Source: Environmental Health Division
Telephone: 805-654-2813
Last EDR Contact: 06/24/2020
Next Scheduled EDR Contact: 10/12/2020
Data Release Frequency: No Update Planned

LUST VENTURA: Listing of Underground Tank Cleanup Sites
Ventura County Underground Storage Tank Cleanup Sites (LUST).

Date of Government Version: 05/29/2008
Date Data Arrived at EDR: 06/24/2008
Date Made Active in Reports: 07/31/2008
Number of Days to Update: 37

Source: Environmental Health Division
Telephone: 805-654-2813
Last EDR Contact: 04/29/2020
Next Scheduled EDR Contact: 08/24/2020
Data Release Frequency: No Update Planned

MED WASTE VENTURA: Medical Waste Program List
To protect public health and safety and the environment from potential exposure to disease causing agents, the Environmental Health Division Medical Waste Program regulates the generation, handling, storage, treatment and disposal of medical waste throughout the County.

Date of Government Version: 12/26/2019
Date Data Arrived at EDR: 01/24/2020
Date Made Active in Reports: 04/01/2020
Number of Days to Update: 68
Source: Ventura County Resource Management Agency
Telephone: 805-654-2813
Last EDR Contact: 04/20/2020
Next Scheduled EDR Contact: 08/03/2020
Data Release Frequency: Quarterly

UST VENTURA: Underground Tank Closed Sites List
Ventura County Operating Underground Storage Tank Sites (UST)/Underground Tank Closed Sites List.

Date of Government Version: 01/27/2020
Date Data Arrived at EDR: 03/10/2020
Date Made Active in Reports: 05/20/2020
Number of Days to Update: 71
Source: Environmental Health Division
Telephone: 805-654-2813
Last EDR Contact: 06/09/2020
Next Scheduled EDR Contact: 09/21/2020
Data Release Frequency: Quarterly

YOLO COUNTY:

UST YOLO: Underground Storage Tank Comprehensive Facility Report
Underground storage tank sites located in Yolo county.

Date of Government Version: 03/23/2020
Date Data Arrived at EDR: 04/01/2020
Date Made Active in Reports: 06/17/2020
Number of Days to Update: 77
Source: Yolo County Department of Health
Telephone: 530-666-8646
Last EDR Contact: 06/24/2020
Next Scheduled EDR Contact: 10/12/2020
Data Release Frequency: Annually

YUBA COUNTY:

CUPA YUBA: CUPA Facility List
CUPA facility listing for Yuba County.

Date of Government Version: 01/27/2020
Date Data Arrived at EDR: 02/12/2020
Date Made Active in Reports: 04/23/2020
Number of Days to Update: 71
Source: Yuba County Environmental Health Department
Telephone: 530-749-7523
Last EDR Contact: 04/16/2020
Next Scheduled EDR Contact: 08/10/2020
Data Release Frequency: Varies

OTHER DATABASE(S)

Depending on the geographic area covered by this report, the data provided in these specialty databases may or may not be complete. For example, the existence of wetlands information data in a specific report does not mean that all wetlands in the area covered by the report are included. Moreover, the absence of any reported wetlands information does not necessarily mean that wetlands do not exist in the area covered by the report.

CT MANIFEST: Hazardous Waste Manifest Data
Facility and manifest data. Manifest is a document that lists and tracks hazardous waste from the generator through transporters to a tsd facility.

Date of Government Version: 01/30/2020
Date Data Arrived at EDR: 01/30/2020
Date Made Active in Reports: 03/09/2020
Number of Days to Update: 39
Source: Department of Energy & Environmental Protection
Telephone: 860-424-3375
Last EDR Contact: 05/12/2020
Next Scheduled EDR Contact: 08/24/2020
Data Release Frequency: No Update Planned

NJ MANIFEST: Manifest Information
Hazardous waste manifest information.

Date of Government Version: 12/31/2018
Date Data Arrived at EDR: 04/10/2019
Date Made Active in Reports: 05/16/2019
Number of Days to Update: 36

Source: Department of Environmental Protection
Telephone: N/A
Last EDR Contact: 04/10/2020
Next Scheduled EDR Contact: 07/20/2020
Data Release Frequency: Annually

NY MANIFEST: Facility and Manifest Data
Manifest is a document that lists and tracks hazardous waste from the generator through transporters to a TSD facility.

Date of Government Version: 01/01/2019
Date Data Arrived at EDR: 05/01/2019
Date Made Active in Reports: 06/21/2019
Number of Days to Update: 51

Source: Department of Environmental Conservation
Telephone: 518-402-8651
Last EDR Contact: 04/29/2020
Next Scheduled EDR Contact: 08/10/2020
Data Release Frequency: Quarterly

PA MANIFEST: Manifest Information
Hazardous waste manifest information.

Date of Government Version: 06/30/2018
Date Data Arrived at EDR: 07/19/2019
Date Made Active in Reports: 09/10/2019
Number of Days to Update: 53

Source: Department of Environmental Protection
Telephone: 717-783-8990
Last EDR Contact: 04/02/2020
Next Scheduled EDR Contact: 07/27/2020
Data Release Frequency: Annually

RI MANIFEST: Manifest information
Hazardous waste manifest information

Date of Government Version: 12/31/2018
Date Data Arrived at EDR: 10/02/2019
Date Made Active in Reports: 12/10/2019
Number of Days to Update: 69

Source: Department of Environmental Management
Telephone: 401-222-2797
Last EDR Contact: 05/14/2020
Next Scheduled EDR Contact: 08/31/2020
Data Release Frequency: Annually

WI MANIFEST: Manifest Information
Hazardous waste manifest information.

Date of Government Version: 05/31/2018
Date Data Arrived at EDR: 06/19/2019
Date Made Active in Reports: 09/03/2019
Number of Days to Update: 76

Source: Department of Natural Resources
Telephone: N/A
Last EDR Contact: 06/04/2020
Next Scheduled EDR Contact: 09/21/2020
Data Release Frequency: Annually

Oil/Gas Pipelines
Source: Endeavor Business Media
Petroleum Bundle (Crude Oil, Refined Products, Petrochemicals, Gas Liquids (LPG/NGL), and Specialty Gases (Miscellaneous)) N = Natural Gas Bundle (Natural Gas, Gas Liquids (LPG/NGL), and Specialty Gases (Miscellaneous)). This map includes information copyrighted by Endeavor Business Media. This information is provided on a best effort basis and Endeavor Business Media does not guarantee its accuracy nor warrant its fitness for any particular purpose. Such information has been reprinted with the permission of Endeavor Business Media.

Electric Power Transmission Line Data
Source: Endeavor Business Media
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Sensitive Receptors: There are individuals deemed sensitive receptors due to their fragile immune systems and special sensitivity to environmental discharges. These sensitive receptors typically include the elderly, the sick, and children. While the location of all sensitive receptors cannot be determined, EDR indicates those buildings and facilities - schools, daycares, hospitals, medical centers, and nursing homes - where individuals who are sensitive receptors are likely to be located.

AHA Hospitals:
Source: American Hospital Association, Inc.
Telephone: 312-280-5991
The database includes a listing of hospitals based on the American Hospital Association's annual survey of hospitals.

Medical Centers: Provider of Services Listing
Source: Centers for Medicare & Medicaid Services
Telephone: 410-786-3000
A listing of hospitals with Medicare provider number, produced by Centers of Medicare & Medicaid Services, a federal agency within the U.S. Department of Health and Human Services.

Nursing Homes
Source: National Institutes of Health
Telephone: 301-594-6248
Information on Medicare and Medicaid certified nursing homes in the United States.

Public Schools
Source: National Center for Education Statistics
Telephone: 202-502-7300
The National Center for Education Statistics' primary database on elementary and secondary public education in the United States. It is a comprehensive, annual, national statistical database of all public elementary and secondary schools and school districts, which contains data that are comparable across all states.

Private Schools
Source: National Center for Education Statistics
Telephone: 202-502-7300
The National Center for Education Statistics' primary database on private school locations in the United States.

Daycare Centers: Licensed Facilities
Source: Department of Social Services
Telephone: 916-657-4041

Flood Zone Data: This data was obtained from the Federal Emergency Management Agency (FEMA). It depicts 100-year and 500-year flood zones as defined by FEMA. It includes the National Flood Hazard Layer (NFHL) which incorporates Flood Insurance Rate Map (FIRM) data and Q3 data from FEMA in areas not covered by NFHL.
Source: FEMA
Telephone: 877-336-2627
Date of Government Version: 2003, 2015

NWI: National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002, 2005 and 2010 from the U.S. Fish and Wildlife Service.

State Wetlands Data: Wetland Inventory
Source: Department of Fish and Wildlife
Telephone: 916-445-0411

Current USGS 7.5 Minute Topographic Map
Source: U.S. Geological Survey

STREET AND ADDRESS INFORMATION

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GEOCHECK ®- PHYSICAL SETTING SOURCE ADDENDUM

TARGET PROPERTY ADDRESS

KINGS COUNTY FIRE STATION
7622 HOUSTON AVE
HANFORD, CA 93230

TARGET PROPERTY COORDINATES

Latitude (North):	36.302135 - 36° 18' 7.69''
Longitude (West):	119.596231 - 119° 35' 46.43''
Universal Tranverse Mercator:	Zone 11
UTM X (Meters):	266874.0
UTM Y (Meters):	4020387.5
Elevation:	245 ft. above sea level

USGS TOPOGRAPHIC MAP

Target Property Map:	5603206 REMNOY, CA
Version Date:	2012

EDR's GeoCheck Physical Setting Source Addendum is provided to assist the environmental professional in forming an opinion about the impact of potential contaminant migration.

Assessment of the impact of contaminant migration generally has two principle investigative components:

1. Groundwater flow direction, and
2. Groundwater flow velocity.

Groundwater flow direction may be impacted by surface topography, hydrology, hydrogeology, characteristics of the soil, and nearby wells. Groundwater flow velocity is generally impacted by the nature of the geologic strata.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

GROUNDWATER FLOW DIRECTION INFORMATION

Groundwater flow direction for a particular site is best determined by a qualified environmental professional using site-specific well data. If such data is not reasonably ascertainable, it may be necessary to rely on other sources of information, such as surface topographic information, hydrologic information, hydrogeologic data collected on nearby properties, and regional groundwater flow information (from deep aquifers).

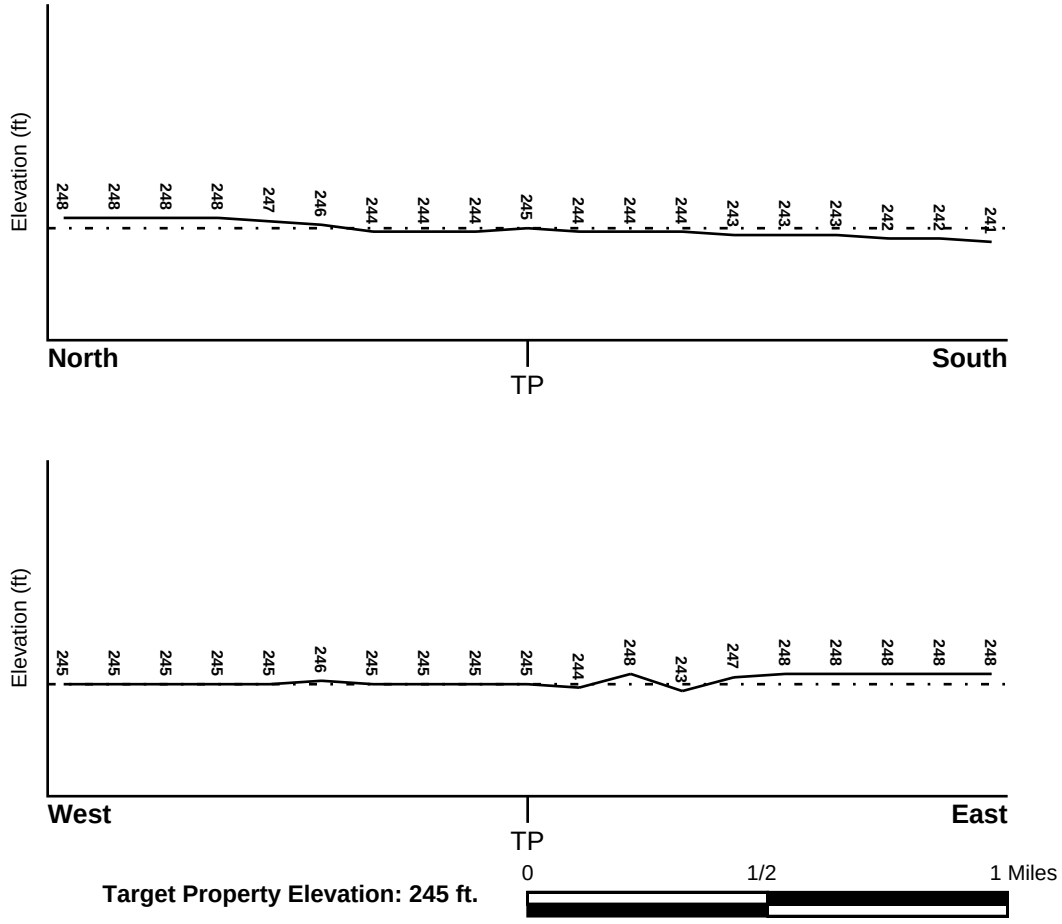
TOPOGRAPHIC INFORMATION

Surface topography may be indicative of the direction of surficial groundwater flow. This information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

TARGET PROPERTY TOPOGRAPHY

General Topographic Gradient: General NW

SURROUNDING TOPOGRAPHY: ELEVATION PROFILES



Source: Topography has been determined from the USGS 7.5' Digital Elevation Model and should be evaluated on a relative (not an absolute) basis. Relative elevation information between sites of close proximity should be field verified.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

HYDROLOGIC INFORMATION

Surface water can act as a hydrologic barrier to groundwater flow. Such hydrologic information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

Refer to the Physical Setting Source Map following this summary for hydrologic information (major waterways and bodies of water).

FEMA FLOOD ZONE

Flood Plain Panel at Target Property	FEMA Source Type
06031C0225C	FEMA FIRM Flood data

Additional Panels in search area:	FEMA Source Type
0600860075B	FEMA Q3 Flood data

NATIONAL WETLAND INVENTORY

NWI Quad at Target Property	NWI Electronic Data Coverage
REMNOY	YES - refer to the Overview Map and Detail Map

HYDROGEOLOGIC INFORMATION

Hydrogeologic information obtained by installation of wells on a specific site can often be an indicator of groundwater flow direction in the immediate area. Such hydrogeologic information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

Site-Specific Hydrogeological Data*:

Search Radius:	1.25 miles
Status:	Not found

AQUIFLOW®

Search Radius: 1.000 Mile.

EDR has developed the AQUIFLOW Information System to provide data on the general direction of groundwater flow at specific points. EDR has reviewed reports submitted by environmental professionals to regulatory authorities at select sites and has extracted the date of the report, groundwater flow direction as determined hydrogeologically, and the depth to water table.

MAP ID	LOCATION FROM TP	GENERAL DIRECTION GROUNDWATER FLOW
Not Reported		

* ©1996 Site−specific hydrogeological data gathered by CERCLIS Alerts, Inc., Bainbridge Island, WA. All rights reserved. All of the information and opinions presented are those of the cited EPA report(s), which were completed under a Comprehensive Environmental Response Compensation and Liability Information System (CERCLIS) investigation.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

GROUNDWATER FLOW VELOCITY INFORMATION

Groundwater flow velocity information for a particular site is best determined by a qualified environmental professional using site specific geologic and soil strata data. If such data are not reasonably ascertainable, it may be necessary to rely on other sources of information, including geologic age identification, rock stratigraphic unit and soil characteristics data collected on nearby properties and regional soil information. In general, contaminant plumes move more quickly through sandy-gravelly types of soils than silty-clayey types of soils.

GEOLOGIC INFORMATION IN GENERAL AREA OF TARGET PROPERTY

Geologic information can be used by the environmental professional in forming an opinion about the relative speed at which contaminant migration may be occurring.

ROCK STRATIGRAPHIC UNIT

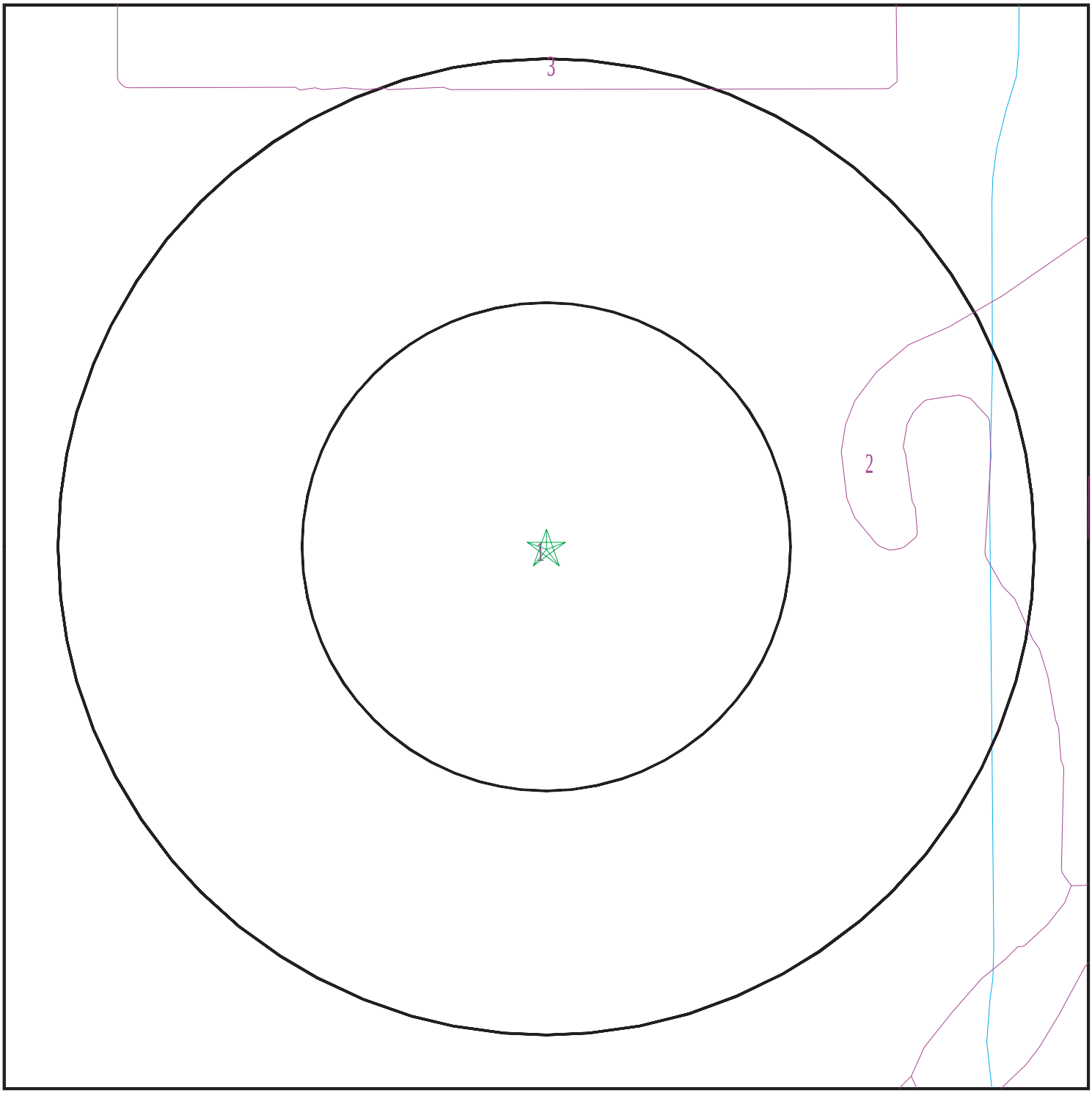
Era:	Cenozoic
System:	Quaternary
Series:	Quaternary
Code:	Q *(decoded above as Era, System & Series)*

GEOLOGIC AGE IDENTIFICATION

Category: Stratifed Sequence

Geologic Age and Rock Stratigraphic Unit Source: P.G. Schruben, R.E. Arndt and W.J. Bawiec, Geology of the Conterminous U.S. at 1:2,500,000 Scale - a digital representation of the 1974 P.B. King and H.M. Beikman Map, USGS Digital Data Series DDS - 11 (1994).

SSURGO SOIL MAP - 6108676.2s



Target Property
SSURGO Soil
Water

0 1/16 1/8 1/4 Miles

N

SITE NAME:	Kings County Fire Station	CLIENT:	Provost & Pritchard Eng. Group
ADDRESS:	7622 HOUSTON AVE HANFORD CA 93230	CONTACT:	Stephanie Gillaspy
LAT/LONG:	36.302135 / 119.596231	INQUIRY #:	6108676.2s
		DATE:	July 01, 2020 11:52 am

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GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

DOMINANT SOIL COMPOSITION IN GENERAL AREA OF TARGET PROPERTY

The U.S. Department of Agriculture's (USDA) Soil Conservation Service (SCS) leads the National Cooperative Soil Survey (NCSS) and is responsible for collecting, storing, maintaining and distributing soil survey information for privately owned lands in the United States. A soil map in a soil survey is a representation of soil patterns in a landscape. The following information is based on Soil Conservation Service SSURGO data.

Soil Map ID: 1

Soil Component Name: KIMBERLINA

Soil Surface Texture:
Hydrologic Group: Class B - Moderate infiltration rates. Deep and moderately deep, moderately well and well drained soils with moderately coarse textures.

Soil Drainage Class: Well drained

Hydric Status: Partially hydric

Corrosion Potential - Uncoated Steel: High

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

Soil Layer Information							
	Boundary			Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		
1	0 inches	7 inches		Not reported	Not reported	Max: 4 Min: 1.4	Max: 8.4 Min: 7.9
2	7 inches	59 inches		Not reported	Not reported	Max: 4 Min: 1.4	Max: 8.4 Min: 7.9

Soil Map ID: 2

Soil Component Name: CAJON

Soil Surface Texture:
Hydrologic Group: Class A - High infiltration rates. Soils are deep, well drained to excessively drained sands and gravels.

Soil Drainage Class: Somewhat excessively drained

Hydric Status: Partially hydric

Corrosion Potential - Uncoated Steel: Moderate

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Soil Layer Information							
	Boundary			Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		
1	0 inches	11 inches		Not reported	Not reported	Max: 141 Min: 42	Max: 8.4 Min: 7.4
2	11 inches	59 inches		Not reported	Not reported	Max: 141 Min: 42	Max: 8.4 Min: 7.4
3	59 inches	70 inches		Not reported	Not reported	Max: 141 Min: 42	Max: 8.4 Min: 7.4

Soil Map ID: 3

Soil Component Name: PITS

Soil Surface Texture:
Hydrologic Group: Class A - High infiltration rates. Soils are deep, well drained to excessively drained sands and gravels.

Soil Drainage Class:
Hydric Status: Partially hydric

Corrosion Potential - Uncoated Steel: Not Reported

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

No Layer Information available.

LOCAL / REGIONAL WATER AGENCY RECORDS

EDR Local/Regional Water Agency records provide water well information to assist the environmental professional in assessing sources that may impact ground water flow direction, and in forming an opinion about the impact of contaminant migration on nearby drinking water wells.

WELL SEARCH DISTANCE INFORMATION

DATABASE	SEARCH DISTANCE (miles)
Federal USGS	1.000
Federal FRDS PWS	Nearest PWS within 1 mile
State Database	1.000

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

FEDERAL USGS WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
1	USGS40000171828	1/8 - 1/4 Mile South
A5	USGS40000171803	1/4 - 1/2 Mile ESE
7	USGS40000171914	1/2 - 1 Mile ENE
8	USGS40000171742	1/2 - 1 Mile South
B9	USGS40000171743	1/2 - 1 Mile SSW
10	USGS40000171788	1/2 - 1 Mile WSW
12	USGS40000171748	1/2 - 1 Mile SSE
C14	USGS40000171977	1/2 - 1 Mile NNE
15	USGS40000172009	1/2 - 1 Mile NNE
16	USGS40000172039	1/2 - 1 Mile North
17	USGS40000171771	1/2 - 1 Mile ESE

FEDERAL FRDS PUBLIC WATER SUPPLY SYSTEM INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
No PWS System Found		

Note: PWS System location is not always the same as well location.

STATE DATABASE WELL INFORMATION

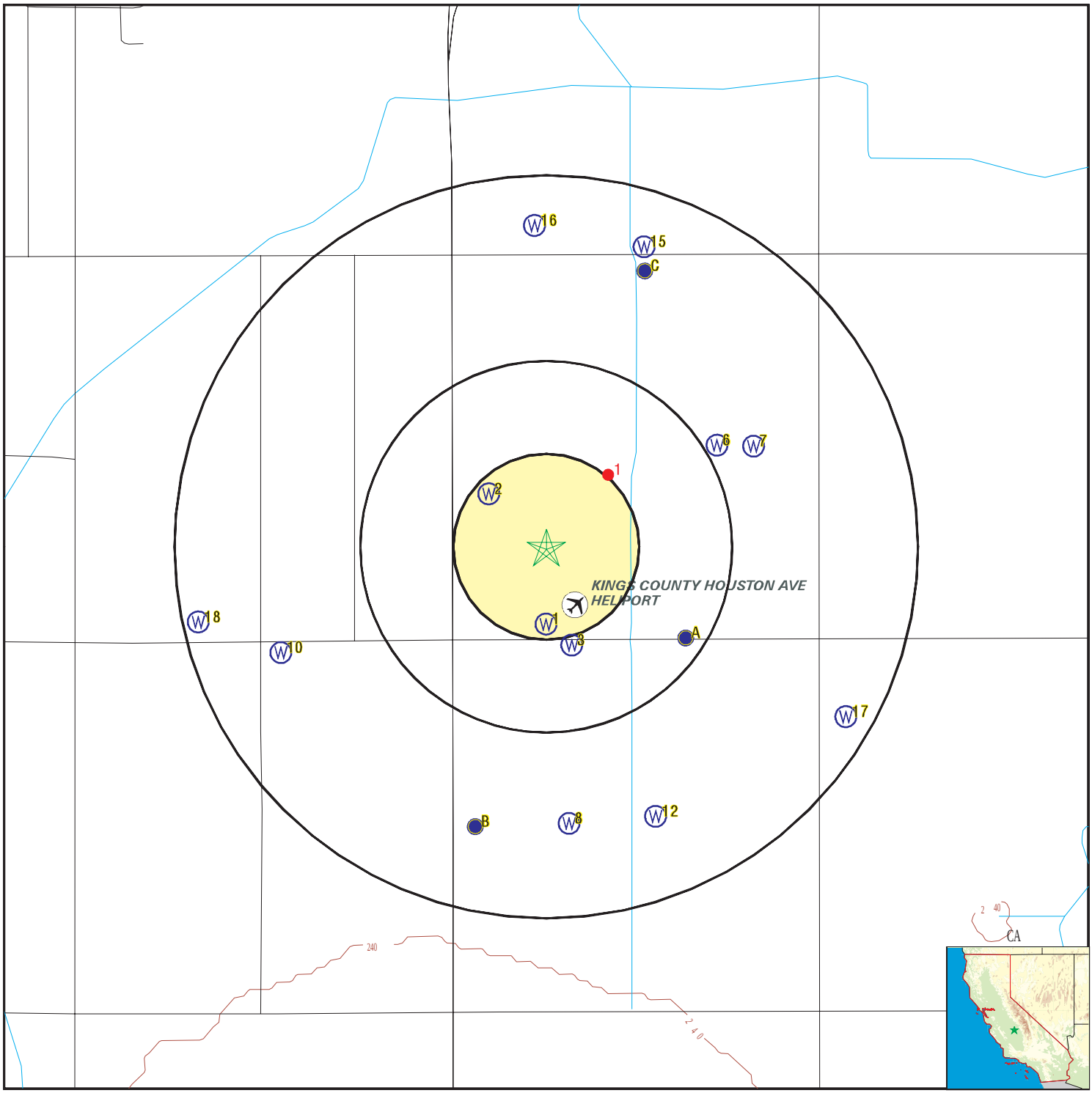
MAP ID	WELL ID	LOCATION FROM TP
2	CADWR8000024582	1/8 - 1/4 Mile NW
3	CADWR8000024517	1/4 - 1/2 Mile SSE
A4	CADWR8000024525	1/4 - 1/2 Mile SE
6	CADWR8000024598	1/2 - 1 Mile ENE
C11	CADWR8000024642	1/2 - 1 Mile NNE
B13	CADWR8000024463	1/2 - 1 Mile SSW
18	CADWR8000024548	1/2 - 1 Mile WSW

OTHER STATE DATABASE INFORMATION

STATE OIL/GAS WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
1	CAOG13000012590	1/4 - 1/2 Mile NE

PHYSICAL SETTING SOURCE MAP - 6108676.2s



- County Boundary
- Major Roads
- Contour Lines
- Earthquake Fault Lines
- Airports
- Earthquake epicenter, Richter 5 or greater
- Water Wells
- Public Water Supply Wells
- Cluster of Multiple Icons
- Groundwater Flow Direction
- GI Indeterminate Groundwater Flow at Location
- GV Groundwater Flow Varies at Location
- HD Closest Hydrogeological Data
- Oil, gas or related wells

SITE NAME:	Kings County Fire Station	CLIENT:	Provost & Pritchard Eng. Group
ADDRESS:	7622 HOUSTON AVE HANFORD CA 93230	CONTACT:	Stephanie Gillaspy
		INQUIRY #:	6108676.2s
LAT/LONG:	36.302135 / 119.596231	DATE:	July 01, 2020 11:52 am

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GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

1
South
1/8 - 1/4 Mile
Higher | **FED USGS** | **USGS40000171828**

Organization ID:	USGS-CA		
Organization Name:	USGS California Water Science Center		
Monitor Location:	019S022E04N001M	Type:	Well
Description:	Not Reported	HUC:	18030012
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	Central Valley aquifer system		
Formation Type:	Not Reported	Aquifer Type:	Not Reported
Construction Date:	19560101	Well Depth:	Not Reported
Well Depth Units:	Not Reported	Well Hole Depth:	Not Reported
Well Hole Depth Units:	Not Reported		

2
NW
1/8 - 1/4 Mile
Higher | **CA WELLS** | **CADWR8000024582**

State Well #:	19S22E04M001M	Station ID:	17952
Well Name:	19S22E04M001M	Well Use:	Unknown
Well Type:	Single Well	Well Depth:	0
Basin Name:	Tulare Lake	Well Completion Rpt #:	Not Reported

3
SSE
1/4 - 1/2 Mile
Higher | **CA WELLS** | **CADWR8000024517**

State Well #:	19S22E09C001M	Station ID:	15909
Well Name:	Not Reported	Well Use:	Unknown
Well Type:	Unknown	Well Depth:	0
Basin Name:	Tulare Lake	Well Completion Rpt #:	Not Reported

A4
SE
1/4 - 1/2 Mile
Higher | **CA WELLS** | **CADWR8000024525**

State Well #:	19S22E09B001M	Station ID:	15908
Well Name:	Not Reported	Well Use:	Unknown
Well Type:	Unknown	Well Depth:	0
Basin Name:	Tulare Lake	Well Completion Rpt #:	Not Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

A5
ESE **FED USGS** **USGS40000171803**
1/4 - 1/2 Mile
Higher

Organization ID:	USGS-CA		
Organization Name:	USGS California Water Science Center		
Monitor Location:	019S022E09B001M	Type:	Well
Description:	Not Reported	HUC:	18030012
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	Central Valley aquifer system		
Formation Type:	Not Reported	Aquifer Type:	Not Reported
Construction Date:	Not Reported	Well Depth:	Not Reported
Well Depth Units:	Not Reported	Well Hole Depth:	Not Reported
Well Hole Depth Units:	Not Reported		

Ground water levels,Number of Measurements:	1	Level reading date:	1962-01-30
Feet below surface:	82.50	Feet to sea level:	Not Reported
Note:	Not Reported		

6
ENE **CA WELLS** **CADWR8000024598**
1/2 - 1 Mile
Higher

State Well #:	19S22E04J001M	Station ID:	35104
Well Name:	19S22E04J001M	Well Use:	Unknown
Well Type:	Single Well	Well Depth:	0
Basin Name:	Tulare Lake	Well Completion Rpt #:	Not Reported

7
ENE **FED USGS** **USGS40000171914**
1/2 - 1 Mile
Higher

Organization ID:	USGS-CA		
Organization Name:	USGS California Water Science Center		
Monitor Location:	019S022E04J001M	Type:	Well
Description:	Not Reported	HUC:	18030012
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	Central Valley aquifer system		
Formation Type:	Not Reported	Aquifer Type:	Not Reported
Construction Date:	19590101	Well Depth:	172
Well Depth Units:	ft	Well Hole Depth:	Not Reported
Well Hole Depth Units:	Not Reported		

Ground water levels,Number of Measurements:	1	Level reading date:	1961-04-04
Feet below surface:	71.90	Feet to sea level:	Not Reported
Note:	Not Reported		

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

8
South
1/2 - 1 Mile
Lower

FED USGS **USGS40000171742**

Organization ID:	USGS-CA		
Organization Name:	USGS California Water Science Center		
Monitor Location:	019S022E09L001M	Type:	Well
Description:	Not Reported	HUC:	18030012
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	Central Valley aquifer system		
Formation Type:	Not Reported	Aquifer Type:	Not Reported
Construction Date:	19500101	Well Depth:	136
Well Depth Units:	ft	Well Hole Depth:	Not Reported
Well Hole Depth Units:	Not Reported		

B9
SSW
1/2 - 1 Mile
Lower

FED USGS **USGS40000171743**

Organization ID:	USGS-CA		
Organization Name:	USGS California Water Science Center		
Monitor Location:	019S022E09M001M	Type:	Well
Description:	Not Reported	HUC:	18030012
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	Central Valley aquifer system		
Formation Type:	Not Reported	Aquifer Type:	Not Reported
Construction Date:	19510101	Well Depth:	Not Reported
Well Depth Units:	Not Reported	Well Hole Depth:	Not Reported
Well Hole Depth Units:	Not Reported		

10
WSW
1/2 - 1 Mile
Lower

FED USGS **USGS40000171788**

Organization ID:	USGS-CA		
Organization Name:	USGS California Water Science Center		
Monitor Location:	019S022E08C001M	Type:	Well
Description:	Not Reported	HUC:	18030012
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	Central Valley aquifer system		
Formation Type:	Not Reported	Aquifer Type:	Not Reported
Construction Date:	Not Reported	Well Depth:	Not Reported
Well Depth Units:	Not Reported	Well Hole Depth:	Not Reported
Well Hole Depth Units:	Not Reported		

Ground water levels,Number of Measurements:	1	Level reading date:	1962-01-30
Feet below surface:	77.00	Feet to sea level:	Not Reported
Note:	Not Reported		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

C11
NNE
1/2 - 1 Mile
Higher

CA WELLS **CADWR8000024642**

State Well #:	19S22E04B001M	Station ID:	17951
Well Name:	19S22E04B001M	Well Use:	Unknown
Well Type:	Single Well	Well Depth:	0
Basin Name:	Tulare Lake	Well Completion Rpt #:	Not Reported

12
SSE
1/2 - 1 Mile
Lower

FED USGS **USGS40000171748**

Organization ID:	USGS-CA		
Organization Name:	USGS California Water Science Center		
Monitor Location:	019S022E09L002M	Type:	Well
Description:	Not Reported	HUC:	18030012
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	Central Valley aquifer system		
Formation Type:	Not Reported	Aquifer Type:	Not Reported
Construction Date:	19600101	Well Depth:	204
Well Depth Units:	ft	Well Hole Depth:	Not Reported
Well Hole Depth Units:	Not Reported		

Ground water levels,Number of Measurements:	1	Level reading date:	1962-01-31
Feet below surface:	83.00	Feet to sea level:	Not Reported
Note:	Not Reported		

B13
SSW
1/2 - 1 Mile
Lower

CA WELLS **CADWR8000024463**

State Well #:	19S22E09M001M	Station ID:	15910
Well Name:	19S22E09M001M	Well Use:	Unknown
Well Type:	Single Well	Well Depth:	0
Basin Name:	Tulare Lake	Well Completion Rpt #:	Not Reported

C14
NNE
1/2 - 1 Mile
Higher

FED USGS **USGS40000171977**

Organization ID:	USGS-CA		
Organization Name:	USGS California Water Science Center		
Monitor Location:	019S022E04B001M	Type:	Well
Description:	Not Reported	HUC:	18030012
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	Central Valley aquifer system		
Formation Type:	Not Reported	Aquifer Type:	Not Reported

Construction Date: 19600101
Well Depth Units: ft
Well Hole Depth Units: Not Reported
Well Depth: 173
Well Hole Depth: Not Reported

Ground water levels,Number of Measurements: 73
Feet below surface: 79.4
Note: Not Reported
Level reading date: 1983-04-15
Feet to sea level: Not Reported

Level reading date: 1982-09-30
Feet to sea level: Not Reported
Feet below surface: 86.1
Note: Not Reported

Level reading date: 1982-02-19
Feet to sea level: Not Reported
Feet below surface: 91.0
Note: Not Reported

Level reading date: 1981-09-29
Feet to sea level: Not Reported
Feet below surface: 91.8
Note: Not Reported

Level reading date: 1981-01-23
Feet to sea level: Not Reported
Feet below surface: 87.2
Note: Not Reported

Level reading date: 1979-02-06
Feet to sea level: Not Reported
Feet below surface: 95.8
Note: Not Reported

Level reading date: 1978-01-24
Feet to sea level: Not Reported
Feet below surface: 105.1
Note: Not Reported

Level reading date: 1978-01-21
Feet to sea level: Not Reported
Feet below surface: 105.1
Note: Not Reported

Level reading date: 1977-10-13
Feet to sea level: Not Reported
Feet below surface: 109.5
Note: Not Reported

Level reading date: 1977-08-31
Feet to sea level: Not Reported
Feet below surface: 114.2
Note: Not Reported

Level reading date: 1977-06-17
Feet to sea level: Not Reported
Feet below surface: 132.2
Note: Not Reported

Level reading date: 1977-02-10
Feet to sea level: Not Reported
Feet below surface: 103.8
Note: Not Reported

Level reading date: 1976-10-05
Feet to sea level: Not Reported
Feet below surface: 107.8
Note: Not Reported

Level reading date: 1976-07-22
Feet to sea level: Not Reported
Feet below surface: 144.6
Note: Not Reported

Level reading date: 1976-01-19
Feet to sea level: Not Reported
Feet below surface: 95.4
Note: Not Reported

Level reading date: 1975-11-01
Feet to sea level: Not Reported
Feet below surface: 97.2
Note: Not Reported

Level reading date: 1975-09-16
Feet to sea level: Not Reported
Feet below surface: 99
Note: Not Reported

Level reading date: 1975-08-19
Feet to sea level: Not Reported
Feet below surface: 142.6
Note: Not Reported

Level reading date: 1975-07-17
Feet to sea level: Not Reported
Feet below surface: 140.3
Note: Not Reported

Level reading date:	1975-06-26	Feet below surface:	95.7
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1975-05-24	Feet below surface:	98.8
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1975-04-18	Feet below surface:	100
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1975-03-24	Feet below surface:	121.5
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1975-01-30	Feet below surface:	127.3
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1974-09-14	Feet below surface:	115.6
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1974-01-28	Feet below surface:	93.6
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1973-09-29	Feet below surface:	138.8
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1973-02-16	Feet below surface:	85.7
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1972-10-02	Feet below surface:	96.6
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1972-01-25	Feet below surface:	78
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1971-09-28	Feet below surface:	129.2
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1971-02-16	Feet below surface:	73.4
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1970-10-03	Feet below surface:	84.3
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1970-02-14	Feet below surface:	72.5
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1969-09-30	Feet below surface:	80.4
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1969-03-01	Feet below surface:	83.4
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1969-02-14	Feet below surface:	83.8
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1969-01-01	Feet below surface:	93.4
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1968-12-01	Feet below surface:	93
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1968-11-07	Feet below surface:	98.8
Feet to sea level:	Not Reported	Note:	Not Reported

Level reading date:	1968-10-12	Feet below surface:	92.2
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1968-08-31	Feet below surface:	89
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1968-05-26	Feet below surface:	93.4
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1968-03-30	Feet below surface:	87.4
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1968-03-02	Feet below surface:	85.2
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1968-02-05	Feet below surface:	80.6
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1968-02-01	Feet below surface:	81.1
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1967-12-30	Feet below surface:	82.3
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1967-12-03	Feet below surface:	83.7
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1967-11-06	Feet below surface:	86.6
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1967-09-29	Feet below surface:	91.4
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1967-09-28	Feet below surface:	91.4
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1967-09-02	Feet below surface:	97.6
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1967-07-01	Feet below surface:	97.7
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1967-06-10	Feet below surface:	93.7
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1967-04-30	Feet below surface:	91.3
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1967-04-02	Feet below surface:	92.6
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1967-02-28	Feet below surface:	94.3
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1967-02-03	Feet below surface:	95.6
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1966-12-26	Feet below surface:	96.9
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1966-11-27	Feet below surface:	100.2
Feet to sea level:	Not Reported	Note:	Not Reported

Level reading date:	1966-10-29	Feet below surface:	101.7
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1966-07-31	Feet below surface:	109.2
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1966-06-26	Feet below surface:	94.4
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1966-05-29	Feet below surface:	92.1
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1966-05-01	Feet below surface:	91.7
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1966-02-24	Feet below surface:	83.3
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1965-10-13	Feet below surface:	97.5
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1965-02-06	Feet below surface:	84.7
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1964-09-28	Feet below surface:	101.9
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1964-02-15	Feet below surface:	80.3
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1963-01-30	Feet below surface:	74.1
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1961-04-03	Feet below surface:	72.2
Feet to sea level:	Not Reported	Note:	Not Reported

15
NNE
1/2 - 1 Mile
Higher

FED USGS **USGS40000172009**

Organization ID:	USGS-CA		
Organization Name:	USGS California Water Science Center		
Monitor Location:	019S022E04C001M	Type:	Well
Description:	Not Reported	HUC:	18030012
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	Central Valley aquifer system		
Formation Type:	Not Reported	Aquifer Type:	Not Reported
Construction Date:	19510101	Well Depth:	163
Well Depth Units:	ft	Well Hole Depth:	Not Reported
Well Hole Depth Units:	Not Reported		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

16
North
1/2 - 1 Mile
Higher

FED USGS **USGS40000172039**

Organization ID:	USGS-CA		
Organization Name:	USGS California Water Science Center		
Monitor Location:	018S022E33N001M	Type:	Well
Description:	Not Reported	HUC:	18030012
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	Central Valley aquifer system		
Formation Type:	Not Reported	Aquifer Type:	Not Reported
Construction Date:	19550101	Well Depth:	199
Well Depth Units:	ft	Well Hole Depth:	Not Reported
Well Hole Depth Units:	Not Reported		

17
ESE
1/2 - 1 Mile
Higher

FED USGS **USGS40000171771**

Organization ID:	USGS-CA		
Organization Name:	USGS California Water Science Center		
Monitor Location:	019S022E10D001M	Type:	Well
Description:	Not Reported	HUC:	18030012
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	Central Valley aquifer system		
Formation Type:	Not Reported	Aquifer Type:	Not Reported
Construction Date:	19500101	Well Depth:	Not Reported
Well Depth Units:	Not Reported	Well Hole Depth:	Not Reported
Well Hole Depth Units:	Not Reported		

Ground water levels,Number of Measurements:	1	Level reading date:	1962-01-30
Feet below surface:	83.50	Feet to sea level:	Not Reported
Note:	Not Reported		

18
WSW
1/2 - 1 Mile
Lower

CA WELLS **CADWR8000024548**

State Well #:	19S22E05P001M	Station ID:	35105
Well Name:	Not Reported	Well Use:	Unknown
Well Type:	Unknown	Well Depth:	0
Basin Name:	Tulare Lake	Well Completion Rpt #:	Not Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance

Database EDR ID Number

1
NE
1/4 - 1/2 Mile

OIL_GAS **CAOG13000012590**

API #:	0403100601	Well #:	1
Well Status:	Plugged	Well Type:	DH
Operator Name:	Rusty Walters Drilling Co.		
Lease Name:	Bettencourt	Field Name:	Any Field
Area Name:	Any Area	GIS Source:	hud
Confidential Well:	N	Directionally Drilled:	N
SPUD Date:	10/12/1955		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS
RADON

AREA RADON INFORMATION

State Database: CA Radon

Radon Test Results

Zipcode	Num Tests	> 4 pCi/L
93230	24	1

Federal EPA Radon Zone for KINGS County: 3

Note: Zone 1 indoor average level > 4 pCi/L.
: Zone 2 indoor average level >= 2 pCi/L and <= 4 pCi/L.
: Zone 3 indoor average level < 2 pCi/L.

Federal Area Radon Information for Zip Code: 93230

Number of sites tested: 6

Area	Average Activity	% <4 pCi/L	% 4-20 pCi/L	% >20 pCi/L
Living Area - 1st Floor	2.300 pCi/L	83%	17%	0%
Living Area - 2nd Floor	Not Reported	Not Reported	Not Reported	Not Reported
Basement	Not Reported	Not Reported	Not Reported	Not Reported

PHYSICAL SETTING SOURCE RECORDS SEARCHED

TOPOGRAPHIC INFORMATION

USGS 7.5' Digital Elevation Model (DEM)
Source: United States Geologic Survey
EDR acquired the USGS 7.5' Digital Elevation Model in 2002 and updated it in 2006. The 7.5 minute DEM corresponds to the USGS 1:24,000- and 1:25,000-scale topographic quadrangle maps. The DEM provides elevation data with consistent elevation units and projection.

Current USGS 7.5 Minute Topographic Map
Source: U.S. Geological Survey

HYDROLOGIC INFORMATION

Flood Zone Data: This data was obtained from the Federal Emergency Management Agency (FEMA). It depicts 100-year and 500-year flood zones as defined by FEMA. It includes the National Flood Hazard Layer (NFHL) which incorporates Flood Insurance Rate Map (FIRM) data and Q3 data from FEMA in areas not covered by NFHL.
Source: FEMA
Telephone: 877-336-2627
Date of Government Version: 2003, 2015

NWI: National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002, 2005 and 2010 from the U.S. Fish and Wildlife Service.

State Wetlands Data: Wetland Inventory
Source: Department of Fish and Wildlife
Telephone: 916-445-0411

HYDROGEOLOGIC INFORMATION

AQUIFLOW^{R} Information System
Source: EDR proprietary database of groundwater flow information
EDR has developed the AQUIFLOW Information System (AIS) to provide data on the general direction of groundwater flow at specific points. EDR has reviewed reports submitted to regulatory authorities at select sites and has extracted the date of the report, hydrogeologically determined groundwater flow direction and depth to water table information.

GEOLOGIC INFORMATION

Geologic Age and Rock Stratigraphic Unit
Source: P.G. Schruben, R.E. Arndt and W.J. Bawiec, Geology of the Conterminous U.S. at 1:2,500,000 Scale - A digital representation of the 1974 P.B. King and H.M. Beikman Map, USGS Digital Data Series DDS - 11 (1994).

STATSGO: State Soil Geographic Database
Source: Department of Agriculture, Natural Resources Conservation Service (NRCS)
The U.S. Department of Agriculture's (USDA) Natural Resources Conservation Service (NRCS) leads the national Conservation Soil Survey (NCSS) and is responsible for collecting, storing, maintaining and distributing soil survey information for privately owned lands in the United States. A soil map in a soil survey is a representation of soil patterns in a landscape. Soil maps for STATSGO are compiled by generalizing more detailed (SSURGO) soil survey maps.

SSURGO: Soil Survey Geographic Database
Source: Department of Agriculture, Natural Resources Conservation Service (NRCS)
Telephone: 800-672-5559
SSURGO is the most detailed level of mapping done by the Natural Resources Conservation Service, mapping scales generally range from 1:12,000 to 1:63,360. Field mapping methods using national standards are used to construct the soil maps in the Soil Survey Geographic (SSURGO) database. SSURGO digitizing duplicates the original soil survey maps. This level of mapping is designed for use by landowners, townships and county natural resource planning and management.

PHYSICAL SETTING SOURCE RECORDS SEARCHED

LOCAL / REGIONAL WATER AGENCY RECORDS

FEDERAL WATER WELLS

PWS: Public Water Systems
Source: EPA/Office of Drinking Water
Telephone: 202-564-3750
Public Water System data from the Federal Reporting Data System. A PWS is any water system which provides water to at least 25 people for at least 60 days annually. PWSs provide water from wells, rivers and other sources.

PWS ENF: Public Water Systems Violation and Enforcement Data
Source: EPA/Office of Drinking Water
Telephone: 202-564-3750
Violation and Enforcement data for Public Water Systems from the Safe Drinking Water Information System (SDWIS) after August 1995. Prior to August 1995, the data came from the Federal Reporting Data System (FRDS).

USGS Water Wells: USGS National Water Inventory System (NWIS)
This database contains descriptive information on sites where the USGS collects or has collected data on surface water and/or groundwater. The groundwater data includes information on wells, springs, and other sources of groundwater.

STATE RECORDS

Water Well Database
Source: Department of Water Resources
Telephone: 916-651-9648

California Drinking Water Quality Database
Source: Department of Public Health
Telephone: 916-324-2319
The database includes all drinking water compliance and special studies monitoring for the state of California since 1984. It consists of over 3,200,000 individual analyses along with well and water system information.

OTHER STATE DATABASE INFORMATION

California Oil and Gas Well Locations
Source: Dept of Conservation, Geologic Energy Management Division
Telephone: 916-323-1779
Oil and Gas well locations in the state.

California Earthquake Fault Lines
Source: California Division of Mines and Geology
The fault lines displayed on EDR's Topographic map are digitized quaternary fault lines prepared in 1975 by the United State Geological Survey. Additional information (also from 1975) regarding activity at specific fault lines comes from California's Preliminary Fault Activity Map prepared by the California Division of Mines and Geology.

RADON

State Database: CA Radon
Source: Department of Public Health
Telephone: 916-210-8558
Radon Database for California

Area Radon Information
Source: USGS
Telephone: 703-356-4020
The National Radon Database has been developed by the U.S. Environmental Protection Agency (USEPA) and is a compilation of the EPA/State Residential Radon Survey and the National Residential Radon Survey. The study covers the years 1986 - 1992. Where necessary data has been supplemented by information collected at private sources such as universities and research institutions.

PHYSICAL SETTING SOURCE RECORDS SEARCHED

EPA Radon Zones
Source: EPA
Telephone: 703-356-4020
Sections 307 & 309 of IRAA directed EPA to list and identify areas of U.S. with the potential for elevated indoor radon levels.

OTHER

Airport Landing Facilities: Private and public use landing facilities
Source: Federal Aviation Administration, 800-457-6656

Epicenters: World earthquake epicenters, Richter 5 or greater
Source: Department of Commerce, National Oceanic and Atmospheric Administration

California Earthquake Fault Lines: The fault lines displayed on EDR's Topographic map are digitized quaternary fault lines, prepared in 1975 by the United State Geological Survey. Additional information (also from 1975) regarding activity at specific fault lines comes from California's Preliminary Fault Activity Map prepared by the California Division of Mines and Geology.

STREET AND ADDRESS INFORMATION

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Kings County Fire Station
7622 HOUSTON AVE
HANFORD, CA 93230

Inquiry Number: 6108676.2s
July 30, 2020

EDR Vapor Encroachment Screen

Prepared using EDR's Vapor Encroachment Worksheet

EDR® Environmental Data Resources Inc

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Shelton, CT 06484
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Thank you for your business.
Please contact EDR at 1-800-352-0050
with any questions or comments.

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EXECUTIVE SUMMARY

A search of available environmental records was conducted by EDR. The report was designed to assist parties seeking to meet the search requirements of the ASTM Standard Practice for Assessment of Vapor Encroachment into Structures on Property Involved in Real Estate Transactions (E 2600).

STANDARD ENVIRONMENTAL RECORDS	Default Area of Concern (Miles)*	property	1/10	> 1/10
Federal NPL site list	1.0	0	0	0
Federal Delisted NPL site list	1.0	0	0	0
Federal CERCLIS list	0.5	0	0	0
Federal CERCLIS NFRAP site list	0.5	0	0	0
Federal RCRA CORRACTS facilities list	1.0	0	0	0
Federal RCRA non-CORRACTS TSD facilities list	0.5	0	0	0
Federal RCRA generators list	0.25	0	0	0
Federal institutional controls / engineering controls registries	0.5	0	0	0
Federal ERNS list	0.001	0	0	-
State- and tribal - equivalent NPL	1.0	0	0	0
State- and tribal - equivalent CERCLIS	1.0	0	0	0
State and tribal landfill and/or solid waste disposal site lists	0.5	0	1	0
State and tribal leaking storage tank lists	0.5	0	0	0
State and tribal registered storage tank lists	0.25	0	1	0
State and tribal institutional control / engineering control registries	not searched	-	-	-
State and tribal voluntary cleanup sites	0.5	0	0	0
State and tribal Brownfields sites	0.5	0	0	0

ADDITIONAL ENVIRONMENTAL RECORDS				
Local Brownfield lists	0.5	0	0	0
Local Lists of Landfill / Solid Waste Disposal Sites	0.5	0	0	0
Local Lists of Hazardous waste / Contaminated Sites	1.0	0	0	0
Local Lists of Registered Storage Tanks	0.25	0	0	0
Local Land Records	0.5	0	0	0
Records of Emergency Release Reports	0.5	0	0	0
Other Ascertainable Records	1.0	2	6	0

EDR HIGH RISK HISTORICAL RECORDS				
EDR Exclusive Records	1.0	0	0	0
Exclusive Recovered Govt. Archives	0.001	0	0	-

EXECUTIVE SUMMARY

EDR RECOVERED GOVERNMENT ARCHIVES

EDR Exclusive Records	1.0	0	0	0
Exclusive Recovered Govt. Archives	0.001	0	0	-

*The Default Area of Concern may be adjusted by the environmental professional using experience and professional judgement. Each category may include several databases, and each database may have a different distance. A list of individual databases is provided at the back of this report.

EXECUTIVE SUMMARY

TARGET PROPERTY INFORMATION

ADDRESS

KINGS COUNTY FIRE STATION
7622 HOUSTON AVE
HANFORD, CA 93230

COORDINATES

Latitude (North):	36.302135 - 36° 18′ 7.687683″
Longitude (West):	119.596231 - 119° 35′ 46.42639″
Elevation:	245 ft. above sea level

TARGET PROPERTY SEARCH RESULTS

The target property was identified in the following records.

Site	Database(s)
KINGS COUNTY FIRE DEPARTMENT 7622 HOUSTON AVE HANFORD, CA 93230	FINDS Registry ID:: 110054257709
KINGS COUNTY FIRE DEPARTMENT 7622 HOUSTON AVE HANFORD, CA 932309348	EMI Facility Id: 2116 CERS HWTS

EXECUTIVE SUMMARY

SEARCH RESULTS

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

STANDARD ENVIRONMENTAL RECORDS

Name	Address	Dist/Dir	Map ID	Page
KWRA MRF UST: UST	7803 HANFORD-ARMONA RD	<1/10 NNE	▲ 8	31
HANFORD INERT LF (CITY OF HANFORD LF) CERS: CERS SWF/LF: SWF/LF (SWIS)	7869 HOUSTON AVE	<1/10 SSW	◆ 9	32

ADDITIONAL ENVIRONMENTAL RECORDS

Name	Address	Dist/Dir	Map ID	Page
KINGS COUNTY FIRE DEPARTMENT FINDS: FINDS	7622 HOUSTON AVE	Property	▲ A1	9
KINGS COUNTY FIRE DEPARTMENT EMI: EMI CERS: CERS HWTS: HWTS	7622 HOUSTON AVE	Property	▲ A2	9
KINGS CO AG COMM SEALER SSTS: SSTS	7630 HOUSTON AVE	<1/10 SW	◆ B3	15
KINGS COUNTY AGRICULTURAL COMM SEALER FINDS: FINDS	7630 HOUSTON AVE	<1/10 SW	◆ B4	27
KINGS COUNTY AG. COMMISSIONER CERS: CERS	7630 HOUSTON AVE	<1/10 SW	◆ B5	28
KINGS COUNTY - AG. COMMISSIONER CUPA Listings: CUPA	7630 HOUSTON AVE	<1/10 SW	◆ B6	30
KINGS COUNTY AGRICULTURAL COMM SEALER SSTS: SSTS	7630 HOUSTON AVE	<1/10 SW	◆ B7	30
HANFORD INERT LF (CITY OF HANFORD LF) CERS: CERS SWF/LF: SWF/LF (SWIS)	7869 HOUSTON AVE	<1/10 SSW	◆ 9	32

EDR HIGH RISK HISTORICAL RECORDS

Name	Address	Dist/Dir	Map ID	Page
Not Reported				

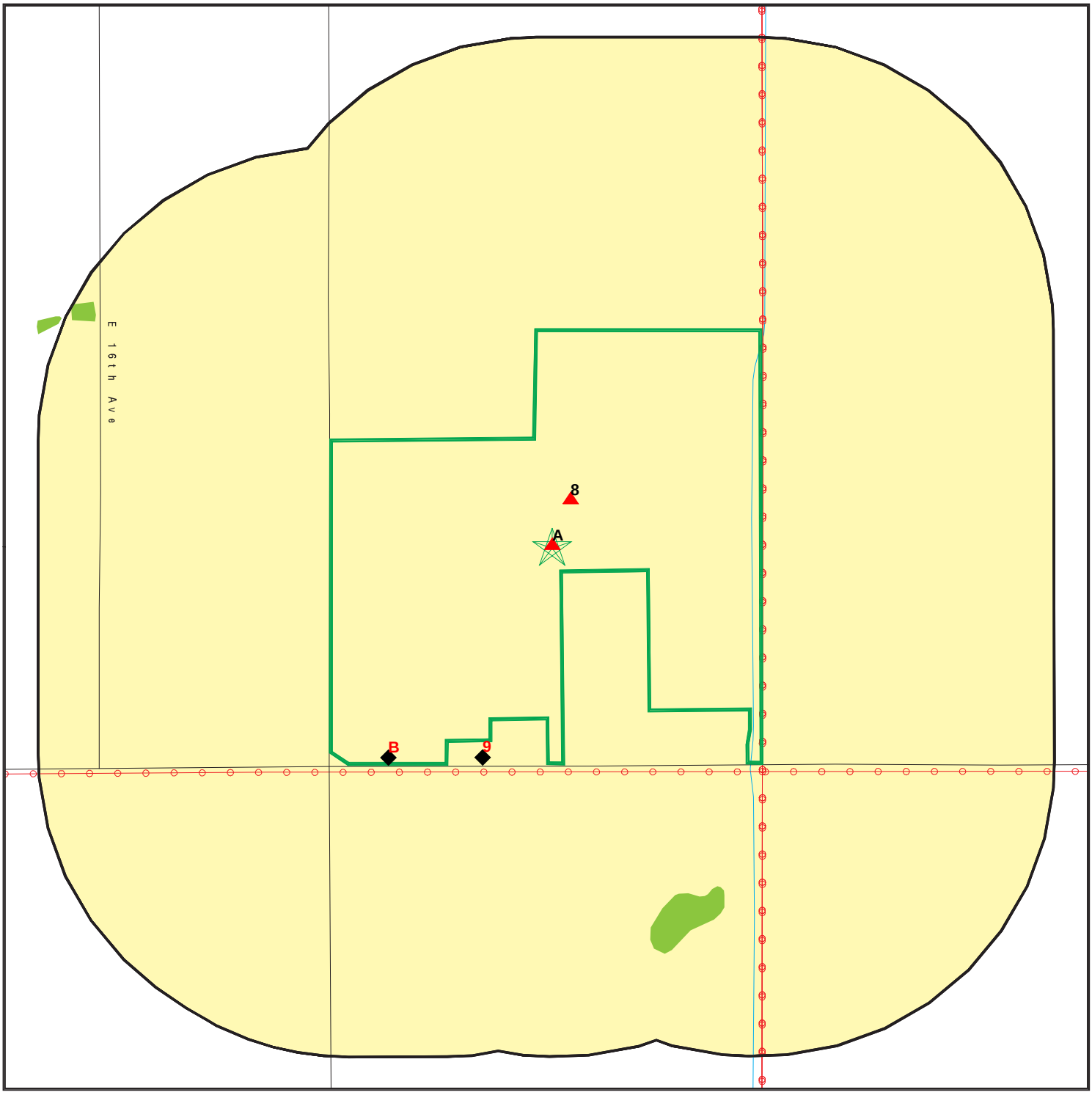
EDR RECOVERED GOVERNMENT ARCHIVES

Name	Address	Dist/Dir	Map ID	Page

EXECUTIVE SUMMARY

Name	Address	Dist/Dir	Map ID	Page
Not Reported				

PRIMARY MAP - 6108676.2S



Target Property
Sites at elevations higher than or equal to the target property
Sites at elevations lower than the target property
Manufactured Gas Plants
National Priority List Sites
Dept. Defense Sites

0 300 1/3 1/2 Miles

Indian Reservations BIA
Power transmission lines
Special Flood Hazard Area (1%)
0.2% Annual Chance Flood Hazard
National Wetland Inventory
State Wetlands

Areas of Concern

N

This report includes Interactive Map Layers to display and/or hide map information. The legend includes only those icons for the default map view.

SITE NAME:	Kings County Fire Station	CLIENT:	Provost & Pritchard Eng. Group
ADDRESS:	7622 HOUSTON AVE HANFORD CA 93230	CONTACT:	Stephanie Gillaspy
		INQUIRY #:	6108676.2s
LAT/LONG:	36.302135 / 119.596231	DATE:	July 01, 2020 11:51 am

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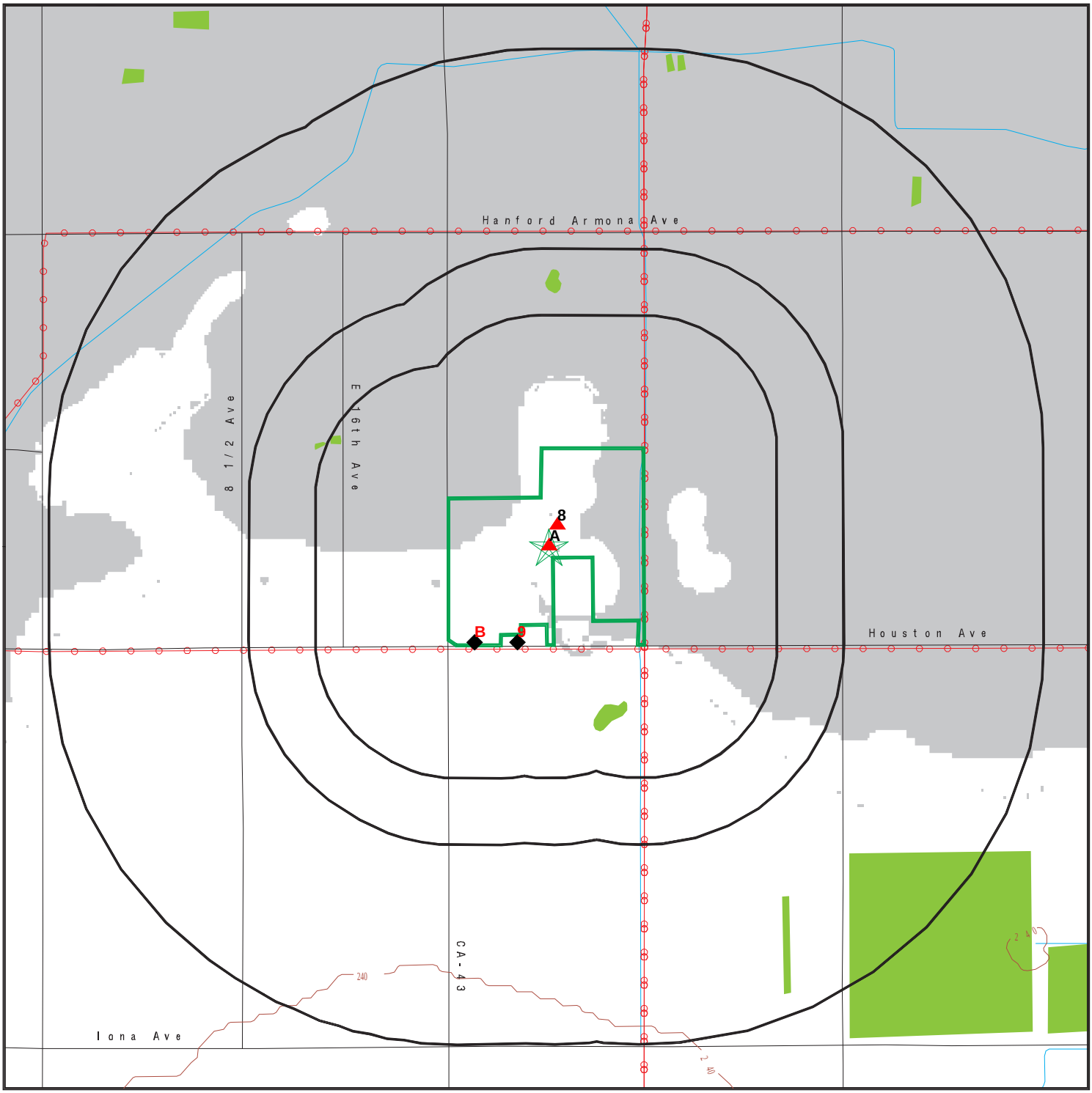
SECONDARY MAP - 6108676.2S



Target Property

Sites at elevations higher than or equal to the target property

Sites at elevations lower than the target property

Manufactured Gas Plants

National Priority List Sites

Dept. Defense Sites

0 1/3 1/2 1 Miles

Indian Reservations BIA

Power transmission lines

Special Flood Hazard Area (1%)

0.2% Annual Chance Flood Hazard

National Wetland Inventory

State Wetlands

Upgradient Area

Areas of Concern

This report includes Interactive Map Layers to display and/or hide map information. The legend includes only those icons for the default map view.

SITE NAME:	Kings County Fire Station	CLIENT:	Provost & Pritchard Eng. Group
ADDRESS:	7622 HOUSTON AVE HANFORD CA 93230	CONTACT:	Stephanie Gillaspy
LAT/LONG:	36.302135 / 119.596231	INQUIRY #:	6108676.2s
		DATE:	July 01, 2020 11:51 am

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MAP FINDINGS

LEGEND

FACILITY NAME **FACILITY ADDRESS, CITY, ST, ZIP**		EDR SITE ID NUMBER
◆ **MAP ID#**	Direction Distance Range (Distance feet / miles) Relative Elevation Feet Above Sea Level	ASTM 2600 Record Sources found in this report. Each database searched has been assigned to one or more categories. For detailed information about categorization, see the section of the report Records Searched and Currency.

Worksheet:

Comments:
Comments may be added on the online Vapor Encroachment Worksheet.

DATABASE ACRONYM: Applicable categories (A hoverbox with database description).

KINGS COUNTY FIRE DEPARTMENT 7622 HOUSTON AVE, HANFORD, CA, 93230		1015940808
▲ A1	Target Property 245 ft. Above Sea Level	Other Ascertainable Records

Worksheet:

FINDS: Other Ascertainable Records

Registry ID: 110054257709
Click Here: http://ofmpub.epa.gov/enviro/fii_query_detail.disp_program_facility?p_registry_id=110054257709

Environmental Interest/Information System:

AIR EMISSIONS CLASSIFICATION UNKNOWN

The Click here to access additional FINDS: detail in the EDR Site Report. database contains
http://www.edrnet.com/srf2/FinalSiteReport.aspx?ID=6sHG6tBMsfM.HmXaG8Zb3AyYtZsKBxChMeokA4i6fMqZM3sm.nYBAlQSmkU.XzD9aSNt3Efg8w6HZXtcbpLs4YpzA4TwybLdYJbg53fiZ6zFsRTAKwOoBMhcxFK4CP7Th81l44GFecv7odi6kZeZAOZ.434ki3vy6iWF6vdesOfoHjS5Gr6D3hV3tpo6BzmLMGPR9egMfgbpMjua.eei3urfmI1pXYGgaoL6ALCG8kQVZQ44bMrw3bnHAsOJyJ6AY1RU4lEDZGJisbkEKDmt5OfVxSyoCrIvhcmu3NCLeJ0MoCtakA636C0QsYx3H8uEGK3G4o8ztpoUBNsSMTm33FzhfRFfMyo4.tyR9tYkmv0pXaj4aq8s4auF8iVCZtMqbQBD3MFsAbPayUwtYYmsB5G7ZG6xs1CGKZ639lSnxaOLCQtWhwArAGhAeg9soG7rkRiI9gVh4s1NiE1T6pqW2EAKMiijqXLSZ0Mt5MMz3nWss0PVmStMvHVxn.FNYmGnBZFa6LetsivaHPy6Gl1U4KrDtKCpBkz1MLgo36c4fmlwMA1H.b.R4I9BmKMsXn4nauUL3pYe8Q0XZI11b4UM4PsYA7GayvsMYE8a8ZTQZlYksfrLK3JiCZRHxGulCcmGhHx57x0UeGb0onNakmvG3wtU4O9oiikn6f7FBXfrMzSkqxFTZMpf391931B1sbyvm1r5BXienHN3YuJBBkrx3 additional records for this site. Please contact your EDR Account Executive for more information.

KINGS COUNTY FIRE DEPARTMENT 7622 HOUSTON AVE, HANFORD, CA, 932309348		S109281861
▲ A2	Target Property 245 ft. Above Sea Level	Other Ascertainable Records

Worksheet:

EMI: Other Ascertainable Records

Name: KINGS COUNTY FIRE DEPARTMENT
Address: 7622 HOUSTON AVE

KINGS COUNTY FIRE DEPARTMENT, 7622 HOUSTON AVE, HANFORD, CA 932309348 (Continued)

City,State,Zip:	HANFORD, CA 93230
Year:	2006
County Code:	16
Air Basin:	SJV
Facility ID:	2116
Air District Name:	SJU
SIC Code:	5541
Air District Name:	SAN JOAQUIN VALLEY UNIFIED APCD
Community Health Air Pollution Info System:	Not Reported
Consolidated Emission Reporting Rule:	Not Reported
Total Organic Hydrocarbon Gases Tons/Yr:	.0063216937805950146
Reactive Organic Gases Tons/Yr:	.0062967117603421244
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

Name:	KINGS COUNTY FIRE DEPARTMENT
Address:	7622 HOUSTON AVE
City,State,Zip:	HANFORD, CA 93230
Year:	2007
County Code:	16
Air Basin:	SJV
Facility ID:	2116
Air District Name:	SJU
SIC Code:	5541
Air District Name:	SAN JOAQUIN VALLEY UNIFIED APCD
Community Health Air Pollution Info System:	Not Reported
Consolidated Emission Reporting Rule:	Not Reported
Total Organic Hydrocarbon Gases Tons/Yr:	.0051811233527623931
Reactive Organic Gases Tons/Yr:	.0051606486298441866
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

Name:	KINGS COUNTY FIRE DEPARTMENT
Address:	7622 HOUSTON AVE
City,State,Zip:	HANFORD, CA 93230
Year:	2008
County Code:	16
Air Basin:	SJV
Facility ID:	2116
Air District Name:	SJU

KINGS COUNTY FIRE DEPARTMENT, 7622 HOUSTON AVE, HANFORD, CA 932309348 (Continued)

SIC Code:	5541
Air District Name:	SAN JOAQUIN VALLEY UNIFIED APCD
Community Health Air Pollution Info System:	Not Reported
Consolidated Emission Reporting Rule:	Not Reported
Total Organic Hydrocarbon Gases Tons/Yr:	.0083743403435269054
Reactive Organic Gases Tons/Yr:	.0083412466905713057
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

Name:	KINGS COUNTY FIRE DEPARTMENT
Address:	7622 HOUSTON AVE
City,State,Zip:	HANFORD, CA 93230
Year:	2009
County Code:	16
Air Basin:	SJV
Facility ID:	2116
Air District Name:	SJU
SIC Code:	9224
Air District Name:	SAN JOAQUIN VALLEY UNIFIED APCD
Community Health Air Pollution Info System:	Not Reported
Consolidated Emission Reporting Rule:	Not Reported
Total Organic Hydrocarbon Gases Tons/Yr:	9.6991347630413106E-3
Reactive Organic Gases Tons/Yr:	9.6608057978153205E-3
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

Name:	KINGS COUNTY FIRE DEPARTMENT
Address:	7622 HOUSTON AVE
City,State,Zip:	HANFORD, CA 93230
Year:	2010
County Code:	16
Air Basin:	SJV
Facility ID:	2116
Air District Name:	SJU
SIC Code:	9224
Air District Name:	SAN JOAQUIN VALLEY UNIFIED APCD
Community Health Air Pollution Info System:	Not Reported
Consolidated Emission Reporting Rule:	Not Reported

KINGS COUNTY FIRE DEPARTMENT, 7622 HOUSTON AVE, HANFORD, CA 932309348 (Continued)

Total Organic Hydrocarbon Gases Tons/Yr:	9.7013353883370797E-3
Reactive Organic Gases Tons/Yr:	9.6629999999999997E-3
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

Name:	KINGS COUNTY FIRE DEPARTMENT
Address:	7622 HOUSTON AVE
City,State,Zip:	HANFORD, CA 93230
Year:	2011
County Code:	16
Air Basin:	SJV
Facility ID:	2116
Air District Name:	SJU
SIC Code:	9224
Air District Name:	SAN JOAQUIN VALLEY UNIFIED APCD
Community Health Air Pollution Info System:	Not Reported
Consolidated Emission Reporting Rule:	Not Reported
Total Organic Hydrocarbon Gases Tons/Yr:	0.0086352055879
Reactive Organic Gases Tons/Yr:	0.0086010810497
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

Name:	KINGS COUNTY FIRE DEPARTMENT
Address:	7622 HOUSTON AVE
City,State,Zip:	HANFORD, CA 93230
Year:	2012
County Code:	16
Air Basin:	SJV
Facility ID:	2116
Air District Name:	SJU
SIC Code:	9224
Air District Name:	SAN JOAQUIN VALLEY UNIFIED APCD
Community Health Air Pollution Info System:	Not Reported
Consolidated Emission Reporting Rule:	Not Reported
Total Organic Hydrocarbon Gases Tons/Yr:	0.0086352055879
Reactive Organic Gases Tons/Yr:	0.0086010810497
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0

KINGS COUNTY FIRE DEPARTMENT, 7622 HOUSTON AVE, HANFORD, CA 932309348 (Continued)

Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0
Name:	KINGS COUNTY FIRE DEPARTMENT
Address:	7622 HOUSTON AVE
City,State,Zip:	HANFORD, CA 93230
Year:	2013
County Code:	16
Air Basin:	SJV
Facility ID:	2116
Air District Name:	SJU
SIC Code:	9224
Air District Name:	SAN JOAQUIN VALLEY UNIFIED APCD
Community Health Air Pollution Info System:	Not Reported
Consolidated Emission Reporting Rule:	Not Reported
Total Organic Hydrocarbon Gases Tons/Yr:	0.0086021
Reactive Organic Gases Tons/Yr:	0.0086021
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0
Name:	KINGS COUNTY FIRE DEPARTMENT
Address:	7622 HOUSTON AVE
City,State,Zip:	HANFORD, CA 93230
Year:	2014
County Code:	16
Air Basin:	SJV
Facility ID:	2116
Air District Name:	SJU
SIC Code:	9224
Air District Name:	SAN JOAQUIN VALLEY APCD
Community Health Air Pollution Info System:	Not Reported
Consolidated Emission Reporting Rule:	Not Reported
Total Organic Hydrocarbon Gases Tons/Yr:	0.014041478252
Reactive Organic Gases Tons/Yr:	0.014041478252
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0
Name:	KINGS COUNTY FIRE DEPARTMENT
Address:	7622 HOUSTON AVE

KINGS COUNTY FIRE DEPARTMENT, 7622 HOUSTON AVE, HANFORD, CA 932309348 (Continued)

City,State,Zip:	HANFORD, CA 93230
Year:	2015
County Code:	16
Air Basin:	SJV
Facility ID:	2116
Air District Name:	SJU
SIC Code:	9224
Air District Name:	SAN JOAQUIN VALLEY APCD
Community Health Air Pollution Info System:	Not Reported
Consolidated Emission Reporting Rule:	Not Reported
Total Organic Hydrocarbon Gases Tons/Yr:	0.019303
Reactive Organic Gases Tons/Yr:	0.019303
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

Name:	KINGS COUNTY FIRE DEPARTMENT
Address:	7622 HOUSTON AVE
City,State,Zip:	HANFORD, CA 93230
Year:	2016
County Code:	16
Air Basin:	SJV
Facility ID:	2116
Air District Name:	SJU
SIC Code:	9224
Air District Name:	SAN JOAQUIN VALLEY APCD
Community Health Air Pollution Info System:	Not Reported
Consolidated Emission Reporting Rule:	Not Reported
Total Organic Hydrocarbon Gases Tons/Yr:	0.019303
Reactive Organic Gases Tons/Yr:	0.019303
Carbon Monoxide Emissions Tons/Yr:	Not Reported
NOX - Oxides of Nitrogen Tons/Yr:	Not Reported
SOX - Oxides of Sulphur Tons/Yr:	Not Reported
Particulate Matter Tons/Yr:	Not Reported
Part. Matter 10 Micrometers and Smllr Tons/Yr:	Not Reported

Name:	KINGS COUNTY FIRE DEPARTMENT
Address:	7622 HOUSTON AVE
City,State,Zip:	HANFORD, CA 93230
Year:	2017
County Code:	16
Air Basin:	SJV
Facility ID:	2116
Air District Name:	SJU

KINGS COUNTY FIRE DEPARTMENT, 7622 HOUSTON AVE, HANFORD, CA 932309348 (Continued)

SIC Code:	9224
Air District Name:	SAN JOAQUIN VALLEY APCD
Community Health Air Pollution Info System:	Not Reported
Consolidated Emission Reporting Rule:	Not Reported
Total Organic Hydrocarbon Gases Tons/Yr:	0.018918
Reactive Organic Gases Tons/Yr:	0.0091502
Carbon Monoxide Emissions Tons/Yr:	Not Reported
NOX - Oxides of Nitrogen Tons/Yr:	Not Reported
SOX - Oxides of Sulphur Tons/Yr:	Not Reported
Particulate Matter Tons/Yr:	Not Reported
Part. Matter 10 Micrometers and Smllr Tons/Yr:	Not Reported

CERS: Other Ascertainable Records

Name:	KINGS COUNTY FIRE DEPARTMENT
Address:	7622 HOUSTON AVE
City,State,Zip:	HANFORD, CA 93230
Site ID:	475883
CERS ID:	110054257709
CERS Description:	US EPA Air Emission Inventory System (EIS)

HWTS: Other Ascertainable Records

Name:	KINGS COUNTY FIRE DEPARTMENT
Address:	7622 HOUSTON AVE
Address 2:	Not Reported
City,State,Zip:	HANFORD, CA 932309348
EPA ID:	CAC002585623
Inactive Date:	08/16/2005
Create Date:	01/06/2005
Last Act Date:	08/16/2005
Mailing Name:	Not Reported
Mailing Address:	280 N CAMPUS DR
Mailing Address 2:	Not Reported
Mailing City,State,Zip:	HANFORD, CA 93230
Owner Name:	KINGS COUNTY FIRE DEPARTMENT
Owner Address:	280 N CAMPUS DR
Owner Address 2:	Not Reported
Owner City,State,Zip:	HANFORD, CA 93230
Contact Name:	JESSE VENEGAS
Contact Address:	280 N CAMPUS DR
Contact Address 2:	Not Reported
City,State,Zip:	HANFORD, CA 93230

KINGS CO AG COMM SEALER
7630 HOUSTON AVE, HANFORD, CA, 93230 **1012195945**

MAP FINDINGS

◆ B3	SW <1/10	(0 ft. / 0 mi.)	Other Ascertainable Records
	2 ft. Lower Elevation	243 ft. Above Sea Level	

Worksheet:

SSTS: Other Ascertainable Records

Name:	KINGS CO AG COMM SEALER
Address:	7630 HOUSTON AVE
City,State,Zip:	HANFORD, CA 93230
Report Year:	2014
Registration Number:	11071-CA-1

Pre 2016:

Registration Number:	11071-CA-1
Name:	KINGS CO AG COMM SEALER
Address:	7630 HOUSTON AVE
Address 2:	Not Reported
Country Code:	USA
Country:	United States
Contact Name:	STEVE SCHWEIZER
Contact Title:	DEPUTY CO AG COMM
Contact Telephone:	(559) 852-2830
Contact Email:	AGSTAFF@CO.KINGS.CA.US
Product Name:	ZINC PHOSPHIDE RODENT BAIT (2.0%, RUP)
Product Code:	Not Reported
EPA Product Registration Number:	CA890027
Product Type:	2 - End Use Product
Product Classification:	54 - Rodenticide
Product Use:	Not Reported
Market Type:	USA
Product Unit of Measure:	Not Reported
Region:	9
Zero Production:	Not Reported
RUP:	1 - Restricted Use Pesticide

Registration Number:	11071-CA-1
Name:	KINGS CO AG COMM SEALER
Address:	7630 HOUSTON AVE
Address 2:	Not Reported
Country Code:	USA
Country:	United States
Contact Name:	STEVE SCHWEIZER
Contact Title:	DEPUTY CO AG COMM
Contact Telephone:	(559) 852-2830
Contact Email:	AGSTAFF@CO.KINGS.CA.US
Product Name:	CHLORPHACINONE RODENT BAIT (0.01%)
Product Code:	Not Reported
EPA Product Registration Number:	CA890024
Product Type:	2 - End Use Product
Product Classification:	54 - Rodenticide

KINGS CO AG COMM SEALER, 7630 HOUSTON AVE, HANFORD, CA 93230 (Continued)

Product Use:	Not Reported
Market Type:	USA
Product Unit of Measure:	Not Reported
Region:	9
Zero Production:	Not Reported
RUP:	2 - All Other Products
Registration Number:	11071-CA-1
Name:	KINGS CO AG COMM SEALER
Address:	7630 HOUSTON AVE
Address 2:	Not Reported
Country Code:	USA
Country:	United States
Contact Name:	STEVE SCHWEIZER
Contact Title:	DEPUTY CO AG COMM
Contact Telephone:	(559) 852-2830
Contact Email:	AGSTAFF@CO.KINGS.CA.US
Product Name:	CHLOROPHACINONE RODENTICIDE BAIT (0.005%, RUP)
Product Code:	Not Reported
EPA Product Registration Number:	CA890023
Product Type:	2 - End Use Product
Product Classification:	54 - Rodenticide
Product Use:	Not Reported
Market Type:	USA
Product Unit of Measure:	Not Reported
Region:	9
Zero Production:	Not Reported
RUP:	1 - Restricted Use Pesticide
Registration Number:	11071-CA-1
Name:	KINGS CO AG COMM SEALER
Address:	7630 HOUSTON AVE
Address 2:	Not Reported
Country Code:	USA
Country:	United States
Contact Name:	STEVE SCHWEIZER
Contact Title:	DEPUTY CO AG COMM
Contact Telephone:	(559) 852-2830
Contact Email:	AGSTAFF@CO.KINGS.CA.US
Product Name:	DIPHACINONE RODENT BAIT (0.01%, RUP)
Product Code:	Not Reported
EPA Product Registration Number:	CA890022
Product Type:	2 - End Use Product
Product Classification:	54 - Rodenticide
Product Use:	Not Reported
Market Type:	USA
Product Unit of Measure:	Not Reported
Region:	9
Zero Production:	Not Reported
RUP:	1 - Restricted Use Pesticide

KINGS CO AG COMM SEALER, 7630 HOUSTON AVE, HANFORD, CA 93230 (Continued)

Registration Number:	11071-CA-1
Name:	KINGS CO AG COMM SEALER
Address:	7630 HOUSTON AVE
Address 2:	Not Reported
Country Code:	USA
Country:	United States
Contact Name:	STEVE SCHWEIZER
Contact Title:	DEPUTY CO AG COMM
Contact Telephone:	(559) 852-2830
Contact Email:	AGSTAFF@CO.KINGS.CA.US
Product Name:	DIPHACINONE RODENT BAIT (0.005%, RUP)
Product Code:	Not Reported
EPA Product Registration Number:	CA890020
Product Type:	2 - End Use Product
Product Classification:	54 - Rodenticide
Product Use:	Not Reported
Market Type:	USA
Product Unit of Measure:	Not Reported
Region:	9
Zero Production:	Not Reported
RUP:	1 - Restricted Use Pesticide

Registration Number:	11071-CA-1
Name:	KINGS CO AG COMM SEALER
Address:	7630 HOUSTON AVE
Address 2:	Not Reported
Country Code:	USA
Country:	United States
Contact Name:	STEVE SCHWEIZER
Contact Title:	DEPUTY CO AG COMM
Contact Telephone:	(559) 852-2830
Contact Email:	AGSTAFF@CO.KINGS.CA.US
Product Name:	CDFA RODENT BAIT BLOCK, DIPHACINONE (0.005%)
Product Code:	Not Reported
EPA Product Registration Number:	61282-26-10965
Product Type:	3 - Repackages/Relabeled
Product Classification:	54 - Rodenticide
Product Use:	Not Reported
Market Type:	USA
Product Unit of Measure:	Not Reported
Region:	9
Zero Production:	Not Reported
RUP:	2 - All Other Products

Registration Number:	11071-CA-1
Name:	KINGS CO AG COMM SEALER
Address:	7630 HOUSTON AVE
Address 2:	Not Reported
Country Code:	USA
Country:	United States
Contact Name:	STEVE SCHWEIZER

KINGS CO AG COMM SEALER, 7630 HOUSTON AVE, HANFORD, CA 93230 (Continued)

Contact Title:	DEPUTY CO AG COMM
Contact Telephone:	(559) 852-2830
Contact Email:	AGSTAFF@CO.KINGS.CA.US
Product Name:	ZINC PHOSPHIDE RODENT BAIT (2.0%, RUP)
Product Code:	Not Reported
EPA Product Registration Number:	CA890027
Product Type:	2 - End Use Product
Product Classification:	54 - Rodenticide
Product Use:	Not Reported
Market Type:	USA
Product Unit of Measure:	Not Reported
Region:	9
Zero Production:	Not Reported
RUP:	1 - Restricted Use Pesticide

Registration Number:	11071-CA-1
Name:	KINGS CO AG COMM SEALER
Address:	7630 HOUSTON AVE
Address 2:	Not Reported
Country Code:	USA
Country:	United States
Contact Name:	STEVE SCHWEIZER
Contact Title:	DEPUTY CO AG COMM
Contact Telephone:	(559) 852-2830
Contact Email:	AGSTAFF@CO.KINGS.CA.US
Product Name:	CHLORPHACINONE RODENT BAIT (0.01%)
Product Code:	Not Reported
EPA Product Registration Number:	CA890024
Product Type:	2 - End Use Product
Product Classification:	54 - Rodenticide
Product Use:	Not Reported
Market Type:	USA
Product Unit of Measure:	Not Reported
Region:	9
Zero Production:	Not Reported
RUP:	2 - All Other Products

Registration Number:	11071-CA-1
Name:	KINGS CO AG COMM SEALER
Address:	7630 HOUSTON AVE
Address 2:	Not Reported
Country Code:	USA
Country:	United States
Contact Name:	STEVE SCHWEIZER
Contact Title:	DEPUTY CO AG COMM
Contact Telephone:	(559) 852-2830
Contact Email:	AGSTAFF@CO.KINGS.CA.US
Product Name:	CHLOROPHACINONE RODENTICIDE BAIT (0.005%, RUP)
Product Code:	Not Reported
EPA Product Registration Number:	CA890023
Product Type:	2 - End Use Product

KINGS CO AG COMM SEALER, 7630 HOUSTON AVE, HANFORD, CA 93230 (Continued)

Product Classification:	54 - Rodenticide
Product Use:	Not Reported
Market Type:	USA
Product Unit of Measure:	Not Reported
Region:	9
Zero Production:	Not Reported
RUP:	1 - Restricted Use Pesticide
Registration Number:	11071-CA-1
Name:	KINGS CO AG COMM SEALER
Address:	7630 HOUSTON AVE
Address 2:	Not Reported
Country Code:	USA
Country:	United States
Contact Name:	STEVE SCHWEIZER
Contact Title:	DEPUTY CO AG COMM
Contact Telephone:	(559) 852-2830
Contact Email:	AGSTAFF@CO.KINGS.CA.US
Product Name:	DIPHACINONE RODENT BAIT (0.01%, RUP)
Product Code:	Not Reported
EPA Product Registration Number:	CA890022
Product Type:	2 - End Use Product
Product Classification:	54 - Rodenticide
Product Use:	Not Reported
Market Type:	USA
Product Unit of Measure:	Not Reported
Region:	9
Zero Production:	Not Reported
RUP:	1 - Restricted Use Pesticide
Registration Number:	11071-CA-1
Name:	KINGS CO AG COMM SEALER
Address:	7630 HOUSTON AVE
Address 2:	Not Reported
Country Code:	USA
Country:	United States
Contact Name:	STEVE SCHWEIZER
Contact Title:	DEPUTY CO AG COMM
Contact Telephone:	(559) 852-2830
Contact Email:	AGSTAFF@CO.KINGS.CA.US
Product Name:	DIPHACINONE RODENT BAIT (0.005%, RUP)
Product Code:	Not Reported
EPA Product Registration Number:	CA890020
Product Type:	2 - End Use Product
Product Classification:	54 - Rodenticide
Product Use:	Not Reported
Market Type:	USA
Product Unit of Measure:	Not Reported
Region:	9
Zero Production:	Not Reported
RUP:	1 - Restricted Use Pesticide

KINGS CO AG COMM SEALER, 7630 HOUSTON AVE, HANFORD, CA 93230 (Continued)

Registration Number:	11071-CA-1
Name:	KINGS CO AG COMM SEALER
Address:	7630 HOUSTON AVE
Address 2:	Not Reported
Country Code:	USA
Country:	United States
Contact Name:	STEVE SCHWEIZER
Contact Title:	DEPUTY CO AG COMM
Contact Telephone:	(559) 852-2830
Contact Email:	AGSTAFF@CO.KINGS.CA.US
Product Name:	CDFA RODENT BAIT BLOCK, DIPHACINONE (0.005%)
Product Code:	Not Reported
EPA Product Registration Number:	61282-26-10965
Product Type:	3 - Repackages/Relabeled
Product Classification:	54 - Rodenticide
Product Use:	Not Reported
Market Type:	USA
Product Unit of Measure:	Not Reported
Region:	9
Zero Production:	Not Reported
RUP:	2 - All Other Products
Report Year:	2012
Registration Number:	11071-CA-1

Pre 2016:

Registration Number:	11071-CA-1
Name:	KINGS CO AG COMM SEALER
Address:	7630 HOUSTON AVE
Address 2:	Not Reported
Country Code:	USA
Country:	United States
Contact Name:	STEVE SCHWEIZER
Contact Title:	DEPUTY CO AG COMM
Contact Telephone:	(559) 852-2830
Contact Email:	AGSTAFF@CO.KINGS.CA.US
Product Name:	CDFA RODENT BAIL BLOCK DIPHACINONE
Product Code:	Not Reported
EPA Product Registration Number:	61282-28-10965
Product Type:	3 - Repackages/Relabeled
Product Classification:	54 - Rodenticide
Product Use:	Not Reported
Market Type:	USA
Product Unit of Measure:	Not Reported
Region:	9
Zero Production:	Not Reported
RUP:	2 - All Other Products
Report Year:	2008

KINGS CO AG COMM SEALER, 7630 HOUSTON AVE, HANFORD, CA 93230 (Continued)

Registration Number:	011071-CA-001

Pre 2016:

Registration Number:	011071-CA-001
Name:	KINGS CO AG COMM SEALER
Address:	7630 HOUSTON AVE
Address 2:	Not Reported
Country Code:	Not Reported
Country:	Not Reported
Contact Name:	LES WRIGHT DEPUTY CO AG COMM P: 55958232112830
Contact Title:	Not Reported
Contact Telephone:	Not Reported
Contact Email:	Not Reported
Product Name:	CDFA RODENT BAIL BLOCK, DIPHACINONE (SUPP -10965)
Product Code:	Not Reported
EPA Product Registration Number:	61282-26
Product Type:	3
Product Classification:	54
Product Use:	Not Reported
Market Type:	1
Product Unit of Measure:	Not Reported
Region:	9
Zero Production:	No
RUP:	2

Registration Number:	011071-CA-001
Name:	KINGS CO AG COMM SEALER
Address:	7630 HOUSTON AVE
Address 2:	Not Reported
Country Code:	Not Reported
Country:	Not Reported
Contact Name:	LES WRIGHT DEPUTY CO AG COMM P: 55958232112830
Contact Title:	Not Reported
Contact Telephone:	Not Reported
Contact Email:	Not Reported
Product Name:	SLN CA-890020 RODENT BAIT DIPHACINONE, 0.005%
Product Code:	Not Reported
EPA Product Registration Number:	011071-CF-00005
Product Type:	2
Product Classification:	54
Product Use:	Not Reported
Market Type:	1
Product Unit of Measure:	Not Reported
Region:	9
Zero Production:	No
RUP:	2

Registration Number:	011071-CA-001
Name:	KINGS CO AG COMM SEALER
Address:	7630 HOUSTON AVE
Address 2:	Not Reported

KINGS CO AG COMM SEALER, 7630 HOUSTON AVE, HANFORD, CA 93230 (Continued)

Country Code:	Not Reported
Country:	Not Reported
Contact Name:	LES WRIGHT DEPUTY CO AG COMM P: 55958232112830
Contact Title:	Not Reported
Contact Telephone:	Not Reported
Contact Email:	Not Reported
Product Name:	SLN CA-890022 RODENT BAIT DIPHACINONE, 0.01%
Product Code:	Not Reported
EPA Product Registration Number:	011071-CF-00004
Product Type:	2
Product Classification:	54
Product Use:	Not Reported
Market Type:	1
Product Unit of Measure:	Not Reported
Region:	9
Zero Production:	No
RUP:	2

Registration Number:	011071-CA-001
Name:	KINGS CO AG COMM SEALER
Address:	7630 HOUSTON AVE
Address 2:	Not Reported
Country Code:	Not Reported
Country:	Not Reported
Contact Name:	LES WRIGHT DEPUTY CO AG COMM P: 55958232112830
Contact Title:	Not Reported
Contact Telephone:	Not Reported
Contact Email:	Not Reported
Product Name:	SLN CA-890023 RODENT BAIT CHLOROPHACINONE, 0.005%
Product Code:	Not Reported
EPA Product Registration Number:	011071-CF-00003
Product Type:	2
Product Classification:	54
Product Use:	Not Reported
Market Type:	1
Product Unit of Measure:	Not Reported
Region:	9
Zero Production:	No
RUP:	2

Registration Number:	011071-CA-001
Name:	KINGS CO AG COMM SEALER
Address:	7630 HOUSTON AVE
Address 2:	Not Reported
Country Code:	Not Reported
Country:	Not Reported
Contact Name:	LES WRIGHT DEPUTY CO AG COMM P: 55958232112830
Contact Title:	Not Reported
Contact Telephone:	Not Reported
Contact Email:	Not Reported
Product Name:	SLN CA-890024 RODENT BAIT CHLOROPHACINONE, 0.01%

KINGS CO AG COMM SEALER, 7630 HOUSTON AVE, HANFORD, CA 93230 (Continued)

Product Code:	Not Reported
EPA Product Registration Number:	011071-CF-00002
Product Type:	2
Product Classification:	54
Product Use:	Not Reported
Market Type:	1
Product Unit of Measure:	Not Reported
Region:	9
Zero Production:	No
RUP:	2

Registration Number:	011071-CA-001
Name:	KINGS CO AG COMM SEALER
Address:	7630 HOUSTON AVE
Address 2:	Not Reported
Country Code:	Not Reported
Country:	Not Reported
Contact Name:	LES WRIGHT DEPUTY CO AG COMM P: 55958232112830
Contact Title:	Not Reported
Contact Telephone:	Not Reported
Contact Email:	Not Reported
Product Name:	SLN CA-980027 RODENT BAIT ZN PHOSPHIDE 2%
Product Code:	Not Reported
EPA Product Registration Number:	011071-CF-00001
Product Type:	2
Product Classification:	54
Product Use:	Not Reported
Market Type:	1
Product Unit of Measure:	Not Reported
Region:	9
Zero Production:	No
RUP:	1

Report Year:	2009
Registration Number:	011071-CA-001

Pre 2016:

Registration Number:	011071-CA-001
Name:	KINGS CO AG COMM SEALER
Address:	7630 HOUSTON AVE
Address 2:	Not Reported
Country Code:	Not Reported
Country:	Not Reported
Contact Name:	LES WRIGHT DEPUTY CO AG COMM P: 55958232112830
Contact Title:	Not Reported
Contact Telephone:	Not Reported
Contact Email:	Not Reported
Product Name:	CDFA RODENT BAIL BLOCK, DIPHACINONE
Product Code:	Not Reported
EPA Product Registration Number:	61282-26-10965

KINGS CO AG COMM SEALER, 7630 HOUSTON AVE, HANFORD, CA 93230 (Continued)

Product Type:	3
Product Classification:	54
Product Use:	Not Reported
Market Type:	1
Product Unit of Measure:	Not Reported
Region:	Not Reported
Zero Production:	No
RUP:	2
Registration Number:	011071-CA-001
Name:	KINGS CO AG COMM SEALER
Address:	7630 HOUSTON AVE
Address 2:	Not Reported
Country Code:	Not Reported
Country:	Not Reported
Contact Name:	LES WRIGHT DEPUTY CO AG COMM P: 55958232112830
Contact Title:	Not Reported
Contact Telephone:	Not Reported
Contact Email:	Not Reported
Product Name:	CHLOROPHACINONE RODENTICIDE BAIT (0.005%)
Product Code:	Not Reported
EPA Product Registration Number:	CA890023
Product Type:	2
Product Classification:	54
Product Use:	Not Reported
Market Type:	1
Product Unit of Measure:	Not Reported
Region:	Not Reported
Zero Production:	No
RUP:	2
Registration Number:	011071-CA-001
Name:	KINGS CO AG COMM SEALER
Address:	7630 HOUSTON AVE
Address 2:	Not Reported
Country Code:	Not Reported
Country:	Not Reported
Contact Name:	LES WRIGHT DEPUTY CO AG COMM P: 55958232112830
Contact Title:	Not Reported
Contact Telephone:	Not Reported
Contact Email:	Not Reported
Product Name:	CHLORPHACINONE RODENT BAIT (0.01%)
Product Code:	Not Reported
EPA Product Registration Number:	CA890024
Product Type:	1
Product Classification:	54
Product Use:	Not Reported
Market Type:	1
Product Unit of Measure:	Not Reported
Region:	Not Reported
Zero Production:	No

KINGS CO AG COMM SEALER, 7630 HOUSTON AVE, HANFORD, CA 93230 (Continued)

RUP:	2
Registration Number:	011071-CA-001
Name:	KINGS CO AG COMM SEALER
Address:	7630 HOUSTON AVE
Address 2:	Not Reported
Country Code:	Not Reported
Country:	Not Reported
Contact Name:	LES WRIGHT DEPUTY CO AG COMM P: 55958232112830
Contact Title:	Not Reported
Contact Telephone:	Not Reported
Contact Email:	Not Reported
Product Name:	DIPHACINONE RODENT BAIT (0.005%)
Product Code:	Not Reported
EPA Product Registration Number:	CA890020
Product Type:	2
Product Classification:	54
Product Use:	Not Reported
Market Type:	1
Product Unit of Measure:	Not Reported
Region:	Not Reported
Zero Production:	No
RUP:	2
Registration Number:	011071-CA-001
Name:	KINGS CO AG COMM SEALER
Address:	7630 HOUSTON AVE
Address 2:	Not Reported
Country Code:	Not Reported
Country:	Not Reported
Contact Name:	LES WRIGHT DEPUTY CO AG COMM P: 55958232112830
Contact Title:	Not Reported
Contact Telephone:	Not Reported
Contact Email:	Not Reported
Product Name:	DIPHACINONE RODENT BAIT (0.01%)
Product Code:	Not Reported
EPA Product Registration Number:	CA890022
Product Type:	2
Product Classification:	54
Product Use:	Not Reported
Market Type:	1
Product Unit of Measure:	Not Reported
Region:	Not Reported
Zero Production:	No
RUP:	2
Registration Number:	011071-CA-001
Name:	KINGS CO AG COMM SEALER
Address:	7630 HOUSTON AVE
Address 2:	Not Reported
Country Code:	Not Reported

KINGS CO AG COMM SEALER, 7630 HOUSTON AVE, HANFORD, CA 93230 (Continued)

Country:	Not Reported
Contact Name:	LES WRIGHT DEPUTY CO AG COMM P: 55958232112830
Contact Title:	Not Reported
Contact Telephone:	Not Reported
Contact Email:	Not Reported
Product Name:	ZINC PHOSPHIDE RODENT BAIT (2.0%, RUP)
Product Code:	Not Reported
EPA Product Registration Number:	CA890027
Product Type:	2
Product Classification:	54
Product Use:	Not Reported
Market Type:	1
Product Unit of Measure:	Not Reported
Region:	Not Reported
Zero Production:	No
RUP:	1
Report Year:	Not Reported
Registration Number:	11071-CA-1
Report Year:	Not Reported
Registration Number:	11071-CA-1

KINGS COUNTY AGRICULTURAL COMM SEALER 7630 HOUSTON AVE, HANFORD, CA, 93230			1016343934
◆ B4	SW <1/10	(0 ft. / 0 mi.)	Other Ascertainable Records
	2 ft. Lower Elevation	243 ft. Above Sea Level	

Worksheet:

FINDS: Other Ascertainable Records

Registry ID:	110038248651
Click Here:	http://ofmpub.epa.gov/enviro/fii_query_detail.disp_program_facility?p_registry_id=110038248651

Environmental Interest/Information System:

ICIS (Integrated Compliance Information System) is the Integrated Compliance Information System and provides a database that, when complete, will contain integrated Enforcement and Compliance information across most of EPA's 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. This information is maintained in ICIS by EPA in the Regional offices and it Headquarters. A future release of ICIS will replace the Permit Compliance System (PCS) which supports the NPDES and will integrate that information with Federal actions already in the system. ICIS also has the capability to track other activities occurring in the Region that support Compliance and Enforcement programs. These include; Incident Tracking, Compliance Assistance, and Compliance Monitoring.

SSTS (Section Seven Tracking System) evolved from the FIFRA and TSCA Enforcement System (FATES). SSTS tracks the registration of all pesticide-producing establishments and tracks annually the types and amounts of pesticides, active ingredients, and related devices that are produced, sold, or distributed each year.

KINGS COUNTY AGRICULTURAL COMM SEALER, 7630 HOUSTON AVE, HANFORD, CA 93230 (Continued)

The Click here to access additional FINDS: detail in the EDR Site Report. database contains
http://www.edrnet.com/srf2/FinalSiteReport.aspx?ID=4TI4XlTQAIQJ2FLX7nlFC9DkQ2cA3D9TVQRrJy32LhFTaLVV3lV7ICngq4IqFDVC.gA.PDBjk6l3Tm2qYcJ79QX32tDGx4ZsTleIJi2vQXg7l3N8.HQf0Aal2S.QlqJhA9orFawLmi2kh7pVnFX3caFTnCKS4NpDfFkSt2oy2rZcno4gYTstIFm3BCXjil6k2swQOpACQ8IgQeaJdy3FyF8WLr42Ym7QznoZARWFw5C408C0D8MkUf9.Q2hcc2m8l23NJDnV1q2THdVbs4v9RatrYLu7iyHA3Gj4SZTsTIya3bIX2JlGZ2x3QPoAJR3RiQtxJn325AFM2LQW3or7.FnJu8YpFcUCfL5rXDAEkY56E02lccKl5Yy3oVDElBCSTdrVz95rdRj9rDV6.xyAa3td2
additional records for this site. Please contact your EDR Account Executive for more information.

KINGS COUNTY AG. COMMISSIONER 7630 HOUSTON AVE, HANFORD, CA, 93230		S121766795	
◆ B5	SW <1/10	(0 ft. / 0 mi.)	Other Ascertainable Records
	2 ft. Lower Elevation	243 ft. Above Sea Level	

Worksheet:

CERS: Other Ascertainable Records

Name:	KINGS COUNTY AG. COMMISSIONER
Address:	7630 HOUSTON AVE
City,State,Zip:	HANFORD, CA 93230
Site ID:	361799
CERS ID:	10652872
CERS Description:	Chemical Storage Facilities

Evaluation:

Eval General Type:	Compliance Evaluation Inspection
Eval Date:	12-11-2015
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	The facility's hazardous material inventory was observed up-to-date. Some changes in quantities were changed on CERS during the inspection. Employee training for pesticides use was up-to-date. Also, the facility recently implemented a Bait Facility Handbook that was recently reviewed and signed by each employee. All of the facility's hazardous materials were observed properly labeled and maintained.
Eval Division:	Kings County Environmental Health
Eval Program:	HMRRP
Eval Source:	CERS

Coordinates:

Site ID:	361799
Facility Name:	Kings County Ag. Commissioner
Env Int Type Code:	HMBP
Program ID:	10652872
Coord Name:	Not Reported
Ref Point Type Desc:	Center of a facility or station.
Latitude:	36.298530
Longitude:	-119.594180

Affiliation:

Affiliation Type Desc:	Operator
Entity Name:	Kings County Ag. Commissioner
Entity Title:	Not Reported
Affiliation Address:	Not Reported

KINGS COUNTY AG. COMMISSIONER, 7630 HOUSTON AVE, HANFORD, CA 93230 (Continued)

Affiliation City:	Not Reported
Affiliation State:	Not Reported
Affiliation Country:	Not Reported
Affiliation Zip:	Not Reported
Affiliation Phone:	(559) 852-2830
Affiliation Type Desc:	CUPA District
Entity Name:	Kings County Env Health
Entity Title:	Not Reported
Affiliation Address:	330 Campus Drive
Affiliation City:	Hanford
Affiliation State:	CA
Affiliation Country:	Not Reported
Affiliation Zip:	93230
Affiliation Phone:	(559) 584-1411
Affiliation Type Desc:	Document Preparer
Entity Name:	Steve Schweizer
Entity Title:	Not Reported
Affiliation Address:	Not Reported
Affiliation City:	Not Reported
Affiliation State:	Not Reported
Affiliation Country:	Not Reported
Affiliation Zip:	Not Reported
Affiliation Phone:	Not Reported
Affiliation Type Desc:	Environmental Contact
Entity Name:	Steve Schwiezer
Entity Title:	Not Reported
Affiliation Address:	680 N. Campus Dr. Suite B
Affiliation City:	Hanford
Affiliation State:	CA
Affiliation Country:	Not Reported
Affiliation Zip:	93230
Affiliation Phone:	Not Reported
Affiliation Type Desc:	Identification Signer
Entity Name:	Steve Schweizer
Entity Title:	Deputy Agricultural Commissioner/Sealer
Affiliation Address:	Not Reported
Affiliation City:	Not Reported
Affiliation State:	Not Reported
Affiliation Country:	Not Reported
Affiliation Zip:	Not Reported
Affiliation Phone:	Not Reported
Affiliation Type Desc:	Facility Mailing Address
Entity Name:	Mailing Address
Entity Title:	Not Reported
Affiliation Address:	680 N. Campus Dr. Suite B
Affiliation City:	Hanford
Affiliation State:	CA

KINGS COUNTY AG. COMMISSIONER, 7630 HOUSTON AVE, HANFORD, CA 93230 (Continued)

Affiliation Country:	Not Reported
Affiliation Zip:	93230
Affiliation Phone:	Not Reported
Affiliation Type Desc:	Legal Owner
Entity Name:	Kings County
Entity Title:	Not Reported
Affiliation Address:	1400 W. Lacey Blvd.
Affiliation City:	Hanford
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	93230
Affiliation Phone:	(559) 852-2830
Affiliation Type Desc:	Parent Corporation
Entity Name:	Kings County Ag. Commissioner
Entity Title:	Not Reported
Affiliation Address:	Not Reported
Affiliation City:	Not Reported
Affiliation State:	Not Reported
Affiliation Country:	Not Reported
Affiliation Zip:	Not Reported
Affiliation Phone:	Not Reported

KINGS COUNTY - AG. COMMISSIONER 7630 HOUSTON AVE, HANFORD, CA, 93230			S117684763
◆ B6	SW <1/10	(0 ft. / 0 mi.)	Other Ascertainable Records
	2 ft. Lower Elevation	243 ft. Above Sea Level	

Worksheet:

CUPA KINGS: Other Ascertainable Records

Name:	KINGS COUNTY - AG. COMMISSIONER
Address:	7630 HOUSTON AVE
City,State,Zip:	HANFORD, CA 93230
Region:	KING
Facility Id:	FA0001904
Status:	A
PE:	2227
Mailing Address 1:	1444 W. LACEY BLVD.
Mailing State:	CA
Mailing Zip:	93230
Decode of Fstatus:	Active
Mailing Name:	Not Reported

KINGS COUNTY AGRICULTURAL COMM SEALER 7630 HOUSTON AVE, HANFORD, CA, 93230	1012003781

◆ B7	SW <1/10	(0 ft. / 0 mi.)	Other Ascertainable Records
	2 ft. Lower Elevation	243 ft. Above Sea Level	

Worksheet:

SSTS: Other Ascertainable Records

Name:	KINGS COUNTY AGRICULTURAL COMM SEALER
Address:	7630 HOUSTON AVE
City,State,Zip:	HANFORD, CA 93230
Report Year:	2007
Registration Number:	011071CA001

Pre 2016:

Registration Number:	011071CA001
Name:	KINGS COUNTY AGRICULTURAL COMM SEALER
Address:	7630 HOUSTON AVE
Address 2:	Not Reported
Country Code:	Not Reported
Country:	Not Reported
Contact Name:	Not Reported
Contact Title:	Not Reported
Contact Telephone:	Not Reported
Contact Email:	Not Reported
Product Name:	CDFA RODENT BAIL BLOCK, DIPHACINONE (SUPP -10965)
Product Code:	1
EPA Product Registration Number:	06128200026
Product Type:	3
Product Classification:	03
Product Use:	2
Market Type:	1
Product Unit of Measure:	Not Reported
Region:	09
Zero Production:	Not Reported
RUP:	Not Reported

KWRA MRF
7803 HANFORD-ARMONA RD, HANFORD, CA, 93230 U003785950

▲ 8	NNE <1/10	(0 ft. / 0 mi.)	State and tribal registered storage tank lists
	Equal Elevation	245 ft. Above Sea Level	

Worksheet:

UST: State and tribal registered storage tank lists

Name:	KWRA MRF
Address:	7803 HANFORD-ARMONA RD
City,State,Zip:	HANFORD, CA 93230
Facility ID:	FA0001647

KWRA MRF, 7803 HANFORD-ARMONA RD, HANFORD, CA 93230 (Continued)

Permitting Agency:	KINGS COUNTY
Latitude:	36.30289
Longitude:	-119.59586

HANFORD INERT LF (CITY OF HANFORD LF) 7869 HOUSTON AVE, HANFORD, CA, 93230		S109821512	
◆ 9	SSW <1/10	(104 ft. / 0.02 mi.)	State and tribal landfill and/or solid waste disposal site lists Other Ascertainable Records
	1 ft. Lower Elevation	244 ft. Above Sea Level	

Worksheet:

SWF/LF (SWIS): State and tribal landfill and/or solid waste disposal site lists

Name:	HANFORD INERT/FILLIPI LF AKA OLD HANFORD
Address:	7869 HOUSTON AVE (SE SECT HOUSTON & 8TH)
City,State,Zip:	HANFORD, CA
Facility ID:	16-CR-0004
Lat/Long:	36.29665 / -119.59429
Owner Name:	Not Reported
Owner Telephone:	Not Reported
Owner Address:	Not Reported
Owner Address2:	Not Reported
Owner City,St,Zip:	Not Reported
Operational Status:	Not Reported
Operator:	Not Reported
Operator Phone:	Not Reported
Operator Address:	Not Reported
Operator Address2:	Not Reported
Operator City,St,Zip:	Not Reported
Permit Date:	Not Reported
Permit Status:	Not Reported
Permitted Acreage:	Not Reported
Activity:	Not Reported
Regulation Status:	Not Reported
Landuse Name:	Agricultural
GIS Source:	GPS
Category:	Not Reported
Unit Number:	Not Reported
Inspection Frequency:	Not Reported
Accepted Waste:	Not Reported
Closure Date:	Not Reported
Closure Type:	Not Reported
Disposal Acreage:	Not Reported
SWIS Num:	16-CR-0004
Waste Discharge Requirement Num:	Not Reported
Program Type:	Not Reported
Permitted Throughput with Units:	Not Reported
Actual Throughput with Units:	Not Reported
Permitted Capacity with Units:	Not Reported

HANFORD INERT LF (CITY OF HANFORD LF), 7869 HOUSTON AVE, HANFORD, CA 93230 (Continued)

Remaining Capacity:	Not Reported
Remaining Capacity with Units:	Not Reported
Lat/Long:	36.29665 / -119.59429

CERS: Other Ascertainable Records

Name:	HANFORD INERT/FILLIPI LF AKA OLD HANFORD
Address:	7869 HOUSTON AVE (SE SECT HOUSTON & 8TH)
City,State,Zip:	HANFORD, CA
Site ID:	509101
CERS ID:	16-CR-0004
CERS Description:	Solid Waste and Recycle Sites
Name:	HANFORD INERT LF (CITY OF HANFORD LF)
Address:	7869 HOUSTON AVE
City,State,Zip:	HANFORD, CA 93230
Site ID:	471512
CERS ID:	110013997942
CERS Description:	US EPA Air Emission Inventory System (EIS)

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

St	Acronym	Full Name	Government Agency	Gov Date	Arvl. Date	Active Date
ENVIRONMENTAL RECORDS						
Federal NPL site list						
US	NPL	National Priority List	EPA	04/27/2020	05/06/2020	05/28/2020
US	Proposed NPL	Proposed National Priority List Sites	EPA	04/27/2020	05/06/2020	05/28/2020
US	NPL LIENS	Federal Superfund Liens	EPA	10/15/1991	02/02/1994	03/30/1994
Federal CERCLIS list						
US	SEMS	Superfund Enterprise Management System	EPA	04/27/2020	05/06/2020	05/28/2020
Federal RCRA CORRACTS facilities list						
US	CORRACTS	Corrective Action Report	EPA	03/23/2020	03/25/2020	05/21/2020
Federal RCRA TSD facilities list						
US	RCRA-TSDF	RCRA - Treatment, Storage and Disposal	Environmental Protection Agency	03/23/2020	03/25/2020	05/21/2020
Federal RCRA generators list						
US	RCRA-LQG	RCRA - Large Quantity Generators	Environmental Protection Agency	03/23/2020	03/25/2020	05/21/2020
US	RCRA-SQG	RCRA - Small Quantity Generators	Environmental Protection Agency	03/23/2020	03/25/2020	05/21/2020
US	RCRA-VSQG	RCRA - Very Small Quantity Generators (Formerly Conditionall	Environmental Protection Agency	03/23/2020	03/25/2020	05/21/2020
Federal institutional controls / engineering controls registries						
US	LUCIS	Land Use Control Information System	Department of the Navy	05/15/2020	05/19/2020	06/18/2020
US	US ENG CONTROLS	Engineering Controls Sites List	Environmental Protection Agency	02/13/2020	02/20/2020	05/15/2020
US	US INST CONTROLS	Institutional Controls Sites List	Environmental Protection Agency	02/13/2020	02/20/2020	05/15/2020
Federal ERNS list						
US	ERNS	Emergency Response Notification System	National Response Center, United States Coast	03/22/2020	03/24/2020	06/18/2020
State and tribal - equivalent NPL						
CA	RESPONSE	State Response Sites	Department of Toxic Substances Control	01/27/2020	01/28/2020	04/09/2020
State and tribal - equivalent CERCLIS						
CA	ENVIROSTOR	EnviroStor Database	Department of Toxic Substances Control	01/27/2020	01/28/2020	04/09/2020
State and tribal landfill / solid waste disposal						
CA	SWF/LF (SWIS)	Solid Waste Information System	Department of Resources Recycling and Recover	02/10/2020	02/11/2020	04/20/2020
State and tribal leaking storage tank lists						
CA	LUST REG 5	Leaking Underground Storage Tank Database	California Regional Water Quality Control Boa	07/01/2008	07/22/2008	07/31/2008
CA	LUST REG 6L	Leaking Underground Storage Tank Case Listing	California Regional Water Quality Control Boa	09/09/2003	09/10/2003	10/07/2003
CA	LUST REG 1	Active Toxic Site Investigation	California Regional Water Quality Control Boa	02/01/2001	02/28/2001	03/29/2001
CA	LUST REG 9	Leaking Underground Storage Tank Report	California Regional Water Quality Control Boa	03/01/2001	04/23/2001	05/21/2001
CA	LUST REG 8	Leaking Underground Storage Tanks	California Regional Water Quality Control Boa	02/14/2005	02/15/2005	03/28/2005
CA	LUST REG 2	Fuel Leak List	California Regional Water Quality Control Boa	09/30/2004	10/20/2004	11/19/2004
CA	LUST REG 4	Underground Storage Tank Leak List	California Regional Water Quality Control Boa	09/07/2004	09/07/2004	10/12/2004

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

St	Acronym	Full Name	Government Agency	Gov Date	Arvl. Date	Active Date
CA	LUST REG 7	Leaking Underground Storage Tank Case Listing	California Regional Water Quality Control Boa	02/26/2004	02/26/2004	03/24/2004
CA	LUST	Leaking Underground Fuel Tank Report (GEOTRACKER)	State Water Resources Control Board	05/13/2020	05/13/2020	05/15/2020
CA	LUST REG 3	Leaking Underground Storage Tank Database	California Regional Water Quality Control Boa	05/19/2003	05/19/2003	06/02/2003
CA	LUST REG 6V	Leaking Underground Storage Tank Case Listing	California Regional Water Quality Control Boa	06/07/2005	06/07/2005	06/29/2005
US	INDIAN LUST R4	Leaking Underground Storage Tanks on Indian Land	EPA Region 4	10/10/2019	12/05/2019	02/10/2020
US	INDIAN LUST R10	Leaking Underground Storage Tanks on Indian Land	EPA Region 10	10/11/2019	12/04/2019	02/10/2020
US	INDIAN LUST R9	Leaking Underground Storage Tanks on Indian Land	Environmental Protection Agency	10/04/2019	12/04/2019	02/27/2020
US	INDIAN LUST R8	Leaking Underground Storage Tanks on Indian Land	EPA Region 8	10/03/2019	12/04/2019	02/14/2020
US	INDIAN LUST R1	Leaking Underground Storage Tanks on Indian Land	EPA Region 1	10/01/2019	12/04/2019	02/10/2020
US	INDIAN LUST R6	Leaking Underground Storage Tanks on Indian Land	EPA Region 6	10/02/2019	12/04/2019	02/10/2020
US	INDIAN LUST R5	Leaking Underground Storage Tanks on Indian Land	EPA, Region 5	10/01/2019	12/04/2019	02/10/2020
US	INDIAN LUST R7	Leaking Underground Storage Tanks on Indian Land	EPA Region 7	10/15/2019	12/17/2019	02/10/2020
CA	CPS-SLIC	Statewide SLIC Cases (GEOTRACKER)	State Water Resources Control Board	05/13/2020	05/13/2020	05/14/2020
CA	SLIC REG 1	Active Toxic Site Investigations	California Regional Water Quality Control Boa	04/03/2003	04/07/2003	04/25/2003
CA	SLIC REG 2	Spills, Leaks, Investigation & Cleanup Cost Recovery Listing	Regional Water Quality Control Board San Fran	09/30/2004	10/20/2004	11/19/2004
CA	SLIC REG 3	Spills, Leaks, Investigation & Cleanup Cost Recovery Listing	California Regional Water Quality Control Boa	05/18/2006	05/18/2006	06/15/2006
CA	SLIC REG 4	Spills, Leaks, Investigation & Cleanup Cost Recovery Listing	Region Water Quality Control Board Los Angele	11/17/2004	11/18/2004	01/04/2005
CA	SLIC REG 5	Spills, Leaks, Investigation & Cleanup Cost Recovery Listing	Regional Water Quality Control Board Central	04/01/2005	04/05/2005	04/21/2005
CA	SLIC REG 6V	Spills, Leaks, Investigation & Cleanup Cost Recovery Listing	Regional Water Quality Control Board, Victorv	05/24/2005	05/25/2005	06/16/2005
CA	SLIC REG 6L	SLIC Sites	California Regional Water Quality Control Boa	09/07/2004	09/07/2004	10/12/2004
CA	SLIC REG 7	SLIC List	California Regional Quality Control Board, Co	11/24/2004	11/29/2004	01/04/2005
CA	SLIC REG 8	Spills, Leaks, Investigation & Cleanup Cost Recovery Listing	California Region Water Quality Control Board	04/03/2008	04/03/2008	04/14/2008
CA	SLIC REG 9	Spills, Leaks, Investigation & Cleanup Cost Recovery Listing	California Regional Water Quality Control Boa	09/10/2007	09/11/2007	09/28/2007
State and tribal registered storage tank lists						
CA	UST	Active UST Facilities	SWRCB	03/09/2020	03/10/2020	05/20/2020
CA	UST CLOSURE	Proposed Closure of Underground Storage Tank (UST) Cases	State Water Resources Control Board	03/09/2020	03/11/2020	05/26/2020
CA	MILITARY UST SITES	Military UST Sites (GEOTRACKER)	State Water Resources Control Board	05/13/2020	05/13/2020	05/15/2020
CA	UST MENDOCINO	Mendocino County UST Database	Department of Public Health	12/19/2019	12/23/2019	02/21/2020
CA	AST	Aboveground Petroleum Storage Tank Facilities	California Environmental Protection Agency	07/06/2016	07/12/2016	09/19/2016
US	INDIAN UST R6	Underground Storage Tanks on Indian Land	EPA Region 6	10/02/2019	12/04/2019	02/10/2020
US	INDIAN UST R4	Underground Storage Tanks on Indian Land	EPA Region 4	10/10/2019	12/05/2019	02/10/2020
US	INDIAN UST R5	Underground Storage Tanks on Indian Land	EPA Region 5	10/01/2019	12/04/2019	02/10/2020
US	INDIAN UST R8	Underground Storage Tanks on Indian Land	EPA Region 8	10/03/2019	12/04/2019	02/14/2020
US	INDIAN UST R7	Underground Storage Tanks on Indian Land	EPA Region 7	10/11/2019	12/04/2019	02/10/2020
US	INDIAN UST R9	Underground Storage Tanks on Indian Land	EPA Region 9	10/04/2019	12/04/2019	02/27/2020
US	INDIAN UST R10	Underground Storage Tanks on Indian Land	EPA Region 10	10/11/2019	12/04/2019	02/10/2020
US	INDIAN UST R1	Underground Storage Tanks on Indian Land	EPA, Region 1	10/01/2019	12/04/2019	02/10/2020
US	FEMA UST	Underground Storage Tank Listing	FEMA	02/01/2020	03/19/2020	06/09/2020

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

St	Acronym	Full Name	Government Agency	Gov Date	Arvl. Date	Active Date
State and tribal voluntary cleanup sites						
US	INDIAN VCP R7	Voluntary Cleanup Priority Lisitng	EPA, Region 7	03/20/2008	04/22/2008	05/19/2008
US	INDIAN VCP R1	Voluntary Cleanup Priority Listing	EPA, Region 1	07/27/2015	09/29/2015	02/18/2016
CA	VCP	Voluntary Cleanup Program Properties	Department of Toxic Substances Control	01/27/2020	01/28/2020	04/09/2020
State and tribal Brownfields sites						
CA	BROWNFIELDS	Considered Brownfieds Sites Listing	State Water Resources Control Board	03/23/2020	03/24/2020	06/05/2020
Other Records						
US	CONSENT	Superfund (CERCLA) Consent Decrees	Department of Justice, Consent Decree Library	12/31/2019	01/17/2020	03/06/2020
US	ROD	Records Of Decision	EPA	04/27/2020	05/06/2020	05/28/2020
US	LIENS 2	CERCLA Lien Information	Environmental Protection Agency	04/27/2020	05/06/2020	05/28/2020
CA	HIST CAL-SITES	Calsites Database	Department of Toxic Substance Control	08/08/2005	08/03/2006	08/24/2006
US	DEBRIS REGION 9	Torres Martinez Reservation Illegal Dump Site Locations	EPA, Region 9	01/12/2009	05/07/2009	09/21/2009
CA	SWRCY	Recycler Database	Department of Conservation	03/09/2020	03/10/2020	05/19/2020
CA	CA FID UST	Facility Inventory Database	California Environmental Protection Agency	10/31/1994	09/05/1995	09/29/1995
CA	HIST UST	Hazardous Substance Storage Container Database	State Water Resources Control Board	10/15/1990	01/25/1991	02/12/1991
CA	SAN FRANCISCO AST	Aboveground Storage Tank Site Listing	San Francisco County Department of Public Hea	08/01/2019	08/02/2019	10/11/2019
CA	SWEEPS UST	SWEEPS UST Listing	State Water Resources Control Board	06/01/1994	07/07/2005	08/11/2005
US	EPA WATCH LIST	EPA WATCH LIST	Environmental Protection Agency	08/30/2013	03/21/2014	06/17/2014
US	FUSRAP	Formerly Utilized Sites Remedial Action Program	Department of Energy	08/08/2017	09/11/2018	09/14/2018
US	LEAD SMELTER 2	Lead Smelter Sites	American Journal of Public Health	04/05/2001	10/27/2010	12/02/2010
US	2020 COR ACTION	2020 Corrective Action Program List	Environmental Protection Agency	09/30/2017	05/08/2018	07/20/2018
US	COAL ASH DOE	Steam-Electric Plant Operation Data	Department of Energy	12/31/2018	12/04/2019	01/15/2020
US	LEAD SMELTER 1	Lead Smelter Sites	Environmental Protection Agency	04/27/2020	05/06/2020	05/28/2020
US	US HIST CDL	National Clandestine Laboratory Register	Drug Enforcement Administration	03/18/2020	03/19/2020	06/09/2020
US	PCB TRANSFORMER	PCB Transformer Registration Database	Environmental Protection Agency	09/13/2019	11/06/2019	02/10/2020
US	COAL ASH EPA	Coal Combustion Residues Surface Impoundments List	Environmental Protection Agency	01/12/2017	03/05/2019	11/11/2019
US	SCRD DRYCLEANERS	State Coalition for Remediation of Drycleaners Listing	Environmental Protection Agency	01/01/2017	02/03/2017	04/07/2017
US	US FIN ASSUR	Financial Assurance Information	Environmental Protection Agency	03/23/2020	03/24/2020	06/18/2020
US	US AIRS MINOR	Air Facility System Data	EPA	10/12/2016	10/26/2016	02/03/2017
US	US AIRS (AFS)	Aerometric Information Retrieval System Facility Subsystem (	EPA	10/12/2016	10/26/2016	02/03/2017
US	Delisted NPL	National Priority List Deletions	EPA	04/27/2020	05/06/2020	05/28/2020
US	SEMS-ARCHIVE	Superfund Enterprise Management System Archive	EPA	04/27/2020	05/06/2020	05/28/2020
US	RCRA NonGen / NLR	RCRA - Non Generators / No Longer Regulated	Environmental Protection Agency	03/23/2020	03/25/2020	05/21/2020
US	HMIRS	Hazardous Materials Information Reporting System	U.S. Department of Transportation	02/27/2020	03/24/2020	06/18/2020
US	DOT OPS	Incident and Accident Data	Department of Transporation, Office of Pipeli	01/02/2020	01/28/2020	04/17/2020
US	US CDL	Clandestine Drug Labs	Drug Enforcement Administration	03/18/2020	03/19/2020	06/09/2020
US	US BROWNFIELDS	A Listing of Brownfields Sites	Environmental Protection Agency	06/01/2020	06/02/2020	06/09/2020
US	DOD	Department of Defense Sites	USGS	12/31/2005	11/10/2006	01/11/2007
US	FEDLAND	Federal and Indian Lands	U.S. Geological Survey	04/02/2018	04/11/2018	11/06/2019
US	FUDS	Formerly Used Defense Sites	U.S. Army Corps of Engineers	01/28/2020	02/19/2020	05/14/2020
US	UMTRA	Uranium Mill Tailings Sites	Department of Energy	08/30/2019	11/15/2019	01/28/2020
US	ODI	Open Dump Inventory	Environmental Protection Agency	06/30/1985	08/09/2004	09/17/2004
US	US MINES	Mines Master Index File	Department of Labor, Mine Safety and Health A	02/11/2020	02/25/2020	05/21/2020
US	MINES VIOLATIONS	MSHA Violation Assessment Data	DOL, Mine Safety & Health Admi	03/31/2020	04/01/2020	05/21/2020

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

St	Acronym	Full Name	Government Agency	Gov Date	Arvl. Date	Active Date
US	US MINES 2	Ferrous and Nonferrous Metal Mines Database Listing	USGS	01/16/2018	02/28/2020	05/22/2020
US	US MINES 3	Active Mines & Mineral Plants Database Listing	USGS	04/14/2011	06/08/2011	09/13/2011
US	PRP	Potentially Responsible Parties	EPA	04/27/2020	05/06/2020	06/09/2020
US	TRIS	Toxic Chemical Release Inventory System	EPA	12/31/2018	02/05/2020	04/24/2020
US	TSCA	Toxic Substances Control Act	EPA	12/31/2016	06/21/2017	01/05/2018
US	FTTS	FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fu	EPA/Office of Prevention, Pesticides and Toxi	04/09/2009	04/16/2009	05/11/2009
US	FTTS INSP	FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fu	EPA	04/09/2009	04/16/2009	05/11/2009
US	HIST FTTS	FIFRA/TSCA Tracking System Administrative Case Listing	Environmental Protection Agency	10/19/2006	03/01/2007	04/10/2007
US	HIST FTTS INSP	FIFRA/TSCA Tracking System Inspection & Enforcement Case Lis	Environmental Protection Agency	10/19/2006	03/01/2007	04/10/2007
US	SSTS	Section 7 Tracking Systems	EPA	05/01/2019	10/23/2019	01/15/2020
US	ICIS	Integrated Compliance Information System	Environmental Protection Agency	11/18/2016	11/23/2016	02/10/2017
US	PADS	PCB Activity Database System	EPA	10/09/2019	10/11/2019	12/20/2019
US	MLTS	Material Licensing Tracking System	Nuclear Regulatory Commission	10/25/2019	10/25/2019	01/15/2020
US	RADINFO	Radiation Information Database	Environmental Protection Agency	07/01/2019	07/01/2019	09/23/2019
US	FINDS	Facility Index System/Facility Registry System	EPA	02/03/2020	03/03/2020	05/28/2020
US	RAATS	RCRA Administrative Action Tracking System	EPA	04/17/1995	07/03/1995	08/07/1995
US	RMP	Risk Management Plans	Environmental Protection Agency	11/05/2019	11/20/2019	04/17/2020
US	BRS	Biennial Reporting System	EPA/NTIS	12/31/2015	02/22/2017	09/28/2017
US	PWS	Public Water System Data	EPA	12/17/2013	01/09/2014	10/15/2014
US	INDIAN RESERV	Indian Reservations	USGS	12/31/2014	07/14/2015	01/10/2017
US	INDIAN ODI	Report on the Status of Open Dumps on Indian Lands	Environmental Protection Agency	12/31/1998	12/03/2007	01/24/2008
US	IHS OPEN DUMPS	Open Dumps on Indian Land	Department of Health & Human Serivces, Indian	04/01/2014	08/06/2014	01/29/2015
US	ABANDONED MINES	Abandoned Mines	Department of Interior	03/05/2020	03/06/2020	05/29/2020
CA	CA BOND EXP. PLAN	Bond Expenditure Plan	Department of Health Services	01/01/1989	07/27/1994	08/02/1994
CA	CDL	Clandestine Drug Labs	Department of Toxic Substances Control	12/31/2018	02/05/2020	04/15/2020
CA	CHMIRS	California Hazardous Material Incident Report System	Office of Emergency Services	12/24/2019	01/22/2020	03/30/2020
CA	CORTESE	"Cortese" Hazardous Waste & Substances Sites List	CAL EPA/Office of Emergency Information	03/23/2020	03/24/2020	06/05/2020
CA	CUPA SAN FRANCISCO CO	CUPA Facility Listing	San Francisco County Department of Environmen	02/03/2020	02/04/2020	04/09/2020
CA	CUPA LIVERMORE-PLEASANTON	CUPA Facility Listing	Livermore-Pleasanton Fire Department	05/01/2019	05/14/2019	07/17/2019
CA	DEED	Deed Restriction Listing	DTSC and SWRCB	03/02/2020	03/03/2020	05/13/2020
CA	DRYCLEAN AVAQMD	Antelope Valley Air Quality Management District Drycleaner L	Antelope Valley Air Quality Management Distri	02/27/2020	02/28/2020	05/07/2020
CA	DRYCLEAN SOUTH COAST	South Coast Air Quality Management District Drycleaner Listi	South Coast Air Quality Management District	03/25/2020	03/26/2020	06/15/2020
CA	DRYCLEANERS	Cleaner Facilities	Department of Toxic Substance Control	12/04/2019	01/29/2020	04/09/2020
CA	EMI	Emissions Inventory Data	California Air Resources Board	12/31/2017	06/24/2019	08/22/2019
CA	ENF	Enforcement Action Listing	State Water Resoruces Control Board	04/03/2020	04/07/2020	04/15/2020
CA	Financial Assurance 1	Financial Assurance Information Listing	Department of Toxic Substances Control	01/21/2020	01/23/2020	04/01/2020
CA	Financial Assurance 2	Financial Assurance Information Listing	California Integrated Waste Management Board	02/19/2020	02/20/2020	04/24/2020
CA	HAULERS	Registered Waste Tire Haulers Listing	Integrated Waste Management Board	11/15/2019	11/15/2019	01/23/2020
CA	HAZNET	Facility and Manifest Data	California Environmental Protection Agency	12/31/2017	05/29/2019	07/22/2019
CA	HIST CORTESE	Hazardous Waste & Substance Site List	Department of Toxic Substances Control	04/01/2001	01/22/2009	04/08/2009
CA	HWP	EnviroStor Permitted Facilities Listing	Department of Toxic Substances Control	02/18/2020	02/19/2020	04/24/2020
CA	HWT	Registered Hazardous Waste Transporter Database	Department of Toxic Substances Control	04/06/2020	04/08/2020	06/26/2020
CA	ICE	ICE	Department of Toxic Subsances Control	02/18/2020	02/19/2020	04/24/2020
CA	LDS	Land Disposal Sites Listing (GEOTRACKER)	State Water Qualilty Control Board	05/13/2020	05/13/2020	05/14/2020
CA	LIENS	Environmental Liens Listing	Department of Toxic Substances Control	03/03/2020	03/05/2020	05/14/2020
CA	MCS	Military Cleanup Sites Listing (GEOTRACKER)	State Water Resources Control Board	05/13/2020	05/13/2020	05/15/2020
CA	MINES	Mines Site Location Listing	Department of Conservation	03/09/2020	03/10/2020	05/19/2020

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

St	Acronym	Full Name	Government Agency	Gov Date	Arvl. Date	Active Date
CA	MWMP	Medical Waste Management Program Listing	Department of Public Health	02/12/2020	03/03/2020	05/14/2020
CA	NPDES	NPDES Permits Listing	State Water Resources Control Board	02/10/2020	02/11/2020	04/20/2020
CA	PEST LIC	Pesticide Regulation Licenses Listing	Department of Pesticide Regulation	03/02/2020	03/03/2020	05/14/2020
CA	PROC	Certified Processors Database	Department of Conservation	03/09/2020	03/10/2020	05/19/2020
CA	NOTIFY 65	Proposition 65 Records	State Water Resources Control Board	03/12/2020	03/13/2020	05/21/2020
CA	SCH	School Property Evaluation Program	Department of Toxic Substances Control	01/27/2020	01/28/2020	04/09/2020
CA	SPILLS 90	SPILLS90 data from FirstSearch	FirstSearch	06/06/2012	01/03/2013	02/22/2013
CA	TOXIC PITS	Toxic Pits Cleanup Act Sites	State Water Resources Control Board	07/01/1995	08/30/1995	09/26/1995
CA	UIC	UIC Listing	Deaprtment of Conservation	03/09/2020	03/10/2020	05/19/2020
CA	WASTEWATER PITS	Oil Wastewater Pits Listing	RWQCB, Central Valley Region	11/19/2019	01/07/2020	03/09/2020
CA	WDS	Waste Discharge System	State Water Resources Control Board	06/19/2007	06/20/2007	06/29/2007
CA	WIP	Well Investigation Program Case List	Los Angeles Water Quality Control Board	07/03/2009	07/21/2009	08/03/2009
CA	WMUDS/SWAT	Waste Management Unit Database	State Water Resources Control Board	04/01/2000	04/10/2000	05/10/2000
CA	UIC GEO	Underground Injection Control Sites (GEOTRACKER)	State Water Resource Control Board	05/13/2020	05/13/2020	05/15/2020
CA	HWTS	Hazardous Waste Tracking System	Department of Toxic Substances Control	10/15/2019	11/14/2019	02/07/2020
CA	CERS HAZ WASTE	CERS HAZ WASTE	CalEPA	01/21/2020	01/22/2020	04/01/2020
CA	PROD WATER PONDS	Produced Water Ponds Sites (GEOTRACKER)	State Water Resources Control Board	05/13/2020	05/13/2020	05/15/2020
CA	OTHER OIL GAS	Other Oil & Gas Projects Sites (GEOTRACKER)	State Water Resources Control Board	05/13/2020	05/13/2020	05/15/2020
CA	NON-CASE INFO	Non-Case Information Sites (GEOTRACKER)	State Water Resources Control Board	05/13/2020	05/13/2020	05/15/2020
CA	MILITARY PRIV SITES	Military Privatized Sites (GEOTRACKER)	State Water Resources Control Board	05/13/2020	05/13/2020	05/15/2020
CA	SAMPLING POINT	Sampling Point ? Public Sites (GEOTRACKER)	State Water Resources Control Board	05/13/2020	05/13/2020	05/15/2020
CA	PFAS	PFAS Contamination Site Location Listing	State Water Resources Control Board	03/09/2020	03/10/2020	05/19/2020
CA	WDR	Waste Discharge Requirements Listing	State Water Resources Control Board	03/09/2020	03/10/2020	05/19/2020
US	UXO	Unexploded Ordnance Sites	Department of Defense	12/31/2017	01/17/2019	04/01/2019
CA	CIWQS	California Integrated Water Quality System	State Water Resources Control Board	03/02/2020	03/03/2020	05/13/2020
CA	PROJECT	Project Sites (GEOTRACKER)	State Water Resources Control Board	05/13/2020	05/13/2020	05/15/2020
CA	CERS	CalEPA Regulated Site Portal Data	California Environmental Protection Agency	01/21/2020	01/22/2020	04/01/2020
US	FUELS PROGRAM	EPA Fuels Program Registered Listing	EPA	02/18/2020	02/19/2020	05/14/2020
US	DOCKET HWC	Hazardous Waste Compliance Docket Listing	Environmental Protection Agency	05/31/2018	07/26/2018	10/05/2018
CA	CERS TANKS	California Environmental Reporting System (CERS) Tanks	California Environmental Protection Agency	01/21/2020	01/22/2020	04/01/2020
US	ECHO	Enforcement & Compliance History Information	Environmental Protection Agency	04/04/2020	04/07/2020	06/26/2020
US	MINES MRDS	Mineral Resources Data System	USGS	04/06/2018	10/21/2019	10/24/2019
CA	WELL STIM PROJ	Well Stimulation Project (GEOTRACKER)	State Water Resources Control Board	05/13/2020	05/13/2020	05/15/2020

HISTORICAL USE RECORDS

US	EDR MGP	EDR Proprietary Manufactured Gas Plants	EDR, Inc.			
US	EDR Hist Auto	EDR Exclusive Historical Auto Stations	EDR, Inc.			
US	EDR Hist Cleaner	EDR Exclusive Historical Cleaners	EDR, Inc.			
CA	RGA LF	Recovered Government Archive Solid Waste Facilities List	Department of Resources Recycling and Recover		07/01/2013	01/13/2014
CA	RGA LUST	Recovered Government Archive Leaking Underground Storage Tan	State Water Resources Control Board		07/01/2013	12/30/2013

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

St	Acronym	Full Name	Government Agency	Gov Date	Arvl. Date	Active Date
COUNTY RECORDS						
CA	CS ALAMEDA	Contaminated Sites	Alameda County Environmental Health Services	01/09/2019	01/11/2019	03/05/2019
CA	UST ALAMEDA	Underground Tanks	Alameda County Environmental Health Services	01/06/2020	01/07/2020	03/06/2020
CA	CUPA AMADOR	CUPA Facility List	Amador County Environmental Health	05/18/2020	05/19/2020	06/01/2020
CA	CUPA BUTTE	CUPA Facility Listing	Public Health Department	04/21/2017	04/25/2017	08/09/2017
CA	CUPA CALVERAS	CUPA Facility Listing	Calveras County Environmental Health	03/27/2020	03/31/2020	06/15/2020
CA	CUPA COLUSA	CUPA Facility List	Health & Human Services	03/02/2020	03/04/2020	06/01/2020
CA	SL CONTRA COSTA	Site List	Contra Costa Health Services Department	02/14/2020	02/18/2020	04/24/2020
CA	CUPA DEL NORTE	CUPA Facility List	Del Norte County Environmental Health Divisio	12/27/2019	01/28/2020	04/09/2020
CA	CUPA EL DORADO	CUPA Facility List	El Dorado County Environmental Management Dep	12/31/2019	01/03/2020	03/05/2020
CA	CUPA FRESNO	CUPA Resources List	Dept. of Community Health	01/10/2020	03/31/2020	06/15/2020
CA	CUPA GLENN	CUPA Facility List	Glenn County Air Pollution Control District	01/22/2018	01/24/2018	03/14/2018
CA	CUPA HUMBOLDT	CUPA Facility List	Humboldt County Environmental Health	05/19/2020	05/20/2020	06/15/2020
CA	CUPA IMPERIAL	CUPA Facility List	San Diego Border Field Office	01/21/2020	01/23/2020	03/30/2020
CA	CUPA INYO	CUPA Facility List	Inyo County Environmental Health Services	04/02/2018	04/03/2018	06/14/2018
CA	UST KERN	Underground Storage Tank Sites & Tank Listing	Kern County Environment Health Services Depar	01/31/2020	02/05/2020	04/15/2020
CA	CUPA KINGS	CUPA Facility List	Kings County Department of Public Health	02/13/2020	02/14/2020	04/24/2020
CA	CUPA LAKE	CUPA Facility List	Lake County Environmental Health	01/15/2020	01/16/2020	04/01/2020
CA	CUPA LASSEN	CUPA Facility List	Lassen County Environmental Health	01/30/2020	01/31/2020	04/09/2020
CA	AOCONCERN	Key Areas of Concerns in Los Angeles County		03/30/2009	03/31/2009	10/23/2009
CA	HMS LOS ANGELES	HMS: Street Number List	Department of Public Works	03/26/2020	03/26/2020	06/15/2020
CA	LF LOS ANGELES	List of Solid Waste Facilities	La County Department of Public Works	01/13/2020	01/14/2020	03/24/2020
CA	LF LOS ANGELES CITY	City of Los Angeles Landfills	Engineering & Construction Division	01/01/2019	01/15/2019	03/07/2019
CA	LOS ANGELES AST	Active & Inactive AST Inventory	Los Angeles Fire Department	06/01/2019	06/25/2019	08/22/2019
CA	LOS ANGELES CO LF METHANE	Methane Producing Landfills	Los Angeles County Department of Public Works	04/30/2012	04/17/2019	05/29/2019
CA	LOS ANGELES HM	Active & Inactive Hazardous Materials Inventory	Los Angeles Fire Department	06/01/2019	06/25/2019	08/22/2019
CA	LOS ANGELES UST	Active & Inactive UST Inventory	Los Angeles Fire Department	06/01/2019	06/25/2019	08/22/2019
CA	SITE MIT LOS ANGELES	Site Mitigation List	Community Health Services	12/31/2019	01/14/2020	03/24/2020
CA	UST EL SEGUNDO	City of El Segundo Underground Storage Tank	City of El Segundo Fire Department	01/21/2017	04/19/2017	05/10/2017
CA	UST LONG BEACH	City of Long Beach Underground Storage Tank	City of Long Beach Fire Department	04/22/2019	04/23/2019	06/27/2019
CA	UST TORRANCE	City of Torrance Underground Storage Tank	City of Torrance Fire Department	06/27/2019	07/30/2019	10/02/2019
CA	CUPA MADERA	CUPA Facility List	Madera County Environmental Health	02/24/2020	02/25/2020	05/07/2020
CA	UST MARIN	Underground Storage Tank Sites	Public Works Department Waste Management	09/26/2018	10/04/2018	11/02/2018
CA	CUPA MERCED	CUPA Facility List	Merced County Environmental Health	11/18/2019	11/20/2019	01/03/2020
CA	CUPA MONO	CUPA Facility List	Mono County Health Department	02/21/2020	03/05/2020	05/13/2020
CA	CUPA MONTEREY	CUPA Facility Listing	Monterey County Health Department	11/06/2019	11/07/2019	01/08/2020
CA	LUST NAPA	Sites With Reported Contamination	Napa County Department of Environmental Manag	01/09/2017	01/11/2017	03/02/2017
CA	UST NAPA	Closed and Operating Underground Storage Tank Sites	Napa County Department of Environmental Manag	09/05/2019	09/09/2019	10/31/2019
CA	CUPA NEVADA	CUPA Facility List	Community Development Agency	02/05/2020	02/06/2020	04/15/2020
CA	IND_SITE ORANGE	List of Industrial Site Cleanups	Health Care Agency	01/02/2020	02/05/2020	04/15/2020
CA	LUST ORANGE	List of Underground Storage Tank Cleanups	Health Care Agency	01/02/2020	02/05/2020	04/15/2020
CA	UST ORANGE	List of Underground Storage Tank Facilities	Health Care Agency	01/02/2020	02/04/2020	04/10/2020
CA	MS PLACER	Master List of Facilities	Placer County Health and Human Services	03/02/2020	03/03/2020	05/13/2020
CA	CUPA PLUMAS	CUPA Facility List	Plumas County Environmental Health	03/31/2019	04/23/2019	06/26/2019
CA	LUST RIVERSIDE	Listing of Underground Tank Cleanup Sites	Department of Environmental Health	03/10/2020	03/11/2020	05/20/2020
CA	UST RIVERSIDE	Underground Storage Tank Tank List	Department of Environmental Health	03/10/2020	03/11/2020	05/20/2020

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

St	Acronym	Full Name	Government Agency	Gov Date	Arvl. Date	Active Date
CA	CS SACRAMENTO	Toxic Site Clean-Up List	Sacramento County Environmental Management	02/18/2020	03/31/2020	06/15/2020
CA	ML SACRAMENTO	Master Hazardous Materials Facility List	Sacramento County Environmental Management	02/24/2020	03/31/2020	06/17/2020
CA	CUPA SAN BENITO	CUPA Facility List	San Benito County Environmental Health	02/12/2020	02/13/2020	04/23/2020
CA	PERMITS SAN BERNARDINO	Hazardous Material Permits	San Bernardino County Fire Department Hazardo	02/25/2020	02/26/2020	05/07/2020
CA	HMMD SAN DIEGO	Hazardous Materials Management Division Database	Hazardous Materials Management Division	03/02/2020	03/03/2020	05/13/2020
CA	LF SAN DIEGO	Solid Waste Facilities	Department of Health Services	04/18/2018	04/24/2018	06/19/2018
CA	SAN DIEGO CO LOP	Local Oversight Program Listing	Department of Environmental Health	04/09/2020	04/10/2020	06/26/2020
CA	SAN DIEGO CO SAM	Environmental Case Listing	San Diego County Department of Environmental	03/23/2010	06/15/2010	07/09/2010
CA	LUST SAN FRANCISCO	Local Oversite Facilities	Department Of Public Health San Francisco Cou	09/19/2008	09/19/2008	09/29/2008
CA	UST SAN FRANCISCO	Underground Storage Tank Information	Department of Public Health	01/08/2020	01/09/2020	03/06/2020
CA	UST SAN JOAQUIN	San Joaquin Co. UST	Environmental Health Department	06/22/2018	06/26/2018	07/11/2018
CA	CUPA SAN LUIS OBISPO	CUPA Facility List	San Luis Obispo County Public Health Departme	02/18/2020	02/20/2020	04/24/2020
CA	BI SAN MATEO	Business Inventory	San Mateo County Environmental Health Service	02/20/2020	02/20/2020	04/24/2020
CA	LUST SAN MATEO	Fuel Leak List	San Mateo County Environmental Health Service	03/29/2019	03/29/2019	05/29/2019
CA	CUPA SANTA BARBARA	CUPA Facility Listing	Santa Barbara County Public Health Department	09/08/2011	09/09/2011	10/07/2011
CA	CUPA SANTA CLARA	Cupa Facility List	Department of Environmental Health	02/14/2020	02/19/2020	04/24/2020
CA	HIST LUST SANTA CLARA	HIST LUST - Fuel Leak Site Activity Report	Santa Clara Valley Water District	03/29/2005	03/30/2005	04/21/2005
CA	LUST SANTA CLARA	LOP Listing	Department of Environmental Health	03/03/2014	03/05/2014	03/18/2014
CA	SAN JOSE HAZMAT	Hazardous Material Facilities	City of San Jose Fire Department	04/22/2020	04/24/2020	05/07/2020
CA	CUPA SANTA CRUZ	CUPA Facility List	Santa Cruz County Environmental Health	01/21/2017	02/22/2017	05/23/2017
CA	CUPA SHASTA	CUPA Facility List	Shasta County Department of Resource Manageme	06/15/2017	06/19/2017	08/09/2017
CA	LUST SOLANO	Leaking Underground Storage Tanks	Solano County Department of Environmental Man	06/04/2019	06/06/2019	08/13/2019
CA	UST SOLANO	Underground Storage Tanks	Solano County Department of Environmental Man	03/02/2020	03/04/2020	05/14/2020
CA	CUPA SONOMA	Cupa Facility List	County of Sonoma Fire & Emergency Services De	02/25/2020	02/26/2020	03/11/2020
CA	LUST SONOMA	Leaking Underground Storage Tank Sites	Department of Health Services	04/03/2020	04/08/2020	06/26/2020
CA	CUPA STANISLAUS	CUPA Facility List	Stanislaus County Department of Ennvironmenta	02/04/2020	02/05/2020	04/15/2020
CA	UST SUTTER	Underground Storage Tanks	Sutter County Environmental Health Services	01/23/2020	03/03/2020	05/08/2020
CA	CUPA TEHAMA	CUPA Facility List	Tehama County Department of Environmental Hea	03/16/2020	03/17/2020	05/26/2020
CA	CUPA TRINITY	CUPA Facility List	Department of Toxic Substances Control	01/21/2020	01/23/2020	03/30/2020
CA	CUPA TULARE	CUPA Facility List	Tulare County Environmental Health Services D	02/10/2020	02/11/2020	04/20/2020
CA	CUPA TUOLUMNE	CUPA Facility List	Divison of Environmental Health	04/23/2018	04/25/2018	06/25/2018
CA	BWT VENTURA	Business Plan, Hazardous Waste Producers, and Operating Unde	Ventura County Environmental Health Division	12/26/2019	01/24/2020	04/01/2020
CA	LF VENTURA	Inventory of Illegal Abandoned and Inactive Sites	Environmental Health Division	12/01/2011	12/01/2011	01/19/2012
CA	LUST VENTURA	Listing of Underground Tank Cleanup Sites	Environmental Health Division	05/29/2008	06/24/2008	07/31/2008
CA	MED WASTE VENTURA	Medical Waste Program List	Ventura County Resource Management Agency	12/26/2019	01/24/2020	04/01/2020
CA	UST VENTURA	Underground Tank Closed Sites List	Environmental Health Division	01/27/2020	03/10/2020	05/20/2020
CA	UST YOLO	Underground Storage Tank Comprehensive Facility Report	Yolo County Department of Health	03/23/2020	04/01/2020	06/17/2020
CA	CUPA YUBA	CUPA Facility List	Yuba County Environmental Health Department	01/27/2020	02/12/2020	04/23/2020

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

St	Acronym	Full Name	Government Agency	Gov Date	Arvl. Date	Active Date

STREET AND ADDRESS INFORMATION

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Kings County Fire Station
7622 HOUSTON AVE
HANFORD, CA 93230

Inquiry Number: 6108676.3
July 01, 2020

Certified Sanborn® Map Report

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

Certified Sanborn® Map Report

07/01/20

Site Name:

Kings County Fire Station
7622 HOUSTON AVE
HANFORD, CA 93230
EDR Inquiry # 6108676.3

Client Name:

Provost & Pritchard Eng. Group
286 West Cromwell Ave.
Fresno, CA 93711
Contact: Stephanie Gillaspy

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Certification # AB6D-427D-9D49

PO # 1318-20-002 TK2D

Project Kings County Fire Station

UNMAPPED PROPERTY

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Sanborn® Library search results

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KINGS COUNTY FIRE STATION
7622 HOUSTON AVE
HANFORD, CA 93230

Inquiry Number: 6108676.7S
JULY 9, 2020

EDR Environmental Lien and AUL Search

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

EDR Environmental Lien and AUL Search

The EDR Environmental Lien Search Report provides results from a search of available current land title records for environmental cleanup liens and other activity and use limitations, such as engineering controls and institutional controls.

A network of professional, trained researchers, following established procedures, uses client supplied address information to:

- search for parcel information and/or legal description;
- search for ownership information;
- research official land title documents recorded at jurisdictional agencies such as recorders' offices, registries of deeds, county clerks' offices, etc.;
- access a copy of the deed;
- search for environmental encumbering instrument(s) associated with the deed;
- provide a copy of any environmental encumbrance(s) based upon a review of key words in the instrument(s) (title, parties involved, and description); and
- provide a copy of the deed or cite documents reviewed.

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

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EDR Environmental Lien and AUL Search

TARGET PROPERTY INFORMATION

ADDRESS

KINGS COUNTY FIRE STATION
7622 HOUSTON AVE
HANFORD, CA 93230

RESEARCH SOURCE

Source 1: KINGS COUNTY RECORDER'S OFFICE

Source 2: CALIFORNIA ENVIRONMENTAL PROTECTION AGENCY

Source 3: UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

PROPERTY INFORMATION

Deed 1

Type of Deed:	NO DEED FOUND 1980 - PRESENT
Title is vested in:	KIT CARSON UNION ELEMETARY SCHOOL DISTRICT
Title received from:	NA
Date Executed:	NA
Date Recorded:	NA
Book:	NA
Page:	NA
Volume:	NA
Instrument#:	NA
Docket:	NA
Land Record Comments:	NA
Miscellaneous Comments:	NO DEED IMAGE

Legal Description:

Current Owner: KIT CARSON UNION ELEMETARY SCHOOL DISTRICT

Property Identifiers: 016-130-085-000

Comments: NA

EDR Environmental Lien and AUL Search

ENVIRONMENTAL LIEN

Environmental Lien: Found ☐ Not Found ☒

Comments: NONE IDENTIFIED.

OTHER ACTIVITY AND USE LIMITATIONS (AULS)

Other AUL's: Found ☐ Not Found ☒

Comments: NONE IDENTIFIED.

EDR Environmental Lien and AUL Search

MISCELLANEOUS

Type of Instrument:	WASTE DISCHARGE REQUIREMENTS
First Party:	CALIFORNIA ENVIRONMENTAL PROTECTION AGENCY
Second Party:	KIT CARSON UNION ELEMETARY SCHOOL DISTRICT
Date Executed:	NA
Date Recorded:	NA
Instrument #:	NA
Book:	NA
Page:	NA
Comments:	

Type of Instrument:	FACILITY DETAILS
First Party:	CALIFORNIA ENVIRONMENTAL PROTECTION AGENCY
Second Party:	KINGS COUNTY FIRE DEPARTMENT
Date Executed:	NA
Date Recorded:	NA
Instrument #:	NA
Book:	NA
Page:	NA
Comments:	

STATE WATER RESOURCES CONTROL BOARD (SWRCB)
WATER QUALITY ORDER NO. 2003 – 0005 – DWQ

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
GENERAL PERMIT NO. CAS000004

WASTE DISCHARGE REQUIRMENTS (WDRS)
FOR
STORM WATER DISCHARGES FROM
SMALL MUNICIPAL SEPARATE STORM SEWER SYSTEMS (GENERAL PERMIT)

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- Attachment 3: Non-Traditional Small MS4s
- Attachment 4: Supplemental Provisions
- Attachment 5: Communities Subject to Attachment 4
- Attachment 6: Instructions for Completing the Notice of Intent to Comply with the General Permit for the Discharge of Storm Water From Small MS4s
- Attachment 7: Notice of Intent to Comply with the General Permit for the Discharge of Storm Water From Small MS4s
- Attachment 8: Regional Water Quality Control Board Contacts
- Attachment 9: Glossary of Terms

FACT SHEET
FOR
STATE WATER RESOURCES CONTROL BOARD (SWRCB)
WATER QUALITY ORDER NO. 2003 – 0005 – DWQ

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
GENERAL PERMIT NO. CAS000004

WASTE DISCHARGE REQUIREMENTS (WDRS)
FOR
STORM WATER DISCHARGES FROM
SMALL MUNICIPAL SEPARATE STORM SEWER SYSTEMS (GENERAL PERMIT)

BACKGROUND

In 1972, the federal Water Pollution Control Act (also referred to as the Clean Water Act [CWA]) was amended to provide that the discharge of pollutants to waters of the United States from any point source is unlawful unless the discharge is in compliance with a NPDES permit. The 1987 amendments to CWA added section 402(p), which established a framework for regulating storm water discharges under the NPDES Program. Subsequently, in 1990, the U.S. Environmental Protection Agency (U.S. EPA) promulgated regulations for permitting storm water discharges from industrial sites (including construction sites that disturb five acres or more) and from municipal separate storm sewer systems (MS4s) serving a population of 100,000 people or more. These regulations, known as the Phase I regulations, require operators of medium and large MS4s to obtain storm water permits. On December 8, 1999, U.S. EPA promulgated regulations, known as Phase II, requiring permits for storm water discharges from Small MS4s and from construction sites disturbing between one and five acres of land. This General Permit regulates storm water discharges from Small MS4s.

An "MS4" is a conveyance or system of conveyances (including roads with drainage systems, municipal streets, catch basins, curbs, gutters, ditches, man-made channels, or storm drains): (i) designed or used for collecting or conveying storm water; (ii) which is not a combined sewer; and (iii) which is not part of a Publicly Owned Treatment Works (POTW). [See Title 40, Code of Federal Regulations (40 CFR) §122.26(b)(8).]

A "Small MS4" is an MS4 that is not permitted under the municipal Phase I regulations, and which is "owned or operated by the United States, a State, city, town, borough, county, parish, district, association, or other public body (created by or pursuant to State law) having jurisdiction over disposal of sewage, industrial wastes, storm water, or other wastes, including special districts under State law such as a sewer district, flood control district or drainage district, or similar entity…." (40 CFR §122.26(b)(16)). Small MS4s *include systems similar to separate storm sewer systems in municipalities, such as systems at military bases, large hospital or prison complexes, and highways and other thoroughfares, but do not include separate storm sewers in*

very discrete areas, such as individual buildings. This permit refers to MS4s that operate throughout a community as "traditional MS4s" and MS4s that are similar to traditional MS4s but operated at a separate campus or facility as "non-traditional MS4s."

Federal regulations allow two permitting options for storm water discharges (individual permits and general permits). SWRCB elected to adopt a statewide general permit for Small MS4s in order to efficiently regulate numerous storm water discharges under a single permit. In certain situations a storm water discharge may be more appropriately and effectively regulated by an individual permit, a region-specific general permit, or by inclusion in an existing Phase I permit. In these situations, the Regional Water Quality Control Board (RWQCB) Executive Officer will direct the Small MS4 operator to submit the appropriate application, in lieu of a Notice of Intent (NOI) to comply with the terms of this General Permit. In these situations, the individual or regional permits will govern, rather than this General Permit.

NINTH CIRCUIT COURT RULING

On January 14, 2003, the Ninth Circuit Court issued its decision in *Environmental Defense Center v. EPA*. This ruling upheld the Phase II regulations on all but three of the 20 issues contested. In summary, the court determined that applications for general permit coverage (including the NOI and Storm Water Management Program [SWMP]) must be made available to the public, the applications must be reviewed and determined to meet the Maximum Extent Practicable standard by the permitting authority before coverage commences, and there must be a process to accommodate public hearings. This General Permit is consistent with the ruling. Should the ruling be revised or vacated in the future, SWRCB may modify the General Permit.

ENTITIES SUBJECT TO THIS GENERAL PERMIT

This General Permit regulates discharges of storm water from "regulated Small MS4s." A "regulated Small MS4" is defined as a Small MS4 that discharges to a water of the United States (U.S.) or to another MS4 regulated by an NPDES permit, and which is designated in one of the following ways:

1. Automatically designated by U.S. EPA pursuant to 40 CFR section 122.32(a)(1) because it is located within an urbanized area defined by the Bureau of the Census (see Attachment 1); or

2. Traditional Small MS4s that serve cities, counties, and unincorporated areas that are designated by SWRCB or RWQCB after consideration of the following factors:

    a. High population density – High population density means an area with greater than 1,000 residents per square mile. Also to be considered in this definition is a high density created by a non-residential population, such as tourists or commuters.

    b. High growth or growth potential – If an area grew by more than 25 percent between 1990 and 2000, it is a high growth area. If an area anticipates a growth rate of more than 25 percent over a 10-year period ending prior to the end of the first permit term, it has high growth potential.

c. Significant contributor of pollutants to an interconnected permitted MS4 – A Small MS4 is interconnected with a separately permitted MS4 if storm water that has entered the Small MS4 is allowed to flow directly into a permitted MS4. In general, if the Small MS4 discharges more than 10 percent of its storm water to the permitted MS4, or its discharge makes up more than 10 percent of the other permitted MS4's total storm water volume, it is a significant contributor of pollutants to the permitted MS4. In specific cases, the MS4s involved or third parties may show that the 10 percent threshold is inappropriate for the MS4 in question.

d. Discharge to sensitive water bodies – Sensitive water bodies are receiving waters, which are a priority to protect. They include the following:

- those listed as providing or known to provide habitat for threatened or endangered species;
- those used for recreation that are subject to beach closings or health warnings; or
- those listed as impaired pursuant to CWA section 303(d) due to constituents of concern in urban runoff (these include biochemical oxygen demand [BOD], sediment, pathogens, petroleum hydrocarbons, heavy metals, floatables, polycyclic aromatic hydrocarbons [PAHs], trash, and other constituents that are found in the MS4 discharge).

Additional criteria to qualify as a sensitive water body may exist and may be determined by SWRCB or RWQCB on a case-by-case basis.

e. Significant contributor of pollutants to waters of the U.S. – Specific conditions presented by the MS4 may lead to significant pollutant loading to waters of the U.S. that are otherwise unregulated or inadequately regulated. An example of such a condition may be the presence of a large transportation industry.

These factors are to be considered when evaluating whether a Small MS4 should be regulated pursuant to this General Permit. An MS4 and the population that it serves need not meet all of the factors to be designated. SWRCB designates a number of Small MS4s according to these criteria through this General Permit (see Attachment 2).

Non-traditional Small MS4s may also be designated to seek permit coverage. These include non-traditional MS4s that are located within or discharge to a permitted MS4 and those that pose significant water quality threats. In general, these are storm water systems serving public campuses (including universities, community colleges, primary schools, and other publicly owned learning institutions with campuses), military bases, and prison and hospital complexes within or adjacent to other regulated MS4s, or which pose significant water quality threats. SWRCB considered designating non-traditional Small MS4s when adopting this General Permit. However, the *Environmental Defense Center* ruling requires that SWRCB and RWQCBs change their procedures for implementing this General Permit. In compliance with that decision, each

NOI and SWMP must be reviewed and approved, and in some cases considered in a public hearing, prior to the Small MS4 obtaining coverage under the General Permit. Therefore, SWRCB is delaying making these designations and the General Permit does not designate any non-traditional MS4s. A list of non-traditional MS4s that are anticipated to be designated within this permit term is included in Attachment 3 of this General Permit. These or other non-traditional MS4s may be designated by SWRCB or RWQCB at any time subsequent to the adoption of this General Permit.

The criteria selected to designate Small MS4s to be regulated are based on the potential to impact water quality due to conditions influencing discharges into their system or due to where they discharge. Some of the definitions provide "cut-off numbers." Although there is no regulatory standard that mandates which numbers to use, dividing lines must be established in order to effectively use them as criteria.

Specifically, the high growth factor uses 25 percent growth over ten years. The average growth (based on county data from the Census) in California between 1990 and 2000 was 15.8 percent. The standard deviation was 9.9. Growth rates outside one standard deviation are more than 25.7 percent. The standard deviation is generally an indication of the spread of data. In defining the high growth factor, the standard deviation was used because it sets the limits within which most areas of California fall. County data was used because it was consistently available, whereas 1990 populations for several of the cities and places were not readily available. Additionally, county data gives a broader picture of the growth dynamics in California. Because the data is not normally distributed, 68 percent of the data points do not necessarily fall within one standard deviation of the mean. It does, however, provide a number in which to compare city and place growth rates to the average growth rate of California. The number was rounded to 25 percent for ease of application and with the understanding that it is an approximation.

The significant contributor of pollutants to an interconnected permitted MS4 definition uses a volume value of 10 percent, with the assumption that storm water contains pollutants. This is meant to capture flows that may affect water quality or the permit compliance status of another MS4, but exclude incidental flows between communities.

APPLICATION REQUIREMENTS

Regulated Small MS4s, automatically designated because they are within an urbanized area (Attachment 1), must submit to the appropriate RWQCB by August 8, 2003 a complete application package. A complete package includes an NOI (Attachment 7), a complete SWMP (one hard copy and one electronic copy in Word or PDF format), and an appropriate fee.

The August 8, 2003 deadline is an administrative deadline to comply with the General Permit. Section 122.33(c)(1) of 40 CFR required automatically designated Small MS4s to submit an application by March 10, 2003. Those applications received from Small MS4s that submitted applications to comply with the federal deadline will be considered as an application to meet the requirements of this General Permit. If the application package is deemed complete by the RWQCB staff, it will be posted on the internet and made available for public review and public hearing if requested subsequent to permit adoption.

Regulated Small MS4s that are traditional MS4s designated by the SWRCB or RWQCB must submit to the appropriate RWQCB, within 180 days of notification of designation (or at a later

date stated by SWRCB or RWQCB), an NOI (Attachment 7), a complete SWMP (one hard copy and one electronic copy in Word or PDF format), and an appropriate fee. Those traditional MS4s identified in Attachment 2 of this General Permit are being notified of their designation by SWRCB upon adoption of this General Permit. They must, therefore, submit their NOI and SWMP by October 27, 2003.

Regulated Small MS4s that are non-traditional MS4s designated by SWRCB or RWQCB, including those in Attachment 3, must submit to the appropriate RWQCB, within 180 days of notification of designation (or at a later date stated by SWRCB or RWQCB), an NOI (Attachment 7), a complete SWMP (one hard copy and one electronic copy in Word or PDF format), and an appropriate fee.

Regulated Small MS4s relying entirely on Separate Implementing Entities (SIEs) that are also permitted, to implement their entire storm water programs are not required to submit a SWMP if the SIE being relied on has an approved SWMP. Proof of SWMP approval, such as a copy of the RWQCB letter, must be submitted to the RWQCB by the applying Small MS4, along with the NOI and an appropriate fee.

Regulated Small MS4s that fail to obtain coverage under this General Permit or another NPDES permit for storm water discharges will be in violation of the CWA and the Porter-Cologne Water Quality Control Act.

Receipt of applications deemed complete by RWQCB staff will be acknowledged on SWRCB's website at http://www.swrcb.ca.gov/stormwtr/index.html for a minimum of 60 days. When a SWMP is received by an RWQCB, those members of the public that have indicated they would like to receive notice, will receive an email from RWQCB staff that a SWMP has been received. During this 60-day public review period, a member of the public may request a copy of the SWMP and request that a public hearing be held by RWQCB. If a public hearing is requested, the hearing itself will be public noticed for a minimum of 30 days. If no hearing is requested, the RWQCB Executive Officer will notify the regulated MS4 that it has obtained permit coverage only after RWQCB staff has reviewed the SWMP and has determined that the SWMP meets the MEP standard established in this permit.

Attachment 8 lists RWQCB contact information for questions and submittals.

GENERAL PERMIT REQUIREMENTS

Prohibitions

This General Permit effectively prohibits the discharge of materials other than storm water that are not "authorized non-storm water discharges" (see General Permit § D.2.c) or authorized by a separate NPDES permit. This General Permit also incorporates discharge prohibitions contained in Statewide Water Quality Control Plans and Regional Water Quality Control Plans (Basin Plans).

Effluent Limitations

Permittees must implement Best Management Practices (BMPs) that reduce pollutants in storm water runoff to the technology-based standard of Maximum Extent Practicable (MEP) to protect water quality. In accordance with 40 CFR section 122.44(k)(2), the inclusion of BMPs in lieu of numeric effluent limitations is appropriate in storm water permits.

Discharges shall not contain reportable quantities of hazardous substance as established at 40 CFR section 117.3 or 40 CFR section 302.4.

Preparation of SWMP

This General Permit requires regulated Small MS4s to:

1. Develop and implement a SWMP that describes BMPs, measurable goals, and timetables for implementation in the following six program areas (Minimum Control Measures):

   Public Education

   The Permittee must educate the public in its permitted jurisdiction about the importance of the storm water program and the public's role in the program.

   Public Participation

   The Permittee must comply with all State and local notice requirements when implementing a public involvement/participation program.

   Illicit Discharge Detection and Elimination

   The Permittee must adopt and enforce ordinances or take equivalent measures that prohibit illicit discharges. The Permittee must also implement a program to detect illicit discharges.

   Construction Site Storm Water Runoff Control

   The Permittee must develop a program to control the discharge of pollutants from construction sites greater than or equal to one acre in size within its permitted jurisdiction. The program must include inspections of construction sites and enforcement actions against violators.

   Post Construction Storm Water Management

   The Permittee must require long-term post-construction BMPs that protect water quality and control runoff flow, to be incorporated into development and significant redevelopment projects. Post-construction programs are most efficient when they stress (i) low impact design; (ii) source controls; and (iii) treatment controls.

   For non-traditional MS4s that seek coverage under this Permit, implementation of this

control measure will not require redesign of projects under active construction at the time of designation or for K-12 school or community college facilities that have been submitted to the Department of General Services, Division of the State Architect before adoption of the permit, and which receive final approval from the State Allocation Board or the Public Works Board, as appropriate on or before December 31, 2004. SWMP must, however, specify how the control measure will be implemented within five years of designation.

Pollution Prevention/Good Housekeeping for Municipal Operations

The Permittee must examine its own activities and develop a program to prevent the discharge of pollutants from these activities. At a minimum, the program must educate staff on pollution prevention, and minimize pollutant sources.

2. Reduce its discharge of pollutants to the MEP.

3. Annually report on the progress of SWMP implementation.

Development and Implementation of SWMP

SWMP must describe how pollutants in storm water runoff will be controlled and describe BMPs that address the six Minimum Control Measures. Each BMP must have accompanying measurable goals that will be achieved during the permit term, or within five years of designation if designated subsequent to permit adoption, as a means of determining program compliance and accomplishments and as an indicator of potential program effectiveness. The measurable goals should be definable tasks such as number of outreach presentations to make, number of radio spots to purchase, or percentage of pollutant loading to reduce (other examples of measurable goals can be found on U.S. EPA's web-site at http://cfpub.epa.gov/npdes/stormwater/measurablegoals/index.cfm). This approach provides the flexibility to target an MS4's problem areas while working within the existing organization.

It is not anticipated that the SWMP be fully implemented upon submittal with the NOI. It is the intent of this General Permit that SWMPs submitted with the NOI contain sufficient information such that RWQCB staff and interested parties understand the BMPs that will be implemented or will be developed and implemented over the course of the General Permit term or, for Small MS4s designated subsequent to permit adoption, over a five–year period from designation. It is also expected that SWMPs will protect water quality, contain measurable goals and schedules, and assign responsible parties for each BMP. It is anticipated that the SWMP initially submitted may be revised or modified based on review of RWQCB staff or on comments provided by interested parties in accordance with Provisions G and H.19 of the General Permit.

For example, it may be proposed that a storm water logo be developed (or an existing one modified) by the end of the first year; an ordinance prohibiting non-storm water discharges be adopted by the end of the second year; a survey of non-storm water discharges throughout the city be completed by the end of the second year; a brochure targeting the restaurant community regarding proper practices to eliminate non-storm water discharges be developed or obtained by the end of the fourth year; and the brochure be distributed to 25 percent of the restaurants

within the city during health department inspections by the end of the fifth year. (This example mentions only one activity each year. In fact, numerous activities will occur throughout the permit term that ensure that a SWMP addressing all six Minimum Control Measures is implemented by the end of the permit term, or within five years of designation for Small MS4s designated subsequent to adoption of the Permit.)

The main goal of this General Permit is to protect water quality from the impacts of storm water runoff from Small MS4s. The intent is that storm water quality impacts will be considered in all aspects of a municipality's activities and that multiple departments within the municipality will work together to implement storm water BMPs. For instance, the planning department may work with the public works department when considering projects and their potential storm water impacts. Also, the health department can work with public works in a complementary manner to spread a consistent message about illicit discharges.

Many of the activities that a municipality already does can be recognized as a benefit to storm water or can be modified to add a storm water quality twist. A critical element of SWMP development is an assessment of activities already being conducted. For example, many communities already have a household hazardous waste program, which can be assumed to reduce illicit discharges to the MS4. Likewise, they examine potential flooding impacts of new development. This process can be modified to also examine water quality impacts as well as quantity.

Similarly, the Minimum Control Measures emphasize working with the public to prevent pollution during their everyday activities as well as to gain support for program funding. The MS4 has the flexibility to target specific segments of its residential or employee population in ways that are most appropriate for that particular segment. Taken together, the suite of public education approaches an MS4 takes can create a robust multimedia campaign that has a single message, which is threaded throughout the community through implementation of BMPs in the six program areas.

For links to information on how to implement each of the Minimum Control Measures, including sample ordinances that address the respective Minimum Control Measures, please see SWRCB's internet site at http://www.swrcb.ca.gov/stormwtr/municipal.html. Additionally, in accordance with 40 CFR section 122.34(d)(2), SWRCB provides U.S. EPA's menu of BMPs to consider when developing a SWMP. This menu is available on U.S. EPA's internet site at http://cfpub1.epa.gov/npdes/stormwater/swphase2.cfm?program_id=6. The menu provides examples of BMPs and associated measurable goals; however, other BMPs and measurable goals may be used.

MEP

MEP is the technology-based standard established by Congress in CWA section 402(p)(3)(B)(iii) that municipal dischargers of storm water must meet. Technology-based standards establish the level of pollutant reductions that dischargers must achieve. MEP is generally a result of emphasizing pollution prevention and source control BMPs as the first lines of defense in

combination with structural and treatment methods where appropriate serving as additional lines of defense. The MEP approach is an ever evolving, flexible, and advancing concept, which considers technical and economic feasibility. As knowledge about controlling urban runoff continues to evolve, so does that which constitutes MEP. The individual and collective activities elucidated in the MS4's SWMP become its proposal for reducing or eliminating pollutants in storm water to the MEP. The way in which MEP is met may vary between communities.

The MEP standard applies to all regulated MS4s, including those in Phase I and Small MS4s regulated by this General Permit. Consistent with U.S. EPA guidance, the MEP standard in California is applied so that a first-round storm water permit requires BMPs that will be expanded or better-tailored in subsequent permits. In choosing BMPs, the major focus is on technical feasibility, but cost, effectiveness, and public acceptance are also relevant. If a Permittee chooses only the most inexpensive BMPs, it is likely that MEP has not been met. If a Permittee employs all applicable BMPs except those that are not technically feasible in the locality, or whose cost exceeds any benefit to be derived, it would meet the MEP standard. MEP requires Permittees to choose effective BMPs, and to reject applicable BMPs only where other effective BMPs will serve the same purpose, the BMPs are not technically feasible, or the cost is prohibitive. (See SWRCB Order WQ 2000-11, http://www.swrcb.ca.gov/resdec/wqorders/2000/00wqo.html.)

Generally, in order to meet MEP, communities that have greater water quality impacts must put forth a greater level of effort. Alternatively, for similar water quality conditions, communities should put forth an equivalent level of effort. However, because larger communities have greater resources (both financial resources as well as existing related programs that can help in implementing storm water quality programs), it may appear that they have more robust storm water programs. Additionally, because storm water programs are locally driven and local conditions vary, some BMPs may be more effective in one community than in another. A community that has a high growth rate would derive more benefit on focusing on construction and post-construction programs than on an illicit connection program because illicit connections are more prevalent in older communities.

In accordance with the Ninth Circuit Court ruling, prior to obtaining permit coverage, SWMPs will be evaluated for compliance with the MEP standard by the RWQCB Executive Officer or, if requested, considered for approval in a public hearing conducted by RWQCB.

Many Phase I MS4s have been permitted under storm water regulations for more than ten years and have had that time to develop programs intended to reduce pollutants in their storm water discharge to MEP. It is understood that storm water quality programs and regulations are new to the entities that will be regulated under this General Permit. Therefore, it is anticipated that this General Permit term will serve as a "ramping-up" period and that programs implemented by Phase II communities will not necessarily conform to programs implemented by Phase I communities. Despite this understanding, however, many of the lessons learned and information developed by Phase I communities is available to smaller communities as a guide and may be used by Phase II communities.

By the expiration date of this General Permit, traditional and non-traditional Small MS4s serving a population of 50,000 people or more, or that are subject to high growth, must require specific design standards as part of their post-construction program (as outlined in Attachment 4 of this General Permit, or a functionally equivalent program that is acceptable to the appropriate RWQCB), and they must comply with water quality standards through implementing better-tailored BMPs in an iterative process. These more stringent requirements are applied to communities that are larger and, therefore, capable of a more extensive storm water program, and to communities that are fast growing, and therefore may have greater impacts on storm water runoff associated with construction and the loss of pervious lands. Studies have found the amount of impervious surface in a community is strongly correlated with the community's water quality. New development and redevelopment result in increased impervious surfaces in a community. The design standards in Attachment 4 focus on mitigating the impacts caused by increased impervious surfaces through establishing minimum BMP requirements that stress (i) low impact design; (ii) source controls; and (iii) treatment controls. The design standards include minimum sizing criteria for treatment controls and establish maintenance requirements.

BMPs that may be used to comply with the design standards can be found in U.S. EPA's Toolbox of BMPs at http://cfpub1.epa.gov/npdes/stormwater/swphase2.cfm?program_id=6. Additionally, some RWQCBs may have lists of approved references and resources.

Small MS4s designated subsequent to permit adoption have five years from designation to achieve compliance with the Supplemental Provisions. Attachment 5 provides a list of communities that SWRCB anticipates being subject to the provisions in Attachment 4.

Receiving Water Limitations

Attachment 4 establishes receiving water limitations that apply to larger and fast-growing regulated Small MS4s that are required to comply with Supplemental Provisions of this General Permit. This permit allows regulated Small MS4s up to five years to fully implement their SWMPs. Therefore, regulated Small MS4s must begin to comply with the receiving water limitations iterative process once their plans are fully implemented. The receiving water limitation language provided in this General Permit is identical to the language established in SWRCB Water Quality Order WQ-99-05 adopted by SWRCB on June 17, 1999. As interpreted in SWRCB Water Quality Order WQ-2001-15, adopted by SWRCB on November 15, 2001, the receiving water limitations in this General Permit do not require strict compliance with water quality standards. SWRCB language requires that SWMPs be designed to achieve compliance with water quality standards over time, through an iterative approach requiring improved BMPs. Upon full implementation of the SWMP, exceedances of water quality standards must be addressed through the iterative process.

Reporting Requirements

The Permittee must track and assess its program to ensure BMP effectiveness and must conform to other monitoring requirements that may be imposed by RWQCB.

The Permittee is required to submit annual reports to the appropriate RWQCB by September 15th of each year (for Small MS4s designated with the adoption of this permit, the first annual report is to be submitted in 2004), or as otherwise required by the RWQCB Executive Officer. Among other things, the Permittee shall evaluate its compliance with permit conditions, evaluate and assess the effectiveness of its BMPs, summarize the results of any monitoring performed, summarize the activities planned for the next reporting cycle, and, if necessary, propose changes to SWMP.

Monitoring

Inspections, as a form of visual monitoring, are important to a storm water program. Inspections of storm water runoff and infrastructure (such as drop inlets, basins, and gutters) can say a lot about the effectiveness and needs of a storm water program. Through inspections, non-storm water discharges can be discovered and subsequently stopped, maintenance needs can be identified, and visual pollutants and erosion problems can be detected. Inspections of facilities are also important for public education and outreach, to ensure proper BMP implementation and maintenance, and to detect non-storm water discharges. Additionally, chemical monitoring can be used to involve the public through citizen monitoring groups, detect pollutants, identify and target pollutants of concern, illustrate water quality improvements and permit compliance, and participate in total maximum daily load (TMDL) development and implementation.

Monitoring environmental indicators through bio-assessments or other less technical methods may also be a key component of a program. Although it may be more challenging, it is also very valuable because it is the "final product," not just for a storm water program but for the broader environmental health of a community.

More specifically, the objectives of a monitoring program may include:

- Assessing compliance with this General Permit;
- Measuring and improving the effectiveness of SWMP;
- Assessing the chemical, physical, and biological impacts on receiving waters resulting from urban runoff;
- Characterizing storm water discharges;
- Identifying sources of pollutants; and
- Assessing the overall health and evaluating long-term trends in receiving water quality.

While only inspections of construction sites, as part of the Construction Site Storm Water Runoff Control Minimum Control Measure, are specifically required, as elucidated above, other monitoring tasks may be appropriate in a storm water program. Also, the RWQCB can require additional monitoring.

Termination of Coverage

A Permittee may terminate coverage if: a new operator has assumed responsibility for the regulated Small MS4; the Permittee has ceased operation of its MS4; or all discharge of runoff from the Small MS4 has been eliminated. To terminate coverage, the Permittee must submit to RWQCB a written request for permit termination.

Reliance on a SIE

A Permittee may rely on a separate entity to implement one or more of the six Minimum Control Measures, if the separate entity can appropriately and adequately address the storm water issues of the Permittee. To do this, both entities must agree to the arrangement, and the Permittee must comply with the applicable parts of the SIE's program. The arrangement is subject to the approval of the RWQCB Executive Officer.

In accordance with section 122.35(a)(3), the Permittee remains responsible for compliance with its permit obligations if SIE fails to implement the control measure(s) (or component thereof). Therefore, the entities are encouraged to enter into a legally binding agreement to minimize any uncertainty about compliance with the permit.

If the Permittee relies on an SIE to implement all six Minimum Control Measures and SIE also has a storm water permit, the Permittee relying on SIE must still submit an NOI, appropriate fee, proof that SIE's SWMP has been approved by RWQCB or its staff, and certification of the arrangement. However, the Permittee is not required to develop or submit a SWMP or annual reports, unless requested to do so by the RWQCB Executive Officer. The arrangement is subject to the approval of the RWQCB Executive Officer.

School districts present an example of where an SIE arrangement may be appropriate, either by forming an agreement with a city or with an umbrella agency, such as the County Office of Education. Because schools provide a large audience for storm water education, as part of the agreement, the two entities may coordinate an education program. An individual school or a school district may agree to provide a one-hour slot for all the second and fifth grade classes during which the city would bring in its own storm water presentation. Alternatively, the school could agree to teach a lesson in conjunction with an outdoor education science project, which may also incorporate a public involvement component. Additionally, the school and the city or Office of Education may arrange to have the school's maintenance staff attend the other entity's training sessions.

Retention of Records

The Permittee is required to retain records of all monitoring information and copies of all reports required by this General Permit for a period of at least five years from the date generated. This period may be extended by request of SWRCB or RWQCB.

Role of RWQCBs

RWQCBs and their staff will review and decide whether to approve SWMPs and, where requested, conduct public hearings on NOIs and SWMPs. Upon approval, they will notify Permittees that they have obtained permit coverage. They will also oversee implementation and compliance with this General Permit. As appropriate, they will review reports, require modification to SWMPs and other submissions, impose region-specific monitoring requirements, conduct inspections, take enforcement actions against violators of this General Permit, and make additional designations of regulated Small MS4s pursuant to this General Permit. They may also issue individual permits to regulated Small MS4s, and alternative general permits to categories of regulated Small MS4s. Upon issuance of such permits by an RWQCB, this General Permit shall no longer regulate the affected Small MS4s.

The Permittee and RWQCB are encouraged to work together to accomplish the goals of the storm water program. Specifically, they can coordinate the oversight of construction and industrial sites. For example, Permittees are required to implement a construction program. This program must include procedures for construction site inspection and enforcement. Construction sites disturbing an acre of land or more are also subject to inspections by RWQCB under the Statewide General Permit for Discharges of Storm Water Associated with Construction Activity. U.S. EPA intended to provide a structure that requires permitting through the federal CWA while at the same time achieving local oversight of construction projects. A structured plan review process and field enforcement at the local level, which is also required by this General Permit, were cited in the preamble to the Phase II regulations as the most effective components of a construction program.

Similarly, as part of the illicit discharge detection and elimination program, the Permittee may inspect facilities that are permitted by the Statewide General Permit for Discharges of Storm Water Associated with Industrial Activity and subject to RWQCB inspections.

The Small MS4 and RWQCB are encouraged to coordinate efforts and use each of their enforcement tools in the most effective manner. For instance, the Small MS4 may identify a construction site operator that is not in compliance with the local requirements and the Construction General Permit. The Small MS4 may establish a fee for re-inspection if a site is out of compliance. If education efforts and the inspection fee fail to bring the site into compliance, the Small MS4 may contact RWQCB and arrange a dual inspection and start enforcement procedures under the CWA if compliance is not achieved.

Relationship Between the Small MS4 Permit and the General Permit for Discharges of Storm Water Associated with Industrial Activity (Industrial Permit)

Some MS4 operators may also have facilities that are subject to the Industrial Permit. While the intent of both of these permits is to reduce pollutants in storm water, neither permit's requirements totally encompass the other. This General Permit requires that MS4 operators address six Minimum Control Measures, while the Industrial Permit requires the development and implementation of Storm Water Pollution Prevention Plans (SWPPP) for certain "industrial" activities as well as requiring specific visual and chemical monitoring. In the Preamble to the Phase II regulations, U.S. EPA notes that for a combination permit to be acceptable, it must contain all of the requirements for each permit. Further, "when viewed in its entirety, a

combination permit, which by necessity would need to contain all elements of otherwise separate industrial and MS4 permit requirements, and require NOI information for each separate industrial activity, may have few advantages when compared to obtaining separate MS4 and industrial general permit coverage."

Where the permits do overlap, one program may reference the other. More specifically, the Good Housekeeping for Municipal Operations Minimum Control Measure requires evaluation of municipal operations, some of which may be covered under the Industrial Permit. The development and implementation of SWPPP under the Industrial Permit will likely satisfy the Good Housekeeping requirements for those industrial activities. SWMP may incorporate by reference the appropriate SWPPP.

There may be instances where a non-traditional MS4 has, under the Industrial Permit, obtained coverage for the entire facility (rather than only those areas where industrial activities occur) and has developed a SWPPP that addresses the six Minimum Control Measures required by this General Permit. In these instances, the non-traditional Small MS4 is not required to obtain coverage under this General Permit. The entity should, in such cases, provide to the appropriate RWQCB documentation that its SWPPP addresses the six Minimum Control Measures.

STATE WATER RESOURCES CONTROL BOARD (SWRCB)
WATER QUALITY ORDER NO. 2003 - 0005 – DWQ

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
GENERAL PERMIT NO. CAS00000X

WASTE DISCHARGE REQUIREMENTS (WDRs)
FOR
STORM WATER DISCHARGES FROM SMALL MUNICIPAL SEPARATE STORM SEWER SYSTEMS (MS4s) (GENERAL PERMIT)

SWRCB finds that:

1. Urban runoff is a leading cause of pollution throughout California.

2. Pollutants of concern found in urban runoff include sediments, non-sediment solids, nutrients, pathogens, oxygen-demanding substances, petroleum hydrocarbons, heavy metals, floatables, polycyclic aromatic hydrocarbons (PAHs), trash, and pesticides and herbicides.

3. During urban development, two important changes occur. First, where no urban development has previously occurred, natural vegetated pervious ground cover is converted to impervious surfaces such as paved highways, streets, rooftops, and parking lots. Natural vegetated soil can both absorb rainwater and remove pollutants providing a very effective purification process. Because pavement and concrete can neither absorb water nor remove pollutants, the natural purification characteristics of the land are lost. Second, urban development creates new pollutant sources as human population density increases and brings with it proportionately higher levels of vehicle emissions, vehicle maintenance wastes, municipal sewage, pesticides, household hazardous wastes, pet wastes, trash, etc., which can be washed into the MS4. As a result of these two changes, the runoff leaving a developed urban area may be significantly greater in volume, velocity, and/or pollutant load than pre-development runoff from the same area.

4. A higher percentage of impervious area correlates to a greater pollutant loading, resulting in turbid water, nutrient enrichment, bacterial contamination, organic matter loads, toxic compounds, temperature increases, and increases of trash or debris.

5. Pollutants present in storm water can have damaging effects on both human health and aquatic ecosystems. In addition, the increased flows and volumes of storm water discharged from impervious surfaces resulting from development can significantly impact beneficial uses of aquatic ecosystems due to physical modifications of watercourses, such as bank erosion and widening of channels.

6. When water quality impacts are considered during the planning stages of a project, new development and many redevelopment projects can more efficiently incorporate measures to protect water quality.

7. On December 8, 1999, the U.S. Environmental Protection Agency (EPA) promulgated regulations under authority of the Clean Water Act (CWA) section 402(p)(6). These regulations require SWRCB to issue NPDES storm water permits to operators of small municipal separate storm sewer systems (Small MS4s) that discharge to waters of the U.S.

8. Of the Small MS4s defined by federal regulations, only "regulated Small MS4s" must obtain a permit. Title 40 of the Code of Federal Regulations (40 CFR) section 122.32(a) describes regulated Small MS4s as those traditional Small MS4s located within an urbanized area as determined by the latest Decennial Census by the Bureau of the Census and other Small MS4s that are designated by the permitting authority in accordance with designation criteria in Findings 10 and 11 below. Traditional Small MS4s within urbanized areas (Attachment 1) are automatically designated and are not subject to the designation criteria provided in Finding 10.

9. Section 123.35(b) of 40 CFR requires SWRCB to develop a process, as well as criteria, to designate Small MS4s as regulated Small MS4s.

10. In developing the designation criteria, factors were chosen to include parameters that may affect water quality. The following criteria will be considered in designating Small MS4s operated within a city or county as regulated Small MS4s.

    a. <u>High population density</u> – High population density means an area with greater than 1,000 residents per square mile. Also to be considered in this definition is a high density created by a non-residential population, such as tourists or commuters.

    b. <u>High growth or growth potential</u> – If an area grew by more than 25 percent between 1990 and 2000, it is a high growth area. If an area anticipates a growth rate of more than 25 percent over a 10-year period ending prior to the end of the first permit term, it has high growth potential.

    c. <u>Significant contributor of pollutants to an interconnected permitted MS4</u> – A Small MS4 is interconnected with a separately permitted MS4 if storm water that has entered the Small MS4 is allowed to flow directly into a permitted MS4. In general, if the Small MS4 discharges more than 10 percent of its storm water to the permitted MS4, or its discharge makes up more than 10 percent of the other permitted MS4's total storm water volume, it is a significant contributor of pollutants to the permitted MS4. In specific cases, the MS4s involved or third parties may show that the 10 percent threshold is inappropriate for the MS4 in question.

    d. <u>Discharge to sensitive water bodies</u> – Sensitive water bodies are receiving waters, which are a priority to protect. They include the following:

- those listed as providing or known to provide habitat for threatened or endangered species;

- those used for recreation that are subject to beach closings or health warnings; or

- those listed as impaired pursuant to CWA section 303(d) due to constituents of concern in urban runoff (these include biochemical oxygen demand (BOD), sediment, pathogens, oil and grease, and other constituents that are found in the MS4 discharge).

Additional criteria to qualify as a sensitive water body may exist and may be used by SWRCB or RWQCB on a case-by-case basis.

e. Significant contributor of pollutants to waters of the United States (U.S.) – Specific conditions presented by the MS4 may lead to significant pollutant loading to waters of the U.S. that are otherwise unregulated or inadequately regulated. An example of such a condition may be the presence of a large transportation industry.

This General Permit serves as notice to those Small MS4s on Attachment 2 that they are designated as regulated Small MS4s by the SWRCB at the time of permit adoption.

11. Section 122.26(b)(16)(iii) of 40 CFR defines systems that are similar to separate storm sewer systems in cities and counties, such as systems at military bases, large hospital or prison complexes, and highways and other thoroughfares as Small MS4s. In this General Permit these types of Small MS4s are referred to as non-traditional MS4s that may be designated as regulated Small MS4s and required to seek coverage under this General Permit or coverage under a separate permit. Non-traditional MS4s often operate storm sewers that are similar to traditional MS4s operated by cities or counties and discharge the same types of pollutants that are typically associated with urban runoff.

12. This permit does not designate any non-traditional MS4s. SWRCB or RWQCB may designate non-traditional MS4s at any time subsequent to the adoption of this General Permit. Non-traditional MS4s that may be designated at a future date include, but are not limited to, those listed in Attachment 3 of this General Permit.

13. Non-traditional Small MS4 entities that are designated, but whose entire facilities are subject to the NPDES General Permit for the Discharge of Storm Water Associated with Industrial Activities and whose Storm Water Pollution Prevention Plan (SWPPP) addresses all six Minimum Control Measures described in this General Permit, are not required to obtain coverage under this General Permit. Such entities must present documentation to the appropriate RWQCB, showing that they meet the requirements for exclusion from coverage.

14. This General Permit requires regulated Small MS4s (Permittees) to develop a Storm Water Management Program (SWMP) designed to reduce the discharge of pollutants to the Maximum Extent Practicable (MEP) and to protect water quality. Upon approval of SWMP by the Regional Water Quality Control Board (RWQCB) or its Executive Officer,

the Permittees obtain coverage under this General Permit. This General Permit requires implementation of SWMP.

15. SWMP will be available for public review and comment and may be subject to a public hearing if requested prior to approval.

16. Permittees can satisfy the requirements through effective implementation of a SWMP, which must contain Best Management Practices (BMPs) that address six Minimum Control Measures. SWMP must incorporate measurable goals and time schedules of implementation.

17. The MEP standard is an ever-evolving, flexible, and advancing concept, which considers technical and economic feasibility. As knowledge about controlling urban runoff continues to evolve, so does that which constitutes MEP. Reducing the discharge of storm water pollutants to MEP in order to protect beneficial uses requires review and improvement, which includes seeking new opportunities. To do this, the Permittee must conduct and document evaluation and assessment of each relevant element of its program and revise activities, control measures, BMPs, and measurable goals, as necessary to meet MEP.

18. This General Permit includes Supplemental Provisions that apply to traditional and non-traditional Small MS4s serving a population of 50,000 people or more, or that are subject to high growth. These requirements address post-construction requirements and compliance with water quality standards. These Supplemental Provisions are similar to requirements for Medium and Large MS4s (Phase I), and are appropriate because larger Small MS4s are able to have more robust storm water programs and fast-growing Small MS4s may cause greater impacts to water quality.

19. The Receiving Water Limitations language contained in Attachment 4 is identical to the language established in SWRCB Water Quality Order WQ-99-05 adopted by the SWRCB on June 17, 1999. As interpreted in SWRCB Water Quality Order WQ-2001-15, adopted by the SWRCB on November 15, 2001, the receiving water limitations in this General Permit do not require strict compliance with water quality standards, but instead require compliance with water quality standards over time, through an iterative approach requiring improved BMPs.

20. The post-construction requirements, or Design Standards, contained in Attachment 4 are consistent with Order WQ-2000-11 adopted by SWRCB on October 5, 2000.

21. The purpose of the annual performance review is to evaluate (1) SWMP's effectiveness; (2) the implementation of SWMP (3) status of measurable goals; (4) effectiveness of BMPs; and (5) improvement opportunities to achieve MEP.

22. To apply for permit coverage authorizing storm water discharges to surface waters pursuant to this General Permit, the Permittees must submit a complete application package to the appropriate RWQCB. An application package includes a Notice of Intent

(NOI) to comply with the terms of this General Permit, appropriate fee (in accordance with the most recent fee schedule[1]), and SWMP. Permittees relying entirely on separately permitted Separate Implementing Entities (SIEs) to implement their entire programs are not required to submit a SWMP if the SIE being relied on has an approved SWMP. Attachment 8 gives contact information for each RWQCB.

23. Upon receipt of a complete permit application, the application will be public noticed for thirty days on SWRCB's website. During the public notice period, a member of the public may request that a public hearing be conducted by RWQCB. If no public hearing is requested, the application may be approved by the RWQCB Executive Officer. Permittees obtain coverage under the General Permit only after the SWMP has been approved.

24. Each Permittee is individually responsible for adoption and enforcement of ordinances and/or policies, implementation of identified control measures/BMPs needed to prevent or reduce pollutants in storm water, and for allocation of funds for the capital, operation and maintenance, and enforcement expenditures necessary to implement and enforce such control measures/BMPs within its jurisdiction. Enforcement actions concerning this General Permit will be pursued only against the individual Permittee responsible for specific violations of this General Permit.

25. In accordance with 40 CFR section 122.28(b)(3), a RWQCB may issue an individual MS4 NPDES Permit to a Permittee otherwise subject to this General Permit, or adopt an alternative general permit that covers storm water discharges regulated by this General Permit. The applicability of this General Permit is automatically terminated on the effective date of the individual permit or the date of approval for coverage under the alternative general permit.

26. Certain BMPs implemented or required by Permittees for urban runoff management may create a habitat for vectors (e.g., mosquitoes and rodents) if not properly designed or maintained. Close collaboration and cooperative effort between the Permittees, local vector control agencies, RWQCB staff, and the State Department of Health Services is necessary to identify and implement appropriate vector control measures that minimize potential nuisances and public health impacts resulting from vector breeding.

27. This General Permit may be reopened and modified if the decision *in Environmental Defense Center v. EPA* is revised or vacated.

28. This NPDES Permit is consistent with the antidegradation policies of 40 CFR section 131.12, SWRCB Resolution 68-16, and RWQCBs' individual Basin Plans. Implementing storm water quality programs that address the six Minimum Control Measures in previously unregulated areas will decrease the pollutant loading to the receiving waters and improve water quality.

[1] California Code of Regulations. Title 23. Division 3. Chapter 9 Waste Discharge Reports and Requirements. Article 1 Fees.

29. Following public notice in accordance with State and federal laws and regulations, SWRCB, in public hearings on December 2, 2002 and April 30, 2003, heard and considered all comments. SWRCB has prepared written responses to all significant comments.

30. This action to adopt an NPDES Permit is exempt from the provisions of the California Environmental Quality Act (Public Resources Code § 21100, et seq.) in accordance with section 13389 of the Porter-Cologne Water Quality Control Act (Porter-Cologne) (Division 7 of the California Water Code).

31. This NPDES Permit is in compliance with Part 402 of CWA and shall take effect 100 days after adoption by SWRCB. Once in effect, RWQCBs shall enforce the provisions herein.

IT IS HEREBY ORDERED that operators of Small MS4s subject to this General Permit shall comply with the following:

A. APPLICATION REQUIREMENTS

1. Deadlines for Application

a. By August 8, 2003, all Permittees automatically designated (see Attachment 1) must either apply for coverage under this General Permit (either individually or as a co-permittee), submit an application for an individual or alternative general Small MS4 permit (if applicable), or submit a joint application for modification of an existing large or medium MS4 permit (40 CFR §122.33(c)(1)).

Permittees that submitted complete application packages prior to the adoption of this General Permit to meet the federal regulation March 10, 2003 deadline have complied with this requirement and are not required to submit a duplicate application package.

b. By October 27, 2003, traditional Small MS4s designated according to Finding 10 (see Attachment 2), must either apply for coverage under this General Permit (either individually or as a co-permittee), submit an application for an individual or alternative general Small MS4 permit, or submit a joint application for modification of an existing large or medium MS4 permit (40 CFR §122.33(c)(2)). Written notices will be sent to designated parties subsequent to adoption of this General Permit.

c. Non-traditional Small MS4s, or other Small MS4s, which are designated by RWQCB or SWRCB after adoption of this General Permit must apply for coverage under this General Permit (either individually or as a co-

permittee), submit a complete application for an individual or alternative general Small MS4 permit, or submit a joint application for modification of an existing large or medium MS4 permit (40 CFR §122.33(c)(2)). Applications must be submitted within 180 days of designation unless a later date is provided in the designation letter.

2. General Permit Application

To obtain coverage under this General Permit, submit to the appropriate RWQCB a completed NOI (Attachment 7), a complete SWMP (one hard copy and one electronic copy in Word or PDF format), and appropriate fee. SWMP shall meet all the requirements of Section D of this General Permit. Permittees relying entirely on SIEs pursuant to Provision D.6 and permitted under the NPDES program are not required to submit a SWMP.

3. General Permit Coverage

Permit coverage will be in effect upon the completion of the following:

a. The Permittee has submitted a complete permit application to the appropriate RWQCB,

b. Receipt of a complete application is noticed for a minimum of 60 days and copies provided to the public for review and comment upon request,

c. The proposed SWMP has been reviewed by RWQCB staff, and

d. SWMP has been approved by the RWQCB Executive Officer, or approved by RWQCB in a public hearing, if requested.

B. DISCHARGE PROHIBITIONS

1. Discharges of waste that are prohibited by Statewide Water Quality Control Plans or applicable Regional Water Quality Control Plans (Basin Plans) are prohibited.

2. Discharges from the MS4s regulated under this General Permit that cause or threaten to cause nuisance are prohibited.

3. Discharges of material other than storm water to waters of the U.S. or another permitted MS4 must be effectively prohibited, except as allowed under Provision D.2.c, or as otherwise authorized by a separate NPDES permit.

C. EFFLUENT LIMITATIONS

1. Permittees must implement BMPs that reduce pollutants in storm water to the technology-based standard of MEP.

2. Storm water discharges regulated by this General Permit shall not contain a hazardous substance in amounts equal to or in excess of a reportable quantity listed in 40 CFR Part 117 or 40 CFR Part 302.

D. STORM WATER MANAGEMENT PROGRAM REQUIREMENTS

The Permittee shall maintain, implement, and enforce an effective SWMP, and develop adequate legal authority to implement and enforce the SWMP, designed to reduce the discharge of pollutants from the permitted MS4 to MEP and to protect water quality. SWMP shall serve as the framework for identification, assignment, and implementation of control measures/BMPs. The Permittee shall implement SWMP and shall subsequently demonstrate its effectiveness and provide for necessary and appropriate revisions, modifications, and improvements to reduce pollutants in storm water discharges to the MEP. SWMP shall be fully implemented by the expiration of this General Permit, or within five years of designation for Small MS4s designated subsequent to Permit adoption, with reasonable progress made towards implementation throughout the term of the General Permit. Existing programs that have storm water quality benefits can be identified in the SWMP and be a part of a Permittee's storm water program.

SWMP shall be revised to incorporate any new or modified BMPs or measurable goals developed through the Permittee's annual reporting process. The Permittee shall incorporate changes required by or acceptable to the RWQCB Executive Officer into applicable annual revisions to SWMP and adhere to its implementation.

1. The Permittee shall maintain, implement, and enforce an effective SWMP designed to reduce the discharge of pollutants from the regulated Small MS4 to the MEP and to protect water quality.

2. SWMP must describe BMPs, and associated measurable goals, that will fulfill the requirements of the following six Minimum Control Measures.

    a. **Public Education and Outreach on Storm Water Impacts**
    The Permittee must implement a public education program to distribute educational materials to the community or conduct equivalent outreach activities about the impacts of storm water discharges on water bodies and the steps that the public can take to reduce pollutants in storm water runoff. For non-traditional Permittees, the employee/user population may serve as "the public" to target for outreach and involvement.

Non-traditional Small MS4s that discharge into medium and large MS4 may integrate public education and outreach program with the existing MS4 public education and outreach programs.

b. **Public Involvement/Participation**
The Permittee must at a minimum comply with State and local public notice requirements when implementing a public involvement/participation program.

c. **Illicit Discharge Detection and Elimination**
The Permittee must:

1) Develop, implement, and enforce a program to detect and eliminate illicit discharges (as defined at 40 CFR §122.26(b)(2)) into the regulated Small MS4;

2) Develop, if not already completed, a storm sewer system map, showing the location of all outfalls and the names and locations of all waters of the U.S. that receive discharges from those outfalls;

3) To the extent allowable under State or local law, effectively prohibit, through ordinance, or other regulatory mechanism, non-storm water discharges into the MS4 and implement appropriate enforcement procedures and actions;

4) Develop and implement a plan to detect and address non-storm water discharges, including illegal dumping, to the system that are not authorized by a separate NPDES permit;

5) Inform public employees, businesses, and the general public of the hazards that are generally associated with illegal discharges and improper disposal of waste; and

6) Address the following categories of non-storm water discharges or flows (i.e., authorized non-storm water discharges) only where they are identified as significant contributors of pollutants to the Small MS4:

1. water line flushing;
2. landscape irrigation;
3. diverted stream flows;
4. rising ground waters;
5. uncontaminated ground water infiltration (as defined at 40 CFR §35.2005(20)) to separate storm sewers;
6. uncontaminated pumped ground water;
7. discharges from potable water sources;
8. foundation drains;
9. air conditioning condensation;
10. irrigation water;
11. springs;
12. water from crawl space pumps;
13. footing drains;
14. lawn watering;
15. individual residential car washing;
16. flows from riparian habitats and wetlands; and
17. dechlorinated swimming pool discharges.

Discharges or flows from fire fighting activities are excluded from the effective prohibition against non-storm water and need only be addressed where they are identified as significant sources of pollutants to waters of the U.S.

If a RWQCB Executive Officer determines that any individual or class of non-storm water discharge(s) listed above may be a significant source of pollutants to waters of the U.S. or physically interconnected MS4, or poses a threat to water quality standards (beneficial uses), the RWQCB Executive Officer may require the appropriate Permittee(s) to monitor and submit a report and to implement BMPs on the discharge.

d. **Construction Site Storm Water Runoff Control**

The Permittee must develop, implement, and enforce a program to reduce pollutants in any storm water runoff to the Small MS4 from construction activities that result in a land disturbance of greater than or equal to one acre. Reduction of storm water discharges from construction activity disturbing less than one acre must be included in your program if that construction activity is part of a larger common plan of development or sale that would disturb one acre or more. The program must include the development and implementation of, at a minimum:

1) An ordinance or other regulatory mechanism to require erosion and sediment controls, as well as sanctions, or other effective mechanisms, to ensure compliance, to the extent allowable under State, or local law;

2) Requirements for construction site operators to implement appropriate erosion and sediment control BMPs;

3) Requirements for construction site operators to control waste such as discarded building materials, concrete truck washout, chemicals, litter, and sanitary waste at the construction site that may cause adverse impacts to water quality;

4) Procedures for site plan review which incorporate consideration of potential water quality impacts;

5) Procedures for receipt and consideration of information submitted by the public; and

6) Procedures for site inspection and enforcement of control measures.

e. **Post-Construction Storm Water Management in New Development and Redevelopment**

The Permittee must:

1) Develop, implement, and enforce a program to address storm water runoff from new development and redevelopment projects that disturb greater than or equal to one acre, including projects less than one acre that are part of a larger common plan of development or sale, that discharge into the Small MS4 by ensuring that controls are in place that would prevent or minimize water quality impacts;

2) Develop and implement strategies, which include a combination of structural and/or non-structural BMPs appropriate for your community;

3) Use an ordinance or other regulatory mechanism to address post-construction runoff from new development and redevelopment projects to the extent allowable under State or local law For those Small MS4s described in Supplemental Provision E below, the requirements must at least include the design standards contained in Attachment 4 of this General Permit or a functionally equivalent program that is acceptable to the appropriate RWQCB; and

4) Ensure adequate long-term operation and maintenance of BMPs.

The General Permit does not require redesign of K-12 school or community college facilities that have been submitted to the Department of General Services, Division of the State Architect before adoption of the permit, and which receive final approval from the State Allocation Board or the Public Works Board, as appropriate, on or before December 31, 2004.

f. **Pollution Prevention/Good Housekeeping for Municipal Operations**
The Permittee must:

1) Develop and implement an operation and maintenance program that includes a training component and has the ultimate goal of preventing or reducing pollutant runoff from municipal operations; and

2) Using training materials that are available from U.S. EPA, the State, or other organizations, the program must include employee training to prevent and reduce storm water pollution from activities such as park and open space maintenance, fleet building maintenance, new construction and land disturbances, and storm water system maintenance.

3. SWMP must identify the measurable goals for each of the BMPs, including, as appropriate, the months and years for scheduled actions, including interim milestones and the frequency of the action.

4. SWMP must identify the person or persons who will implement or coordinate SWMP, as well as each Minimum Control Measure.

5. Termination of coverage

A Permittee may terminate coverage if a new operator has assumed responsibility for the MS4, the Permittee has ceased operation of the MS4, or the Permittees has eliminated discharges from the MS4. To terminate coverage, the Permittee must submit a written request to the RWQCB.

6. Reliance on a SIE

The Permittee may rely on a SIE to satisfy one or more of the permit obligations, if the separate entity can appropriately and adequately address the storm water issues of the Permittee. The Permittee must describe the arrangement in the SWMP and the arrangement is subject to the approval of the RWQCB Executive Officer. The other entity must agree to implement the control measure(s), or components thereof, to achieve compliance with the General Permit. The Permittee remains responsible for compliance with this General Permit if the SIE fails to implement the control measure(s).

If the Permittee relies on an SIE to implement all six Minimum Control Measures and the SIE also has a storm water permit issued by SWRCB or RWQCB, the Permittee relying on the SIE must still submit an NOI, appropriate fee, and certification of the arrangement. The Permittee must note this fact in the NOI and provide proof that the SIE has an approved SWMP, but is not required to maintain a SWMP nor submit annual reports.

7. Outfalls not identified in the storm sewer system map required by Provision D.2.c.2), but constructed within the permitted area during the term of this General Permit to receiving waters identified in the NOI, shall not be considered a material change in character, location, or volume of the permitted discharge, and shall be allowed under the terms of this General Permit without permit application or permit modification, provided that the following information be provided in the subsequent annual report:

   a. Receiving water name;

   b. Storm sewer system map of added area;

   c. Certification that SWMP shall be amended to include the drainage area.

E. SUPPLEMENTAL PROVISIONS

Those regulated traditional and non-traditional Small MS4s serving a population over 50,000 or that are subject to high growth (at least 25 percent over ten years) must comply with the requirements in Attachment 4 of this General Permit. Compliance is required upon full implementation of the Small MS4s' storm water management plan.

Attachment 5 provides a list of communities that SWRCB anticipates being subject to the provisions in Attachment 4.

F. REPORTING REQUIREMENTS AND MONITORING

1. Reporting

   The Permittee must submit annual reports to the appropriate RWQCB by September 15th of each year (for Small MS4s designated with the adoption of this permit, the first annual report is to be submitted in 2004), or as otherwise required by the RWQCB Executive Officer, unless exempted under Provision D.6. The report shall summarize the activities performed throughout the reporting period (July 1 through June 30) and must include:

   a. The status of compliance with permit conditions;

   b. An assessment of the appropriateness and effectiveness of the identified BMPs;

   c. Status of the identified measurable goals;

   d. Results of information collected and analyzed, including monitoring data, if any, during the reporting period;

e. A summary of the storm water activities the Permittee plans to undertake during the next reporting cycle;

f. Any proposed change(s) to SWMP along with a justification of why the change(s) are necessary; and

g. A change in the person or persons implementing and coordinating SWMP.

2. RWQCB may impose additional monitoring requirements, which may include a reporting component. RWQCBs may adopt such requirements on an individual or group basis.

3. Recordkeeping

The Permittee must keep records required by this General Permit for at least five years or the duration of the General Permit if continued. The RWQCB Executive Officer may specify a longer time for record retention. The Permittee must submit the records to the RWQCB Executive Officer upon request. The Permittee must make the records, including the permit and SWMP, available to the public during regular business hours.

G. RWQCB AUTHORITIES

RWQCBs will review and approve SWMPs prior to permit coverage being in effect and will conduct public hearings of individual permit applications upon request. Where there is no hearing, the Executive Officer may approve the SWMP. RWQCBs will also oversee compliance with this General Permit. Oversight may include, but is not limited to, reviewing reports, requiring modification to SWMPs and other submissions, imposing region-specific monitoring requirements, conducting inspections, taking enforcement actions against violators of this General Permit, and making additional designations of Permittees pursuant with the criteria described in this General Permit and Fact Sheet. The RWQCBs may also issue individual permits to regulated Small MS4s, and alternative general permits to categories of regulated Small MS4s. Upon issuance of such permits by an RWQCB, this General Permit shall no longer regulate the affected Small MS4(s).

H. STANDARD PROVISIONS

1. General Authority

Three of the minimum control measures (illicit discharge detection and elimination, and the two construction-related measures) require enforceable controls on third party activities to ensure successful implementation of the measure. Some non-traditional operators, however, may not have the necessary legal regulatory authority to adopt these enforceable controls. As in the case of

local governments that lack such authority, non-traditional MS4s are expected to utilize the authority they do possess and to seek cooperative arrangements.

2. Duty to Comply

   The Permittee must comply with all of the conditions of this General Permit. Any permit noncompliance constitutes a violation of CWA and the Porter-Cologne and is grounds for enforcement action and/or removal from General Permit coverage. In the event that the Permittee is removed from coverage under the General Permit, the Permittee will be required to seek coverage under an individual or alternative general permit.

3. General Permit Actions

   This General Permit may be modified, revoked and reissued, or terminated for cause. The filing of a request by the Permittee for a General Permit modification, revocation and reissuance, or termination, or a notification of planned changes or anticipated noncompliance does not nullify any General Permit condition.

   If any toxic effluent standard or prohibition (including any schedule of compliance specified in such effluent standard or prohibition) is promulgated under section 307(a) of CWA for a toxic pollutant which is present in the discharge and that standard or prohibition is more stringent than any limitation on the pollutant in this General Permit, this General Permit shall be modified or revoked and reissued to conform to the toxic effluent standard or prohibition and Permittee so notified.

4. Noncompliance Reporting

   Permittees who cannot certify compliance and/or who have had other instances of noncompliance shall notify the appropriate RWQCB within 30 days. Instances of noncompliance resulting in emergencies (i.e., that endanger human health or the environment) shall be reported orally to the RWQCB within 24 hours from the time the discharger becomes aware of the circumstance and in writing to the RWQCB within five days of the occurrence. The notification shall identify the noncompliance event and an initial assessment of any impact caused by the event, describe the actions necessary to achieve compliance, and include a time schedule indicating when compliance will be achieved. The time schedule and corrective measures are subject to modification by the RWQCB Executive Officer.

5. Need to Halt or Reduce Activity Not a Defense

   It shall not be a defense for the Permittee in an enforcement action that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance with the conditions of this General Permit.

6. Duty to Mitigate

   The Permittee shall take all responsible steps to minimize or prevent any discharge in violation of this General Permit that has a reasonable likelihood of adversely affecting human health or the environment.

7. Proper Operation and Maintenance

   The Permittee shall at all times properly operate and maintain any facilities and systems of treatment and control (and related appurtenances) which are installed or used by the Permittee to achieve compliance with the conditions of this General Permit and with the requirements of SWMP. Proper operation and maintenance also includes adequate laboratory controls and appropriate quality assurance procedures. Proper operation and maintenance may require the operation of backup or auxiliary facilities or similar systems installed by the Permittee when necessary to achieve compliance with the conditions of this General Permit.

8. Property Rights

   This General Permit does not convey any property rights of any sort or any exclusive privileges, nor does it authorize any injury to private property or any invasion of personal rights, nor does it authorize any infringement of federal, State, or local laws or regulations.

9. Duty to Provide Information

   The Permittee shall furnish RWQCB, SWRCB, or U.S. EPA, during normal business hours, any requested information to determine compliance with this General Permit. The Permittee shall also furnish, upon request, copies of records required to be kept by this General Permit.

10. Inspection and Entry

    The Permittee shall allow RWQCB, SWRCB, U.S. EPA, or an authorized representative of RWQCB, SWRCB, or U.S. EPA, upon the presentation of credentials and other documents as may be required by law, to:

    a. Enter upon the Permittee's premises during normal business hours where a regulated facility or activity is located or conducted, or where records must be kept under the conditions of this General Permit;

    b. Access and copy, during normal business hours, any records that must be kept under the conditions of this General Permit within a reasonable time from notification;

c. Inspect during normal business hours any municipal facilities; and

d. Sample or monitor at reasonable times for the purpose of assuring General Permit compliance.

11. Signatory Requirements

All NOIs, SWMPs, certifications, reports, or other information prepared in accordance with this General Permit submitted to SWRCB or RWQCB shall be signed by either a principal executive officer, ranking elected official, or duly authorized representative. The principal executive officer of a Federal agency includes the chief executive officer of the agency or the senior executive officer having responsibility for the overall operations of a principal geographic unit of the agency (e.g., Regional Administrator of U.S. EPA).

12. Certification

Any person signing documents under Section H.11 above shall make the following certification:

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system or those persons directly responsible for gathering the information, to the best of my knowledge and belief, the information submitted is true, accurate, and complete.

I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

13. Anticipated Noncompliance

The Permittee will give advance notice to the RWQCB and local storm water management agency of any planned changes in the regulated Small MS4 activity that may result in noncompliance with General Permit requirements.

14. Penalties for Falsification of Reports

Section 309(c)(4) of CWA provides that any person who knowingly makes any false material statement, representation, or certification in any record or other document submitted or required to be maintained under this General Permit, including reports of compliance or noncompliance, shall upon conviction, be punished by a fine of not more than $10,000 or by imprisonment for not more than two years or by both.

15. Penalties for Violations of Permit Conditions

    a. Part 309 of CWA provides significant penalties for any person who violates a permit condition implementing Parts 301, 302, 306, 307, 308, 318, or 405 of CWA or any permit condition or limitation implementing any such section in a permit issued under Part 402. Any person who violates any permit condition of this General Permit is subject to a civil penalty not to exceed $27,500 per calendar day of such violation, as well as any other appropriate sanction provided by Part 309 of CWA.

    b. Porter-Cologne also provides for administrative, civil, and criminal penalties, which in some cases are greater than those under CWA.

16. Oil and Hazardous Substance Liability

    Nothing in this General Permit shall be construed to preclude the institution of any legal action against the Permittee or relieve the Permittee from any responsibilities, liabilities, or penalties to which the Permittee is or may be subject to under Part 311 of CWA.

17. Severability

    The provisions of this General Permit are severable; and, if any provision of this General Permit or the application of any provision of this General Permit to any circumstance is held invalid, the application of such provision to other circumstances and the remainder of this General Permit shall not be affected thereby.

18. Reopener Clause

    This General Permit may be modified, revoked and reissued, or terminated for cause due to promulgation of amended regulations, or otherwise in accordance with 40 CFR sections 122.62, 122.63, 122.64, and 124.5.

19. Availability

    A copy of this General Permit and SWMP shall be made available for public review.

20. Transfers

    This General Permit is not transferable. A Permittee must submit written notification to the appropriate RWQCB to terminate coverage of this General Permit.

21. Continuation of Expired Permit

This General Permit expires five years from the date of adoption. This General Permit continues in force and in effect until a new General Permit is issued or the SWRCB rescinds this General Permit. Only those Small MS4s authorized to discharge under the expiring General Permit are covered by the continued General Permit.

CERTIFICATION

The undersigned, Clerk to the Board, does hereby certify that the foregoing is a full, true, and correct copy of an order duly and regularly adopted at a meeting of SWRCB held on April 30, 2003.

AYE: Arthur G. Baggett, Jr.
Peter S. Silva
Richard Katz
Gary M. Carlton

NO: None

ABSENT: None

ABSTAIN: None

Maureen Marché
Clerk to the Board

Operators of Municipal Separate Storm Sewer Systems that serve areas within urbanized areas are automatically designated as regulated Small MS4s. These include the following areas. (For cities, the permit area boundary is the city boundary. For counties, permit boundaries must at least be inclusive of urbanized areas. The boundaries must be proposed in the permit application and may be developed in conjunction with the applicable regional water quality control board.)

Region 1
City of Cotati
Graton, County of Sonoma
City of Healdsburg
City of Rohnert Park
City of Sebastapool
Town of Windsor
County of Sonoma

Region 2
City of Belvedere
City of Benicia
Black Point-Green Point, County of Marin
Town of Corte Madera
Town of Fairfax
City of Larkspur
Lucas Valley-Marinwood, County of Marin
City of Mill Valley
City of Napa
City of Novato
City of Petaluma
Town of Ross
Town of San Anselmo
City of San Francisco (those areas not served by a CSO)
City of San Rafael
City of Sausalito
City of Tamalpais-Homestead Valley
City of Tiburon
Woodacre, County of Marin
County of Napa
County of Marin
County of Solano
County of Sonoma
County of San Francisco (those areas not served by a CSO)

Region 3
Aptos, County of Santa Cruz
City of Atascadero
Ben Lomand, County of Santa Cruz
Boulder Creek, County of Santa Cruz

City of Capitola
City of Carmel-by-the-Sea
Carmel Valley Village, County of Monterey
City of Carpinteria
Castroville, County of Monterey
Coralitos, County of Santa Cruz
City of Del Ray Oaks
Felton, County of Santa Cruz
City of Gilroy
Goleta, County of Santa Barbara
Isla Vista, County of Santa Barbara
Las Lomas, County of Santa Cruz
Live Oak, County of Santa Cruz
City of Lompoc
City of Marina
Montecito, County of Santa Barbara
City of Monterey
City of Morgan Hill
Nipomo, County of San Luis Obispo
Orcutt, County of Santa Barbara
City of Pacific Grove
Pajaro, County of Monterey
City of Paso Robles
Pebble Beach, County of Monterey
Prunedale, Count of Monterey
City of San Luis Obispo
City of Sand City
San Martin, County of Santa Clara
City of Santa Barbara
City of Santa Cruz
City of Santa Maria
City of Scotts Valley
City of Seaside
Soquel, County of Santa Cruz
Summerland, County of Santa Cruz
City of Watsonville
Templeton, County of San Luis Obispo
Vandenberg Village, County of Santa Barbara
County of Monterey
County of San Luis Obispo
County of Santa Barbara
County of Santa Clara
County of Santa Cruz

Region 5
City of Anderson
City of Atwater
City of Auburn

Bondelle Ranchos, County of Madera
City of Ceres
City of Chico
City of Davis
City of Delhi
El Dorado Hills, County of El Dorado
Empire, County of Stanislaus
City of Exeter
City of Farmersville
French Camp, County of San Joaquin
Goshen, County of Tulare
Granite Bay, County of Placer
City of Hughson
Kennedy, County of San Joaquin
Keyes, County of Stanislaus
City of Lathrop
Linda, County of Yuba
City of Lodi
Town of Loomis
City of Madera
Madera Acres, County of Madera
City of Manteca
City of Marysville
City of Merced
Morada, County of San Joaquin
North Auburn, County of Placer
North Woodbridge, County of San Joaquin
Olivehurst, County of Yuba
City of Porterville
City of Redding
City of Ripon
City of Riverbank
City of Rocklin
City of Roseville
Salida, County of Stanislaus
City of Shasta Lake
Strathmore, County of Tulare
South Yuba City, County of Sutter
City of Tracy
City of Turlock
City of Vacaville
City of Visalia
City of West Sacramento
City of Winton
City of Yuba City
County of Butte
County of Madera
County of Merced

County of Placer
County of San Joaquin
County of Shasta
County of Solano
County of Stanislaus
County of Sutter
County of Tulare
County of Yolo
County of Yuba

Region 6
City of Apple Valley
City of Hesperia
City of Lancaster
City of Palmdale
City of Victorville
County of San Bernadino
County of Los Angeles

Region 7
City of El Centro
Heber, County of Imperial
City of Imperial
County of Imperial

Operators of Municipal Separate Storm Sewer Systems that serve areas that are designated by the State Water Resources Control Board or Regional Water Quality Control Board in accordance with the designation criteria contained in the General Permit are regulated Small MS4s. These include, but are not limited to, the following areas. (For cities, the permit area boundary is the city boundary. For counties, permit boundaries must at least be inclusive of urbanized areas. The boundaries must be proposed in the permit application and may be developed in conjunction with the applicable regional water quality control board.)

Region 1

Area	Justification	Details
City of Arcata	• Discharge Into A Sensitive Water Body • High Population Density	• Mad River which is on the 303(d) list for sediment/turbidity • Urban cluster
City of Eureka	• Discharge Into A Sensitive Water Body • High Population Density	• Elk River and Freshwater Creek which are listed on the 303(d) list for sedimentation/siltation • Urban cluster
City of Fort Bragg	• Discharge Into A Sensitive Water Body • High Population Density	• Noyo River which is listed for sedimentation/siltation • Urban cluster
City of Fortuna	• Discharge Into A Sensitive Water Body • High Population Density	• Eel River which is on the 303(d) list for sedimentation/siltation and temperature • Urban cluster
McKinleyville, County of Humboldt	• Discharge Into A Sensitive Water Body • High Population Density	• Mad River which is on the 303(d) list for sedimentation/siltation and turbidity • Urban cluster
City of Ukiah	• Discharge Into A Sensitive Water Body • High Population Density	• Russian River which is listed for sedimentation/siltation • Urban cluster
County of Mendocino	• Discharge Into A Sensitive Water Body • High Population Density	• Russian River which is listed for sedimentation/siltation • Urban cluster •

Region 2

Area	Justification	Details
City of Calistoga	• Discharge Into A Sensitive Water Body • High Population Density	• Napa River, which is on the 303(d) list for sediment, nutrients, and pathogens • Urban cluster
City of St. Helena	• Discharge Into A Sensitive Water Body • High Population Density	• Napa River, which is on the 303(d) list for sediment, nutrients, and pathogens • Urban cluster
City of Sonoma	• Discharge Into A Sensitive Water Body • High Population Density	• Sonoma Creek, which is on the 303(d) list for sediment, nutrients, and pathogens • Urban cluster
Town of Yountville	• Discharge Into A Sensitive Water Body • High Population Density	• Napa River, which is on the 303(d) list for sediment, nutrients, and pathogens • Urban cluster

Region 3

Area	Justification	Details
City of Arroyo Grande	• High Population Density	• Tourism, Urban cluster
Baywood-Los Osos, County of San Luis Obispo	• Discharge Into A Sensitive Water Body • High Population Density	• Morro Bay which is on the 303(d) list for sediments • Urban cluster
City of Buellton	• Discharge Into A Sensitive Water Body • High Population Density	• Santa Ynez River, which is on the 303(d) list for nutrients and sediment • Urban cluster
Cambria, County of San Luis Obispo	• Discharge Into A Sensitive Water Body • High Population Density	• Marine Sanctuary • Urban cluster
City of Greenfield	• Discharge Into A Sensitive Water Body • High Growth Rate • High Population Density	• Salinas River, which is listed for sediment and salinity/TDS/chlorides • 68.6% over 10 years • Urban cluster
City of Grover Beach	• High Population Density	• Tourism, Urban cluster
City of Hollister	• Discharge Into A Sensitive Water Body • High Growth Rate • High Population Density	• San Benito River, which is listed for sediment • 79.1% over 10 years • Urban cluster
City of King City	• Discharge Into A Sensitive	• Salinas River, which is listed

	Water Body • High Growth Rate • High Population Density	for sediment and salinity/TDS/chlorides • 45.3% over 10 years • Urban cluster
	•	•
Los Olivos, County of Santa Barbara	• Discharge Into A Sensitive Water Body • High Population Density	• Santa Ynez River, which is on the 303(d) list for nutrients and sediment • Urban Cluster
City of Morro Bay	• Discharge Into A Sensitive Water Body • High Population Density	• Morro Bay, which is on the 303(d) list for sediments • Urban cluster
Oceano, County of San Luis Obispo	• High Population Density	• Tourism, Urban cluster
City of Pismo Beach	• High Population Density	• Tourism, Urban cluster
Santa Ynez, County of Santa Barbara	• Discharge Into A Sensitive Water Body • High Population Density	• Santa Ynez River, which is on the 303(d) list for nutrients and sediment • Urban cluster
Shell Beach, County of San Luis Obispo	• High Population Density	• Tourism
City of Soledad	• Discharge Into A Sensitive Water Body • High Growth Rate • High Population Density	• Salinas River, which is listed for sediment and salinity/TDS/chlorides • 57.6% over 10 years • Urban cluster
City of Solvang	• Discharge Into A Sensitive Water Body • High Population Density	• Santa Ynez River, which is on the 303(d) list for nutrients and sediment • Urban cluster • Tourism

Region 5

Area	Justification	Details
City of Clearlake	• Discharge Into A Sensitive Water Body • High Population Density	• Clear Lake which is on the 303(d) list for mercury and nutrients • Urbanized cluster
City of Dixon	• High Growth Or Growth Potential • High Population Density	• 54.8% over 10 years • Urban cluster
City of Grass Valley	• Discharge To Sensitive Water Bodies • High Growth Potential	• Receiving waters support threatened and endangered species

	• High Population Density	• Urban cluster
City of Hanford	• Urbanized Area in corrected census data	• Urbanized Area in corrected census data
City of Kingsburg	• Discharge To Sensitive Water Bodies • High Population Density	• Kings River, used for recreation and agriculture supply • Urban cluster
City of Lakeport	• Discharge To Sensitive Water Bodies • High Population Density	• Clear Lake which is on the 303(d) list for mercury and nutrients • Urban cluster
City of Lemoore	• Urbanized Area in corrected census data	• Urbanized Area in corrected census data
City of Lincoln	• Discharge To Sensitive Water Bodies • High Growth And Growth Potential • High Population Density	• Receiving waters support threatened and endangered species • 54.6% over 10 years and continuing at 15% per year • Urban cluster
City of Los Baños	• Discharge Into A Sensitive Water Body • High Growth • High Population Density	• Los Baños Canal which is used for agriculture supply and flows into a water of the U.S. • 78.2% growth over 10 years • Urban cluster
City of Oakdale	• Discharge To Sensitive Water Body • High Growth • High Population Density	• Stanislaus River which is on the 303(d) list for pesticides and unknown toxicity • 29.6% over 10 years • Urban cluster
City of Patterson	• Discharge To Sensitive Water Body • High Growth • High Population Density	• San Joaquin river which is on the 303(d) list for pesticides, and unknown toxicity • 34.5% over 10 years • Urban cluster
City of Placerville	• Discharge To Sensitive Water Body • High Population Density	• Receiving waters support threatened and endangered species • Urban cluster
City of Reedley	• Discharge Into Sensitive Water Body • High Population Density	• Kings River, used for recreation and agriculture supply • Urban cluster
City of Rio Vista	• Discharge To Sensitive Water Body	• Sacramento River, Delta, which is on the 303(d) list

	• High Population Growth Potential • High Population Density	for pesticides, mercury, and unknown toxicity • 210% projected growth between 2000 and 2010 • Urban cluster
City of Selma	• Discharge To Sensitive Water Bodies • High Population Density	• Discharge to Consolidated Irrigation Canal, which is tributary to Kings River, used for recreation and agriculture supply • Urban cluster
City of Tulare	• High Growth • Contributor Of Pollutants To Waters Of The U.S. • High Population Density	• 32.3% growth over 10 years • High population, approaching "urbanized area" • Urban cluster
City of Woodland	• Significant Contributor Of Pollutants To Waters Of The U.S. • High Population Density • Discharge To Sensitive Water Bodies	• 49,151 people at the time of the census, essentially the same threat as an urbanized area • Urban cluster • Contact recreation
County of Kings	• Urbanized Area in corrected census data	• Urbanized Area in corrected census data
County of Lake	• Discharge To Sensitive Water Bodies • High Population Density	• Clear Lake which is on the 303(d) list for mercury and nutrients • Urban cluster

Region 7

Area	Justification	Details
City of Brawley	• Discharge To Sensitive Water Body • High Population Density	• New River which is on the 303(d) list for bacteria, nutrients, pesticides, and sedimentation • Urban cluster
City of Calexico	• Discharge To Sensitive Water Body • High Population Density	• New River which is on the 303(d) list for bacteria, nutrients, pesticides, and sedimentation • Urban cluster

Non-Traditional Small MS4s

Attachment 3
WQO# 2003 – 0005 – DWQ

Non-traditional Small MS4s anticipated to be designated in the future will include the following entities.

Region	Agency	Facility	Address	City, State, ZIP
1	California Community Colleges	College of the Redwoods	7351 Tompkins Hill Road	Eureka, CA 95501-9301
1	California Community Colleges	Mendocino College	1000 Hensley Creek Rd. PO Box 3000	Ukiah, CA 95482-0300
1	California Community Colleges	Santa Rosa Junior College - Santa Rosa Campus	1501 Mendocino Avenue	Santa Rosa, CA 95401-4395
1	California State University	Humboldt State University	1 Harpst Street	Arcata, CA 95521-8299
1	California State University	Sonoma State University	1801 East Cotati Ave.	Rohnert Park, CA 94928-3609
1	District Agricultural Association	Humboldt County Fairgrounds	3750 Harris Street	Eureka, CA
1	District Agricultural Association	Mendocino County Fairgrounds	1055 North State Street	Ukiah, CA
1	School District, Alexander Valley Union Elementary		8511 Hwy. 128	Healdsburg, CA 95448-9020
1	School District, Arcata Elementary		1435 Buttermilk Lane	Arcata, CA 95521-
1	School District, Bellevue Union Elementary		3223 Primrose Ave.	Santa Rosa, CA 95407-7723
1	School District, Bennett Valley Union Elementary		2250 Mesquite Dr.	Santa Rosa, CA 95405-8310
1	School District, Cotati-Rohnert Park Unified		1601 E Cotati Ave.	Rohnert Park, CA 94928-3606
1	School District, Eureka City Unified		3200 Walford Ave.	Eureka, CA 95503-4887
1	School District, Fieldbrook Elementary		4070 Fieldbrook Road	Arcata, CA 95521-9709
1	School District, Fort Bragg Unified		312 S. Lincoln St.	Fort Bragg, CA 95437-4416
1	School District, Fortuna Union Elementary		843 L St.	Fortuna, CA 95540-1921
1	School District, Fortuna Union High		379 12th St.	Fortuna, CA 95540-2357
1	School District, Freshwater Elementary		75 Greenwood Heights Dr.	Eureka, CA 95503-9569
1	School District, Garfield Elementary		2200 Freshwater Road	Eureka, CA 95503-9562
1	School District, Gravenstein Union Elementary		3840 Twig Ave.	Sebastopol, CA 95472-5750
1	School District, Healdsburg Unified		925 University St.	Healdsburg, CA 95448-3528
1	School District, Mark West Union Elementary		305 Mark West Springs Road	Santa Rosa, CA 95404-1101
1	School District, McKinleyville Union Elementary		2275 Central Ave.	McKinleyville, CA 95519-3611
1	School District, Oak Grove Union Elementary		5285 Hall Road	Santa Rosa, CA 95401-5566
1	School District, Pacific Union Elementary		3001 Janes Road	Arcata, CA 95521-4701
1	School District, Piner-Olivet Union Elementary		3450 Coffey Lane	Santa Rosa, CA 95403-1919
1	School District, Rincon Valley Union Elementary		1000 Yulupa Ave.	Santa Rosa, CA 95405-7020
1	School District, Rohnerville Elementary		3850 Rohnerville Road	Fortuna, CA 95540-3122
1	School District, Roseland Elementary		950 Sebastopol Road	Santa Rosa, CA 95407-6829
1	School District, Santa Rosa Elementary		211 Ridgway Ave.	Santa Rosa, CA 95401-4320
1	School District, Santa Rosa High		211 Ridgway Ave.	Santa Rosa, CA 95401-4320
1	School District, Sebastopol Union Elementary		7905 Valentine Ave.	Sebastopol, CA 95472-3214
1	School District, South Bay Union Elementary		5248 Vance Ave.	Eureka, CA 95503-6351
1	School District, Twin Hills Union Elementary		700 Water Trough Road	Sebastopol, CA 95472-3917
1	School District, Ukiah Unified		925 N. State St.	Ukiah, CA 95482-3411
1	School District, West Side Union Elementary		1201 Felta Road	Healdsburg, CA 95448-9476
1	School District, West Sonoma County Union High		462 Johnson St.	Sebastopol, CA 95472-

Region	Agency	Facility	Address	City, State, ZIP
1	School District, Windsor Unified		9291 Old Redwood Hwy. #300 C	Windsor, CA 95492-9217
1	School District, Wright Elementary		4385 Price Ave.	Santa Rosa, CA 95407-6550
2	Bureau of Prisons	FCI Dublin	5701 8th Street - Camp Parks	Dublin, CA 94568
2	California Air National Guard	129th Rescue Wing	PO Box 103	Moffett Airfield, CA 94035-5006
2	California Community Colleges	Canada College	4200 Farm Hill Boulevard	Redwood City, CA 94061-1099
2	California Community Colleges	Chabot College	25555 Hesperian Blvd PO Box 5001	Hayward, CA 94545-5001
2	California Community Colleges	City College of San Francisco	50 Phelan Avenue, E200	San Francisco, CA 94112-1898
2	California Community Colleges	College of Alameda	555 Atlantic Avenue	Alameda, CA 94501-2109
2	California Community Colleges	College of San Mateo	1700 West Hillsdale Boulevard	San Mateo, CA 94402-3784
2	California Community Colleges	Contra Costa College	2600 Mission Bell Drive	San Pablo, CA 94806-3195
2	California Community Colleges	DeAnza College	21250 Stevens Creek Boulevard	Cupertino, CA 95014-5797
2	California Community Colleges	Diablo Valley College	321 Golf Club Road	Pleasant Hill, CA 94523-1544
2	California Community Colleges	Evergreen Valley College	3095 Yerba Buena Road	San Jose, CA 95135-1598
2	California Community Colleges	Foothill College	12345 El Monte Road	Los Altos Hills, CA 94022-4599
2	California Community Colleges	Laney College	900 Fallon Street	Oakland, CA 94607-4893
2	California Community Colleges	Las Positas College	3033 Collier Canyon Road	Livermore, CA 94550-7650
2	California Community Colleges	Los Medanos College	2700 East Leland Road	Pittsburg, CA 94565-5197
2	California Community Colleges	Merritt College	12500 Campus Drive	Oakland, CA 94619-3196
2	California Community Colleges	Mission College	3000 Mission College Boulevard	Santa Clara, CA 95054-1897
2	California Community Colleges	Napa Valley College	2277 Napa Vallejo Highway	Napa, CA 94558-6236
2	California Community Colleges	Ohlone College	43600 Mission Boulevard	Fremont, CA 94539-0911
2	California Community Colleges	San Jose City College	2100 Moorpark Avenue	San Jose, CA 95128-2799
2	California Community Colleges	Santa Rosa Junior College - Petaluma Campus	680 Sonoma Mountain Parkway	Petaluma, CA 94952
2	California Community Colleges	Skyline College	3300 College Drive	San Bruno, CA 94066-1662
2	California Community Colleges	Solano Community College	4000 Suisun Valley Road	Suisun City, CA 94585-3197
2	California Community Colleges	Vista College	2020 Milvia Street	Berkeley, CA 94704-1183
2	California Community Colleges	West Valley College	14000 Fruitvale Avenue	Saratoga, CA 95070-5699
2	California State University	California State University Hayward	25800 Carlos Bee Blvd	Hayward, CA 94542
2	California State University	California State University Maritime	200 Maritime Academy Drive	Vallejo, CA 94590
2	California State University	CSU Maritime Academy	200 MARITIME	Vallejo, CA
2	California State University	SF State University	1600 Holloway Avenue	San Francisco, CA 94132
2	Corrections, Dept of	San Quentin State Prison		San Quentin, CA 94964
2	Defense, Department of	Camp Parks	Bldg 790 Reserve Forces Training Area	Dublin, CA 94568-5201
2	Defense, Department of	Concord Naval Weapons Station	10 Delta St	Concord, CA 94520-5100
2	Defense, Department of	Oakland Army Base		, CA
2	Defense, Department of	Onizuka Air Station	1080 Lockheed Martin Way Box 41	Sunnyvale, CA 94089-1237
2	Defense, Department of	San Bruno Naval Facility	900 Commodore Drive	San Bruno, CA 94066-5006
2	Defense, Department of	Santa Clara Naval Reserve Center	500 Shenandoah Plaza, P.O. Box 128, M	Mountain View, CA 94035-0128
2	Defense, Department of	Travis Air Force Base	60 Support Group	Travis AFB, CA 94535-5049
2	Developmental Services, Dept of	Agnews Devolopmental Center East & West	3500 Zanker Road	San Jose, CA
2	District Agricultural Association	Napa County Fairgrounds	575 Third Street	Napa, CA
2	District Agricultural Association	Sonoma-Marin Fair	Fairgrounds Dr	Petaluma, CA

Region	Agency	Facility	Address	City, State, ZIP
2	Education, Dept of	Calif. School for the Blind	500 Walnut Ave.	Fremont, CA 94536-4365
2	Education, Dept of	Calif. School for the Deaf	39350 Gallaudet Dr.	Fremont, CA 94538-2308
2	Energy, Dept of	Sandia National Labs., CA Pgms.	P.O. Box 969, MS-9221	Livermore, CA 94550
2	Health Services, Dept of	Fairfield Animal Facility	6250 Lambie Road	Suisun City, CA
2	Menatl Health, Dept of	Napa State Hospital	2100 Napa-Vallejo Hwy	Napa, CA
2	NASA	Moffett Federal Air Field	NASA - AMES, MS 218-1	Moffett Airfield, CA 94035
2	Port of Oakland		530 Water Street	Oakland, CA 94607
2	Presido Trust		34 Graham Street PO Box 29052	San Franciso, CA 94129-0052
2	Rehabilitation, Dept of	Center for the Blind	400 Adams Street	Albany, CA
2	San Mateo Union High School District		650 N. Delaware St.	San Mateo, CA 94401-1795
2	School District, Acalanes Union High		1212 Pleasant Hill Road	Lafayette, CA 94549-2623
2	School District, Alameda City Unified		2200 Central Ave.	Alameda, CA 94501-4450
2	School District, Albany City Unified		904 Talbot Ave.	Albany, CA 94706-2020
2	School District, Alum Rock Union Elementary		2930 Gay Ave.	San Jose, CA 95127-2322
2	School District, Bayshore Elementary		1 Martin St.	Daly City, CA 94014-1603
2	School District, Belmont-Redwood Shores Elementary		2960 Hallmark Dr.	Belmont, CA 94002-2943
2	School District, Benicia Unified		350 East K St.	Benicia, CA 94510-3437
2	School District, Berkeley Unified		2134 Martin Luther King, Jr. W	Berkeley, CA 94704-1109
2	School District, Berryessa Union Elementary		1376 Piedmont Road	San Jose, CA 95132-2427
2	School District, Brisbane Elementary		1 Solano St.	Brisbane, CA 94005-1342
2	School District, Burlingame Elementary		1825 Trousdale Dr	Burlingame, CA 94010-4509
2	School District, Cabrillo Unified		498 Kelly Ave.	Half Moon Bay, CA 94019-1636
2	School District, Calistoga Joint Unified		1520 Lake St.	Calistoga, CA 94515-1605
2	School District, Cambrian Elementary		4115 Jacksol Dr.	San Jose, CA 95124-3312
2	School District, Campbell Union Elementary		155 N. Third St.	Campbell, CA 95008-2044
2	School District, Campbell Union High		3235 Union Ave.	San Jose, CA 95124-2009
2	School District, Canyon Elementary		187 Pinehurst Road	Canyon, CA 94516-0187
2	School District, Castro Valley Unified		4430 Alma Ave.	Castro Valley, CA 94546-0146
2	School District, Cinnabar Elementary		286 Skillman Lane	Petaluma, CA 94975-0399
2	School District, Cupertino Union Elementary		10301 Vista Dr.	Cupertino, CA 95014-2040
2	School District, Dixie Elementary		380 Nova Albion Way	San Rafael, CA 94903-3523
2	School District, Dublin Unified		7471 Larkdale Ave.	Dublin, CA 94568-1500
2	School District, Dunham Elementary		4111 Roblar Road	Petaluma, CA 94952-9202
2	School District, East Side Union High		830 N. Capitol Ave.	San Jose, CA 95133-1316
2	School District, Emery Unified		4727 San Pablo Ave.	Emeryville, CA 94608-3035
2	School District, Evergreen Elementary		3188 Quimby Road	San Jose, CA 95148-3022
2	School District, Fairfield-Suisun Unified		1975 Pennsylvania Ave.	Fairfield, CA 94533-
2	School District, Franklin-McKinley Elementary		645 Wool Creek Dr.	San Jose, CA 95112-2617
2	School District, Fremont Unified		4210 Technology Dr.	Fremont, CA 94537-5008
2	School District, Fremont Union High		589 W. Fremont Ave.	Sunnyvale, CA 94087-
2	School District, Hayward Unified		24411 Amador St.	Hayward, CA 94540-0001
2	School District, Hillsborough City Elementary		300 El Cerrito Ave.	Hillsborough, CA 94010-6818

Region	Agency	Facility	Address	City, State, ZIP
2	School District, Jefferson Elementary		101 Lincoln Ave.	Daly City, CA 94015-3934
2	School District, Jefferson Union High		699 Serramonte Blvd.,Suite 100	Daly City, CA 94015-4132
2	School District, John Swett Unified		341 #B (Selby)	Crockett, CA 94525-
2	School District, La Honda-Pescadero Unified		620 North St	Pescadero, CA 94060-0189
2	School District, Lafayette Elementary		3477 School St.	Lafayette, CA 94549-1029
2	School District, Laguna Joint Elementary		3286 Chileno Valley Road	Petaluma, CA 94952-9428
2	School District, Laguna Salada Union Elementary		375 Reina del Mar	Pacifica, CA 94044-3052
2	School District, Lakeside Joint Elementary		19621 Black Road	Los Gatos, CA 95030-9522
2	School District, Larkspur Elementary		230 Doherty Dr.	Larkspur, CA 94939-
2	School District, Las Lomitas Elementary		1011 Altschul Ave.	Menlo Park, CA 94025-6706
2	School District, Liberty Elementary		170 Liberty Road	Petaluma, CA 94952-1074
2	School District, Lincoln Elementary		1300 Hicks Valley Road	Petaluma, CA 94952-9407
2	School District, Livermore Valley Joint Unified		685 E. Jack London Blvd.	Livermore, CA 94550-1800
2	School District, Loma Prieta Joint Union Elementary		23800 Summit Road	Los Gatos, CA 95033-4054
2	School District, Los Altos Elementary		201 Covington Road	Los Altos, CA 94024-4030
2	School District, Los Gatos Union Elementary		15766 Poppy Lane	Los Gatos, CA 95030-3228
2	School District, Los Gatos-Saratoga Joint Union High		17421 Farley Road West	Los Gatos, CA 95030-3308
2	School District, Luther Burbank Elementary		4 Wabash Ave.	San Jose, CA 95128-1931
2	School District, Martinez Unified		921 Susana St.	Martinez, CA 94553-1848
2	School District, Menlo Park City Elementary		181 Encinal Ave.	Atherton, CA 94027-3102
2	School District, Mill Valley Elementary		411 Sycamore Ave.	Mill Valley, CA 94941-2231
2	School District, Millbrae Elementary		555 Richmond Dr.	Millbrae, CA 94030-1600
2	School District, Milpitas Unified		1331 E. Calaveras Blvd.	Milpitas, CA 95035-5707
2	School District, Montebello Elementary		15101 Montebello Road	Cupertino, CA 95014-5431
2	School District, Moraga Elementary		1540 School St.	Moraga, CA 94556-0158
2	School District, Moreland Elementary		4710 Campbell Ave.	San Jose, CA 95130-1709
2	School District, Mountain View-Los Altos Union High		1299 Bryant Ave.	Mountain View, CA 94040-4527
2	School District, Mountain View-Whisman Elementary		750 A San Pierre Way	Mountain View, CA 94043-
2	School District, Mt. Diablo Unified		1936 Carlotta Dr.	Concord, CA 94519-1358
2	School District, Mt. Pleasant Elementary		3434 Marten Ave.	San Jose, CA 95148-
2	School District, Napa Valley Unified		2425 Jefferson St.	Napa, CA 94558-4931
2	School District, New Haven Unified		34200 Alvarado-Niles Road	Union City, CA 94587-4402
2	School District, Newark Unified		5715 Musick Ave.	Newark, CA 94560-0385
2	School District, Novato Unified		1015 Seventh St.	Novato, CA 94945-2205
2	School District, Oak Grove Elementary		6578 Santa Teresa Blvd.	San Jose, CA 95119-1204
2	School District, Oakland Unified		1025 Second Ave.	Oakland, CA 94606-2212
2	School District, Old Adobe Union Elementary		845 Crinella Dr.	Petaluma, CA 94954-4450
2	School District, Orchard Elementary		921 Fox Lane	San Jose, CA 95131-
2	School District, Orinda Union Elementary		8 Altarinda Road	Orinda, CA 94563-2603
2	School District, Palo Alto Unified		25 Churchill Ave.	Palo Alto, CA 94306-1005
2	School District, Petaluma City Elementary		200 Douglas St.	Petaluma, CA 94952-2575
2	School District, Petaluma Joint Union High		200 Douglas St.	Petaluma, CA 94952-2575

Region	Agency	Facility	Address	City, State, ZIP
2	School District, Piedmont City Unified		760 Magnolia Ave.	Piedmont, CA 94611-4047
2	School District, Pittsburg Unified		2000 Railroad Ave.	Pittsburg, CA 94565-3830
2	School District, Pleasanton Unified		4665 Bernal Ave.	Pleasanton, CA 94566-7449
2	School District, Portola Valley Elementary		4575 Alpine Road	Portola Valley, CA 94028-8040
2	School District, Ravenswood City Elementary		2160 Euclid Ave.	East Palo Alto, CA 94303-1703
2	School District, Redwood City Elementary		750 Bradford St.	Redwood City, CA 94063-1727
2	School District, Reed Union Elementary		105A Avenida Miraflores	Tiburon, CA 94920-
2	School District, Ross Elementary		Lagunitas and Allen Aves.	Ross, CA 94957-1058
2	School District, Ross Valley Elementary		46 Green Valley Court	San Anselmo, CA 94960-1112
2	School District, San Bruno Park Elementary		500 Acacia Ave.	San Bruno, CA 94066-4298
2	School District, San Carlos Elementary		826 Chestnut St.	San Carlos, CA 94070-3802
2	School District, San Francisco Unified		135 Van Ness Ave.	San Francisco, CA 94102-5207
2	School District, San Jose Unified		855 Lenzen Ave.	San Jose, CA 95126-2736
2	School District, San Leandro Unified		14735 Juniper St.	San Leandro, CA 94579-1222
2	School District, San Lorenzo Unified		15510 Usher St.	San Lorenzo, CA 94580-
2	School District, San Mateo-Foster City Elementary		300 28th Ave.	San Mateo, CA 94402-0058
2	School District, San Rafael City Elementary		310 Nova Albion Way	San Rafael, CA 94903-
2	School District, San Rafael City High		310 Nova Albione	San Rafael, CA 94903-3500
2	School District, San Ramon Valley Unified		699 Old Orchard Dr.	Danville, CA 94526-4331
2	School District, Santa Clara Unified		1889 Lawrence Road	Santa Clara, CA 95052-0397
2	School District, Saratoga Union Elementary		20460 Forrest Hills Dr.	Saratoga, CA 95070-6020
2	School District, Sausalito Elementary		630 Nevada St.	Sausalito, CA 94965-1654
2	School District, Sequoia Union High		480 James Ave.	Redwood City, CA 94062-1041
2	School District, Sonoma Valley Unified		721 W. Napa St.	Sonoma, CA 95476-6412
2	School District, St. Helena Unified		465 Main St.	St. Helena, CA 94574-2159
2	School District, Sunnyvale Elementary		819 W. Iowa Ave.	Sunnyvale, CA 94088-3217
2	School District, Sunol Glen Unified		Main & Bond Sts.	Sunol, CA 94586-0569
2	School District, Tamalpais Union High		395 Doherty Dr.	Larkspur, CA 94977-0605
2	School District, Two Rock Union Elementary		5001 Spring Hill Road	Petaluma, CA 94952-9639
2	School District, Union Elementary		5175 Union Ave.	San Jose, CA 95124-5434
2	School District, Union Joint Elementary		5300 Red Hill Road	Petaluma, CA 94952-
2	School District, Vallejo City Unified		211 Valle Vista	Vallejo, CA 94590-3256
2	School District, Walnut Creek Elementary		960 Ygnacio Valley Road	Walnut Creek, CA 94596-3892
2	School District, Waugh Elementary		880 Maria Dr.	Petaluma, CA 94954-6837
2	School District, West Contra Costa Unified		1108 Bissell Ave.	Richmond, CA 94801-3135
2	School District, Wilmar Union Elementary		3775 Bodega Ave.	Petaluma, CA 94952-8023
2	School District, Woodside Elementary		3195 Woodside Road	Woodside, CA 94062-2552
2	Transportation, Department of	Alameda Coast Guard Integrated Support Command	MLCP "VS" Bldg 50-8, Coast Guard Isla	Alameda, CA 94501
2	Transportation, Department of	Petaluma Coast Guard Training Center	599 Tomales Rd	Petaluma, CA 94952-5000
2	University of California	Berkeley Laboratory	1 Cyclotron Road MS-65	Berkeley, CA 94720
2	University of California	Lawrence Livermore National Laboratory	7000 East Ave.	Livermore, CA 94550-9234
2	University of California	The University of California, San Francisco		San Francisco, CA 94143

Region	Agency	Facility	Address	City, State, ZIP
2	University of California	University of California Berkeley	Department/Office Name	Berkeley, CA 94720
2	Veteran Affairs	Martinez Center for Rehab & Extended Care	150 Muir Rd.	Martinez, CA 94553
2	Veteran Affairs	San Francisco VA Medical Center	4150 Clement Street	San Francisco, CA 94121-1598
2	Veteran Affairs	VA Northern California Health Care System	150 Muir Rd.	Martinez, CA 94553
2	Veteran Affairs	VA Palo Alto Health Care System	3801 Miranda Avenue	Palo Alto, CA 94304-290
3	Bureau of Prisons	FCI Lompoc	3600 Guard Road	Lompoc, CA 93436
3	Bureau of Prisons	USP Lompoc	3901 Klein Boulevard	Lompoc, CA 93436
3	California Army National Guard	Camp Roberts	ATTN: CACR-DIS	Camp Roberts, CA 93451-5000
3	California Army National Guard	Camp San Luis Obispo	PO Box 4360	San Luis Obispo, CA 93403-4360
3	California Community Colleges	Allan Hancock College	800 South College Drive	Santa Maria, CA 93454-6368
3	California Community Colleges	Cabrillo College	6500 Soquel Drive	Aptos, CA 95003-3119
3	California Community Colleges	Cuesta College	PO Box 8106	San Luis Obispo, CA 93403-8106
3	California Community Colleges	Gavilan College	5055 Santa Teresa Blvd.	Gilroy, CA 95020-9599
3	California Community Colleges	Hartnell College	156 Homestead Avenue	Salinas, CA 93901-1697
3	California Community Colleges	Monterey Peninsula College	980 Fremont Street	Monterey, CA 93940-4799
3	California Community Colleges	Santa Barbara City College	721 Cliff Drive	Santa Barbara, CA 93109-2394
3	California State University	California Polytechnic State University	1 Grand Ave.	San Luis Obispo, CA 93407
3	California State University	California State Monerey Bay	100 Canpus Center	Seaside, CA 93955
3	California Youth Authority	Ben Lomond Youth Conservation Camp	13575 Empire Grade	Santa Cruz, CA
3	California Youth Authority	El Paso de Robles Youth Correctional Facility	Airport Road	Paso Robles, CA
3	Corrections, Dept of	California Men's Colony	Highway 1	San Luis Obispo, CA 93409-8101
3	Corrections, Dept of	Correctional Training Facility	Highway 101 North	Soledad, CA 93960-0686
3	Corrections, Dept of	Salinas Valley State Prison	PO Box 1020	Soledad, CA 93960-1020
3	Defense, Department of	Camp San Luis Obispo	PO Box 4360	San Luis Obispo, CA 93403-4360
3	Defense, Department of	Defense Language Institute Foreign Language Center and	Bldg 4463 Giggling Rd.	Presido of Monterey, CA 93941-5777
3	Defense, Department of	Fort Hunter Liggett	AFRC-FMH-CDR	Fort Hunter Liggett, CA 93928-7000
3	Defense, Department of	Naval Postgraduate School Monterey Bay	1 University Circle	Monterey, CA 93943-5001
3	Defense, Department of	Vandenberg Air Force Base	30 CES/CEZ, 806 13th St. Suite 116	Vandenberg Air Force Base, CA 93437-5242
3	District Agricultural Association	Earl Warren Showgrounds (National Horse Show)	3400 Calle Real	Santa Barbara, CA
3	District Agricultural Association	Monterey County Fairgrounds	2004 Fairground Road	Monterey, CA
3	District Agricultural Association	San Luis Obispo County Fairgrounds	2198 Riverside Avenue	Paso Robles, CA
3	District Agricultural Association	Santa Cruz County Fairgounds	2601 Eest Lake Avenue	Watsonville, CA
3	District Agricultural Association	Santa Maria Fairpark	937 S Thornburg Street	Santa Maria, CA
3	Mental Health, Dept of	Atascadero State Hospital	10333 El Camino Real	Atascadero, CA
3	School District, Alisal Union Elementary		1205 E. Market St.	Salinas, CA 93905-2831
3	School District, Atascadero Unified		5601 West Mall	Atascadero, CA 93422-4234
3	School District, Ballard Elementary		2425 School St.	Solvang, CA 93463-9709
3	School District, Bitterwater-Tully Union Elementary		Lonoak Rt.	King City, CA 93930-
3	School District, Blochman Union Elementary		4949 Foxen Canyon Road	Santa Maria, CA 93454-9666
3	School District, Bonny Doon Union Elementary		1492 Pine Flat Road	Santa Cruz, CA 95060-9711

Region	Agency	Facility	Address	City, State, ZIP
3	School District, Buellton Union Elementary		301 Second St.	Buellton, CA 93427-0075
3	School District, Carmel Unified		4380 Carmel Valley Road	Carmel, CA 93922-2700
3	School District, Carpinteria Unified		1400 Lindon Ave.	Carpinteria, CA 93013-1414
3	School District, Cayucos Elementary		2950 Santa Rosa Creek Road	Cambria, CA 93428-3506
3	School District, Cienega Union Elementary		11936 Cienega Road	Hollister, CA 95023-9697
3	School District, Coast Unified		2950 Santa Rosa Creek Road	Cambria, CA 93428-3506
3	School District, Cold Spring Elementary		2243 Sycamore Canyon Road	Santa Barbara, CA 93108-1909
3	School District, College Elementary		3325 Pine St.	Santa Ynez, CA 93460-0188
3	School District, Gilroy Unified		7810 Arroyo Circle	Gilroy, CA 95020-7313
3	School District, Goleta Union Elementary		401 N. Fairview Ave.	Goleta, CA 93117-1732
3	School District, Graves Elementary		15 McFadden Road	Salinas, CA 93908-
3	School District, Greenfield Union Elementary		493 El Camino Real	Greenfield, CA 93927-
3	School District, Happy Valley Elementary		3125 Branciforte Dr.	Santa Cruz, CA 95065-9775
3	School District, Hollister School District		2690 Cienega Rd	Hollister, CA 95023-
3	School District, Hope Elementary		3970 la Colina Road	Santa Barbara, CA 93110-1563
3	School District, King City Joint Union High		800 Broadway	King City, CA 93930-3326
3	School District, King City Union Elementary		800 Broadway	King City, CA 93930-2984
3	School District, Lagunita Elementary		975 San Juan Grade Road	Salinas, CA 93907-8438
3	School District, Live Oak Elementary		984-1 Bostwick Lane	Santa Cruz, CA 95062-1756
3	School District, Live Oak Unified		2201 Pennington Road	Live Oak, CA 95953-2469
3	School District, Lompoc Unified		1301 North A St.	Lompoc, CA 93438-8000
3	School District, Los Olivos Elementary		2540 Alamo Pintado Ave.	Los Olivos, CA 93441-0208
3	School District, Lucia Mar Unified		602 Orchard St.	Arroyo Grande, CA 93420-4000
3	School District, Mission Union Elementary		36825 Foothill Road	Soledad, CA 93960-9656
3	School District, Montecito Union Elementary		385 San Ysidro Road	Santa Barbara, CA 93108-2131
3	School District, Monterey Peninsula Unified		700 Pacific St.	Monterey, CA 93942-1031
3	School District, Morgan Hill Unified		15600 Concord Circle	Morgan Hill, CA 95037-7110
3	School District, Mountain Elementary		3042 Old San Jose Road	Soquel, CA 95073-9752
3	School District, North County Joint Union Elementary		500 Spring Grove Road	Hollister, CA 95023-9366
3	School District, Nuestro Elementary		3934 Broadway Road	Live Oak, CA 95953-9401
3	School District, Orcutt Union Elementary		Soares & Dyer Sts.	Orcutt, CA 93457-2310
3	School District, Pacific Grove Unified		555 Sinex Ave.	Pacific Grove, CA 93950-4320
3	School District, Pajaro Valley Joint Unified		294 Greenvalley Rd	Watsonville, CA 95076-
3	School District, Paso Robles Joint Unified		800 Niblick Road	Paso Robles, CA 93447-7010
3	School District, Salinas City Elementary		431 W. Alisal St.	Salinas, CA 93901-1624
3	School District, Salinas Union High		431 W. Alisal St.	Salinas, CA 93901-1624
3	School District, San Benito High		1220 Monterey St.	Hollister, CA 95023-4708
3	School District, San Lorenzo Valley Unified		6134 Hwy. 9	Felton, CA 95018-9704
3	School District, San Luis Coastal Unified		1500 Lizzie St.	San Luis Obispo, CA 93401-3099
3	School District, Santa Barbara Elementary		720 Santa Barbara St.	Santa Barbara, CA 93101-
3	School District, Santa Barbara High		720 Santa Barbara St.	Santa Barbara, CA 93101-
3	School District, Santa Cruz City Elementary		2931 Mission St.	Santa Cruz, CA 95060-

Region	Agency	Facility	Address	City, State, ZIP
3	School District, Santa Cruz City High		2931 Mission St.	Santa Cruz, CA 95060-5709
3	School District, Santa Maria Joint Union High		2560 Skyway Dr.	Santa Maria, CA 93455-
3	School District, Santa Maria-Bonita Elementary		708 S. Miller St.	Santa Maria, CA 93454-6230
3	School District, Santa Rita Union Elementary		57 Russell Road	Salinas, CA 93906-4325
3	School District, Santa Ynez Valley Union High		2975 E. Hwy. 246	Santa Ynez, CA 93460-
3	School District, Scotts Valley Unified		4444 Scotts Valley Dr., Ste 5B	Scotts Valley, CA 95066-4529
3	School District, Soledad Unified		335 Market St.	Soledad, CA 93960-
3	School District, Solvang Elementary		565 Atterdag Road	Solvang, CA 93463-2690
3	School District, Soquel Union Elementary		620 Monterey Ave.	Capitola, CA 95010-3618
3	School District, Southside Elementary		4991 Southside Road	Hollister, CA 95023-9637
3	School District, Templeton Unified		960 Old County Road	Templeton, CA 93465-9419
3	School District, Washington Union Elementary		43 San Benancio Canyon Rd	Salinas, CA 93908-
3	University of California	UC Santa Barbara		Santa Barbara, CA 93106
3	University of California	University of California, Santa Cruz	1156 High Street	Santa Cruz, CA 95064
4	Bureau of Prisons	CCM Long Beach	535 N. Alameda Street	Los Angeles, CA 90012
4	Bureau of Prisons	FCI Terminal Island	1299 Seaside Avenue	Terminal Island, CA 90731
4	California Air National Guard	Channel Island Air National Guard Base	100 Mulcahey Dr	Port Hueneme, CA 93041-4002
4	California Community Colleges	Cerritos College	11110 Alondra Boulevard	Norwalk, CA 90650-6269
4	California Community Colleges	Citrus College	1000 West Foothill Boulevard	Glendora, CA 91741-1899
4	California Community Colleges	College Of The Canyons	26455 N. Rockwell Canyon Road	Santa Clarita, CA 91355-1899
4	California Community Colleges	Compton College	1111 East Artesia Boulevard	Compton, CA 90221-5393
4	California Community Colleges	East Los Angeles College	1301 Avenida Cesar Chavez	Monterey Park, CA 91754-6099
4	California Community Colleges	El Camino College	16007 Crenshaw Boulevard	Torrance, CA 90506-0002
4	California Community Colleges	Glendale Community College	1500 North Verdugo Road	Glendale, CA 91208-2894
4	California Community Colleges	Long Beach City College	4901 East Carson Street	Long Beach, CA 90808-1706
4	California Community Colleges	Los Angeles City College	855 North Vermont Avenue	Los Angeles, CA 90029-3590
4	California Community Colleges	Los Angeles Harbor College	1111 Figueroa Place	Wilmington, CA 90744-2397
4	California Community Colleges	Los Angeles Mission College	13356 Eldridge Avenue	Sylmar, CA 91342-3200
4	California Community Colleges	Los Angeles Pierce College	6201 Winnetka Avenue	Woodland Hills, CA 91371-0001
4	California Community Colleges	Los Angeles Southwest College	1600 West Imperial Highway	Los Angeles, CA 90047-4899
4	California Community Colleges	Los Angeles Trade-Tech College	400 West Washington Boulevard	Los Angeles, CA 90015-4108
4	California Community Colleges	Los Angeles Valley College	5800 Fulton Avenue	Van Nuys, CA 91401-4096
4	California Community Colleges	Moorpark College	7075 Campus Road	Moorpark, CA 93201-1695
4	California Community Colleges	Mt. San Antonio College	1100 North Grand Avenue	Walnut, CA 91789-1399
4	California Community Colleges	Oxnard College	4000 South Rose Avenue	Oxnard, CA 93033-6699
4	California Community Colleges	Pasadena City College	1570 East Colorado Boulevard	Pasadena, CA 91106-2003
4	California Community Colleges	Rio Hondo College	3600 Workman Mill Road	Whittier, CA 90601-1699
4	California Community Colleges	Santa Monica College	1900 Pico Boulevard	Santa Monica, CA 90405-1628
4	California Community Colleges	Ventura College	4667 Telegraph Road	Ventura, CA 93003-3899
4	California Community Colleges	West Los Angeles College	4800 Freshman Drive	Culver City, CA 90230-3500
4	California State University	California State Polytechnic University, Pomona	3801 West Temple Avenue	Pomona, CA 91768
4	California State University	California State University Channel Islands	One University Drive	Camarillo, CA 93012

Region	Agency	Facility	Address	City, State, ZIP
4	California State University	California State University Dominguez Hills	1000 E. Victoria Street	Carson, CA 90747
4	California State University	California State University Long Beach	1250 Bellflower Blvd.	Long Beach, CA 90840
4	California State University	California State University Los Angeles	5151 State University Drive	Los Angeles, CA 90032-4226
4	California State University	California State University Northridge	18111 Nordhoff Street	Northridge, CA 91330
4	California Youth Authority	Fred C. Nelles Youth Correcitonal Facility	11850 E Whittier	Whittier, CA
4	California Youth Authority	Southern Youth Correctional Reception Center and Clinic	13200 S Bloomfield Ave	Norwalk, CA
4	California Youth Authority	Ventura Youth Correctional Facility	3100 Wright Rd	Camarillo, CA
4	Defense, Department of	Corona Naval Station	P.O. Box 5000	Corona, CA 92878-5000
4	Defense, Department of	Los Angeles Air Force Base	61 ABG/CEZV, 2420 Vela Way Suite 14	El Segundo, CA 90245
4	Defense, Department of	Naval Auxiliary Landing Field, San Clemente Island	33000 Nixie Way Bldg 50, Suite 326	San Diego, CA 92147-5110
4	Defense, Department of	Naval Base Ventura County		, CA
4	Defense, Department of	Port Hueneme Naval Facility	4363 Missile Way	Port Hueneme, CA 93043-4307
4	Defense, Department of	San Nicholas Island Naval Facility	NAWS-890000E	Point Mugu, CA 93042-5001
4	Devlopmental Services, Dept of	Lanterman Developmental Center	3530 West Pomona Blvd	Pomona, CA
4	District Agricultural Association	Ventura County Fairgrounds	10 West Harbor Blvd	Ventura, CA
4	Mental Health, Dept of	Metropolitan State Hospital	11401 Bloomfield Avenue	Norwalk, CA
4	School District, ABC Unified		16700 Norwalk Blvd.	Cerritos, CA 90703-1838
4	School District, Acton-Agua Dulce Unified		32248 N. Crown Valley Road	Acton, CA 93510-0068
4	School District, Alhambra City Elementary		15 W. Alhambra Road	Alhambra, CA 91802-2110
4	School District, Alhambra City High		15 W. Alhambra Road	Alhambra, CA 91802-2110
4	School District, Arcadia Unified		234 Campus Dr.	Arcadia, CA 91007-6902
4	School District, Azusa Unified		546 S. Citrus Ave.	Azusa, CA 91702-0500
4	School District, Baldwin Park Unified		3699 N. Holly Ave.	Baldwin Park, CA 91706-5397
4	School District, Bassett Unified		904 N. Willow Ave.	La Puente, CA 91746-1615
4	School District, Bellflower Unified		16703 S. Clark Ave.	Bellflower, CA 90706-5203
4	School District, Beverly Hills Unified		255 S. Lasky Dr.	Beverly Hills, CA 90212-3644
4	School District, Bonita Unified		115 W. Allen Ave.	San Dimas, CA 91773-1437
4	School District, Briggs Elementary		14438 W. Telegraph Road	Santa Paula, CA 93060-3088
4	School District, Burbank Unified		1900 W Olive Ave	Burbank, CA 91506
4	School District, Castaic Union Elementary		28131 Livingston Ave.	Valencia, CA 91355-
4	School District, Centinela Valley Union High		14901 S. Inglewood Ave.	Lawndale, CA 90260-1251
4	School District, Charter Oak Unified		20240 Cienega Ave.	Covina, CA 91723-0009
4	School District, Claremont Unified		2080 N. Mountain Ave.	Claremont, CA 91711-2643
4	School District, Compton Unified		604 S. Tamarind Ave.	Compton, CA 90220-3826
4	School District, Conejo Valley Unified		1400 E. Janss Road	Thousand Oaks, CA 91362-2133
4	School District, Covina-Valley Unified		519 E. Badillo St.	Covina, CA 91723-0269
4	School District, Culver City Unified		4034 Irving Pl.	Culver City, CA 90232-2810
4	School District, Downey Unified		11627 Brookshire Ave.	Downey, CA 90241-7017
4	School District, Duarte Unified		1620 Huntington Dr.	Duarte, CA 91010-2534
4	School District, East Whittier City Elementary		14535 E. Whittier Blvd.	Whittier, CA 90605-2130
4	School District, El Monte City Elementary		3540 N. Lexington Ave.	El Monte, CA 91731-2684
4	School District, El Monte Union High		3537 Johnson Ave.	El Monte, CA 91731-3290

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4	School District, El Rancho Unified		9333 Loch Lomond Dr.	Pico Rivera, CA 90660-2913
4	School District, El Segundo Unified		641 Sheldon St.	El Segundo, CA 90245-3036
4	School District, Fillmore Unified		627 Sespe Ave.	Fillmore, CA 93016-0697
4	School District, Garvey Elementary		2730 N. del Mar	Rosemead, CA 91770-3026
4	School District, Glendale Unified		223 N. Jackson St.	Glendale, CA 91206-4334
4	School District, Glendora Unified		500 N. Loraine Ave.	Glendora, CA 91741-2964
4	School District, Hacienda la Puente Unified		15959 E. Gale Ave.	City Of Industry, CA 91716-
4	School District, Hawthorne Elementary		14120 S. Hawthorne Blvd.	Hawthorne, CA 90250-
4	School District, Hermosa Beach City Elementary		1645 Valley Dr.	Hermosa Beach, CA 90254-2921
4	School District, Hueneme Elementary		205 North Ventura Road	Port Hueneme, CA 93041-3065
4	School District, Inglewood Unified		401 S. Inglewood Ave.	Inglewood, CA 90301-2501
4	School District, La Canada Unified		5039 Palm Dr.	La Canada, CA 91011-1518
4	School District, Las Virgenes Unified		4111 N. Las Virgenes Road	Calabasas, CA 91302-1929
4	School District, Lawndale Elementary		4161 W. 147th St.	Lawndale, CA 90260-1709
4	School District, Lennox Elementary		10319 S. Firmona Ave.	Lennox, CA 90304-1419
4	School District, Little Lake City Elementary		10515 S. Pioneer Blvd.	Santa Fe Springs, CA 90670-3703
4	School District, Long Beach Unified		1515 Hughes Way	Long Beach, CA 90810-1839
4	School District, Los Angeles Unified		450 N. Grand Ave.	Los Angeles, CA 90012-2100
4	School District, Los Nietos Elementary		8324 S. Westman Ave., Whittier	Whittier, CA 90606-
4	School District, Lowell Joint		11019 Valley Home Ave.	Whittier, CA 90603-3042
4	School District, Lynwood Unified		11321 Bullis Road	Lynwood, CA 90262-3600
4	School District, Manhattan Beach Unified		1230 Rosecrans Suite 400	Manhattan Beach, CA 90266-2478
4	School District, Mesa Union Elementary		3901 N. Mesa School Road	Somis, CA 93066-9734
4	School District, Monrovia Unified		325 E. Huntington Dr.	Monrovia, CA 91016-3585
4	School District, Montebello Unified		123 S. Montebello Blvd.	Montebello, CA 90640-4729
4	School District, Moorpark Unified		30 Flory Ave.	Moorpark, CA 93021-1862
4	School District, Mountain View Elementary		3320 Gilman Road	El Monte, CA 91732-3226
4	School District, Mupu Elementary		4410 N. Ojai Road	Santa Paula, CA 93060-9681
4	School District, Newhall Elementary		25375 Orchard Village, Ste. 200	Valencia, CA 91355-3055
4	School District, Norwalk-La Mirada Unified		12820 Pioneer Blvd.	Norwalk, CA 90650-2894
4	School District, Ocean View Elementary		2382 Etting Road	Oxnard, CA 93033-6864
4	School District, Ojai Unified		414 E. Ojai Ave.	Ojai, CA 93024-0878
4	School District, Oxnard Elementary		1051 South A St.	Oxnard, CA 93030-7442
4	School District, Oxnard Union High		309 South K St.	Oxnard, CA 93030-5212
4	School District, Palos Verdes Peninsula Unified		3801 Via la Selva	Palos Verdes Estates, CA 90274-1119
4	School District, Paramount Unified		15110 California Ave.	Paramount, CA 90723-4320
4	School District, Pasadena Unified		351 S. Hudson Ave.	Pasadena, CA 91101-3507
4	School District, Pleasant Valley Elementary		600 Temple Ave.	Camarillo, CA 93010-4835
4	School District, Pomona Unified		800 S. Garey Ave	Pomona, CA 91769-2900
4	School District, Redondo Beach Unified		1401 Inglewood Ave.	Redondo Beach, CA 90278-3912
4	School District, Rio Elementary		3300 Cortez St.	Oxnard, CA 93030-1309

Region	Agency	Facility	Address	City, State, ZIP
4	School District, Rosemead Elementary		3907 Rosemead Blvd.	Rosemead, CA 91770-2041
4	School District, Rowland Unified		1830 Nogales St.	Rowland Heights, CA 91748-
4	School District, San Gabriel Unified		102 E. Broadway	San Gabriel, CA 91776-4500
4	School District, San Marino Unified		1665 West Dr.	San Marino, CA 91108-2594
4	School District, Santa Clara Elementary		20030 E. Telegraph Road	Santa Paula, CA 93060-9691
4	School District, Santa Monica-Malibu Unified		1651 16th St.	Santa Monica, CA 90404-3891
4	School District, Santa Paula Elementary		201 S. Steckel Dr.	Santa Paula, CA 93061-0710
4	School District, Santa Paula Union High		500 E. Santa Barbara St.	Santa Paula, CA 93060-2633
4	School District, Saugus Union Elementary		24930 Avenue Stanford .	Santa Clarita, CA 91355-1272
4	School District, Simi Valley Unified		875 E. Cochran	Simi Valley, CA 93065-0999
4	School District, Somis Union Elementary		5268 North St.	Somis, CA 93066-0900
4	School District, South Pasadena Unified		1020 El Centro St.	South Pasadena, CA 91030-3118
4	School District, South Whittier Elementary		10120 Painter Ave.	Whittier, CA 90605-0037
4	School District, Sulphur Springs Union Elementary		17866 Sierra Hwy.	Canyon Country, CA 91351-1671
4	School District, Temple City Unified		9700 Las Tunas Drive	Temple City, CA 91780-
4	School District, Torrance Unified		2335 Plaza del Amo	Torrance, CA 90501-3420
4	School District, Valle Lindo Elementary		1431 N. Central Ave.	South El Monte, CA 91733-3388
4	School District, Ventura Unified		120 E. Santa Clara St.	Ventura, CA 93001-2716
4	School District, Walnut Valley Unified		880 S. Lemon Ave.	Walnut, CA 91789-2931
4	School District, West Covina Unified		1717 W. Merced Ave.	West Covina, CA 91790-3406
4	School District, Whittier City Elementary		7211 S. Whittier Ave.	Whittier, CA 90602-1123
4	School District, Whittier Union High		9401 S. Painter Ave.	Whittier, CA 90605-2798
4	School District, William S. Hart Union High		21515 Redview Dr.	Santa Clarita, CA 91350-2948
4	School District, Wiseburn Elementary		13530 Aviation Blvd.	Hawthorne, CA 90250-6462
4	Science Center, California	California Science Center	700 State Drive	Los Angeles, CA
4	University of California	UCLA	405 Hilgard Avenue Box 951361	Los Angeles, CA 90095-1361
4	Veteran Affairs	Long Beach VA Medical Center	5901 E. 7th Street	Long Beach, CA 90822
4	Veteran Affairs	VA Greater Los Angeles Healthcare System (GLA)	11301 Willshire Boulevard	Los Angeles, CA 90073
5F	Bureau of Prisons	USP Atwater	PO Box 019000	Atwater, CA 95301
5F	California Air National Guard	144th Fighter Wing	5323 East McKinley Avenue	Fresno, CA 93727-2199
5F	California Air National Guard	Fresno Air National Guard Base	5323 E McKinley Ave	Fresno, CA 93727
5F	California Community Colleges	Bakersfield College	1801 Panorama Drive	Bakersfield, CA 93305-1299
5F	California Community Colleges	College of the Sequoias	915 South Mooney Boulevard	Visalia, CA 93277-2234
5F	California Community Colleges	Fresno City College	1101 E. University Avenue	Fresno, CA 93741-0001
5F	California Community Colleges	Merced College	3600 M Street	Merced, CA 95348-2898
5F	California Community Colleges	Porterville College	100 East College Avenue	Porterville, CA 93257-5901
5F	California Community Colleges	Reedley College	995 N. Reed Avenue	Reedley, CA 93654-2099
5F	California State University	California State University Bakersfield	9001 Stockdale Highway	Bakersfield, CA 93311-1099
5F	Defense, Department of	Lemoore Naval Air Station	751 Enterprise Ave	Lemoore NAS, CA 93246
5F	Developmental Services, Dept of	Porterville Developmental Center	26501 AVE 140	Porterville, CA
5F	District Agricultural Association	Kern County Fairgrounds	1142 South P Street	Bakersfield, CA
5F	District Agricultural Association	Kings County Fairgrounds	810 S 10th Ave	Hanford, CA

Region	Agency	Facility	Address	City, State, ZIP
5F	District Agricultural Association	Madera County Fairgournds	1850 W Cleveland	Madera, CA
5F	District Agricultural Association	Merced County Fairgrounds	900 Martin Luther King	Merced, CA
5F	District Agricultural Association	The Big Fresno Fair	1121 Chance Ave	Fresno, CA
5F	District Agricultural Association	Tulare County Fairgrounds	215 Martin Luther King	Tulare, CA
5F	School District, Alta Vista Elementary		2293 E. Crabtree Ave.	Porterville, CA 93257-5225
5F	School District, American Union Elementary		2801 W. Adams Ave.	Fresno, CA 93706-9601
5F	School District, Atwater Elementary		1401 Broadway Ave.	Atwater, CA 95301-
5F	School District, Bakersfield City Elementary		1300 Baker St.	Bakersfield, CA 93305-4326
5F	School District, Beardsley Elementary		1001 Roberts Lane	Bakersfield, CA 93308-4503
5F	School District, Buena Vista Elementary		21660 Road 60	Tulare, CA 93274-9470
5F	School District, Burton Elementary		264 N. Westwood St.	Porterville, CA 93257-2542
5F	School District, Central Unified		4605 N. Polk Ave.	Fresno, CA 93722-5334
5F	School District, Central Union Elementary		15783 18th Ave.	Lemoore, CA 93245-9742
5F	School District, Citrus South Tule Elementary		31374 Success Valley Dr.	Porterville, CA 93257-9638
5F	School District, Clay Joint Elementary		12449 S. Smith Ave.	Kingsburg, CA 93631-9717
5F	School District, Clovis Unified		1450 Herndon Ave.	Clovis, CA 93611-0567
5F	School District, Delhi Unified		9715 Hinton Ave.	Delhi, CA 95315-0338
5F	School District, Delta View Joint Union Elementary		1201 Lacey Blvd.	Hanford, CA 93230-9306
5F	School District, Edison Elementary		9600 Eucalyptus Dr.	Bakersfield, CA 93306-6781
5F	School District, Exeter Union Elementary		134 South E St.	Exeter, CA 93221-
5F	School District, Exeter Union High		134 South E St.	Exeter, CA 93221-
5F	School District, Fairfax Elementary		1500 S. Fairfax Road	Bakersfield, CA 93307-3151
5F	School District, Farmersville Unified		281 S. Farmersville Blvd.	Farmersville, CA 93223-1833
5F	School District, Fresno Unified		Ed. Cntr., Tulare & M Sts	Fresno, CA 93721-
5F	School District, Fruitvale Elementary		7311 Rosedale Hwy.	Bakersfield, CA 93308-5738
5F	School District, General Shafter Elementary		1316 Shafter Road	Bakersfield, CA 93313-9766
5F	School District, Golden Valley Unified		37479 Avenue 12	Madera, CA 93638-
5F	School District, Greenfield Union Elementary		1624 Fairview Road	Bakersfield, CA 93307-5512
5F	School District, Hanford Elementary		714 N. White St.	Hanford, CA 93232-
5F	School District, Hanford Joint Union High		120 E. Grangeville Road	Hanford, CA 93230-3067
5F	School District, Hope Elementary		816 W. Teapot Dome Ave.	Porterville, CA 93257-9465
5F	School District, Island Union Elementary		7799 21st Ave.	Lemoore, CA 93245-9673
5F	School District, Kern Union High		5801 Sundale Ave	Bakersfield, CA 93309-2924
5F	School District, Kings Canyon Joint Unified		675 W. Manning Ave.	Reedley, CA 93654-2427
5F	School District, Kings River Union Elementary		3961 Ave. 400	Kingsburg, CA 93631-9660
5F	School District, Kings River-Hardwick Union Elementary		10300 Excelsior Ave.	Hanford, CA 93230-9108
5F	School District, Kingsburg Joint Union Elementary		1310 Stroud Ave.	Kingsburg, CA 93631-1000
5F	School District, Kingsburg Joint Union High		1900 18th Ave.	Kingsburg, CA 93631-1629
5F	School District, Kit Carson Union Elementary		9895 Seventh Ave.	Hanford, CA 93230-8802
5F	School District, Lakeside Union Elementary		9100 Jersey Ave.	Hanford, CA 93230-9560
5F	School District, Lakeside Union School		14535 Old River Rd.	Bakersfield, CA 93311-9756
5F	School District, Lemoore Union Elementary		100 Vine St.	Lemoore, CA 93245-3418

Region	Agency	Facility	Address	City, State, ZIP
5F	School District, Lemoore Union High		101 E. Bush St.	Lemoore, CA 93245-3601
5F	School District, Liberty Elementary		11535 Ave. 264	Visalia, CA 93277-9483
5F	School District, Los Banos Unified		1717 S. 11th St.	Los Banos, CA 93635-4800
5F	School District, Madera Unified		1902 Howard Road	Madera, CA 93637-5123
5F	School District, McSwain Union Elementary		926 N. Scott Road	Merced, CA 95340-8893
5F	School District, Merced City Elementary		444 W. 23rd St.	Merced, CA 95340-3723
5F	School District, Merced Union High		Olive Ave. & G St.	Merced, CA 95344-0147
5F	School District, Monroe Elementary		11842 S. Chestnut Ave.	Fresno, CA 93725-9618
5F	School District, Norris Elementary		6940 Calloway Dr.	Bakersfield, CA 93312-9005
5F	School District, Oak Valley Union Elementary		24500 Road 68	Tulare, CA 93274-9607
5F	School District, Orange Center Elementary		3530 S. Cherry Ave.	Fresno, CA 93706-5615
5F	School District, Outside Creek Elementary		26452 Road 164	Visalia, CA 93292-9740
5F	School District, Pacific Union Elementary		2065 E. Bowles Ave.	Fresno, CA 93725-9630
5F	School District, Palo Verde Union Elementary		9637 Ave. 196	Tulare, CA 93274-9529
5F	School District, Panama Buena Vista Union Elementary		4200 Ashe Road	Bakersfield, CA 93313-2029
5F	School District, Pioneer Union Elementary		8810 14th Ave.	Hanford, CA 93230-9677
5F	School District, Plainsburg Union Elementary		3708 S. Plainsburg Road	Merced, CA 95340-9557
5F	School District, Pleasant View Elementary		14004 Road 184	Porterville, CA 93257-9214
5F	School District, Porterville Unified		600 West Grand Ave.	Porterville, CA 93257-2029
5F	School District, Rio Bravo-Greeley Union Elementary		6521 Enos Lane	Bakersfield, CA 93312-8721
5F	School District, Rockford Elementary		14983 Road 208	Porterville, CA 93257-9318
5F	School District, Rosedale Union Elementary		2553 Old Farm Road	Bakersfield, CA 93312-3531
5F	School District, Selma Unified		3036 Thompson Ave.	Selma, CA 93662-2497
5F	School District, Standard Elementary		1200 N. Chester Ave.	Bakersfield, CA 93308-3521
5F	School District, Stone Corral Elementary		15590 Ave. 383	Visalia, CA 93292-9545
5F	School District, Strathmore Union Elementary		23024 Ave. 198	Strathmore, CA 93267-0247
5F	School District, Strathmore Union High		22568 Ave. 196	Strathmore, CA 93267-0114
5F	School District, Sundale Union Elementary		13990 Ave. 240	Tulare, CA 93274-9563
5F	School District, Sunnyside Union Elementary		21644 Ave. 196	Strathmore, CA 93267-9795
5F	School District, Tulare City Elementary		600 N. Cherry Ave.	Tulare, CA 93274-2920
5F	School District, Tulare Joint Union High		426 N. Blackstone	Tulare, CA 93274-4449
5F	School District, Vineland Elementary		14713 Weedpatch Hwy.	Bakersfield, CA 93307-9653
5F	School District, Visalia Unified		5000 W Cypress Ave.	Visalia, CA 93277-8300
5F	School District, Washington Colony Elementary		130 E. Lincoln Ave.	Fresno, CA 93706-6043
5F	School District, Washington Union High		6041 S. Elm Ave.	Fresno, CA 93706-6099
5F	School District, Waukena Joint Union Elementary		19113 Road 28	Tulare, CA 93274-
5F	School District, Weaver Union Elementary		3076 E. Childs Ave.	Merced, CA 95340-9583
5F	School District, West Fresno Elementary		2888 S. Ivy St.	Fresno, CA 93706-5513
5F	School District, West Park Elementary		2695 S. Valentine Ave.	Fresno, CA 93706-9042
5F	School District, Woodville Elementary		16541 Road 168	Porterville, CA 93257-9205
5F	University of California	University of California, Merced	1170 W. Olive Avenue Suite I	Merced, CA 95348-1959
5F	Veteran Affairs	VA Central California Health Care System	2615 E. Clinton Avenue	Fresno, CA 93703

Region	Agency	Facility	Address	City, State, ZIP
5R	California Community Colleges	Shasta College	11555 Old Oregon Trail PO Box 496006	Redding, CA 96049-6006
5R	California State University	California State University Chico	400 West First Street	Chico, CA 95929
5R	District Agricultural Association	Shasta County Fairgrounds	1890 Briggs Street	Anderson, CA
5R	District Agricultural Association	Silver Dollar Fairgrounds	2357 Fair Street	Chico, CA
5R	School District, Anderson Union High		1471 Ferry St.	Anderson, CA 96007-3313
5R	School District, Cascade Union Elementary		1645 W. Mill St.	Anderson, CA 96007-3226
5R	School District, Chico Unified		1163 E. Seventh St.	Chico, CA 95928-5903
5R	School District, Columbia Elementary		10142 Old Oregon Trail Road	Redding, CA 96003-7995
5R	School District, Durham Unified		9420 Putney Dr.	Durham, CA 95938-0300
5R	School District, Enterprise Elementary		1155 Mistletoe Lane	Redding, CA 96002-0749
5R	School District, Gateway Unified		4411 Mountain Lakes Blvd.	Redding, CA 96003-1446
5R	School District, Grant Elementary		8835 Swasey Dr.	Redding, CA 96001-9722
5R	School District, Happy Valley Union Elementary		16300 Cloverdale Road	Anderson, CA 96007-
5R	School District, Pacheco Union Elementary		7433 Pacheco Rd	Redding, CA 96002-4603
5R	School District, Redding Elementary		5885 E. Bonnyview Road	Redding, CA 96099-2418
5R	School District, Shasta Union High		2200 Eureka way Suite B	Redding, CA 96001-
5S	California Air National Guard	162nd Combat Communications Group	3900 Roseville Road	North Highlands, CA 95660-5794
5S	California Community Colleges	American River College	4700 College Oak Drive	Sacramento, CA 95841-4286
5S	California Community Colleges	Cosumnes River College	8401 Center Parkway	Sacramento, CA 95823-5799
5S	California Community Colleges	Modesto Junior College	435 College Avenue	Modesto, CA 95350-5800
5S	California Community Colleges	Sacramento City College	3835 Freeport Boulevard	Sacramento, CA 95822-1386
5S	California Community Colleges	San Joaquin Delta College	5151 Pacific Avenue	Stockton, CA 95207-6370
5S	California Community Colleges	Sierra College	5000 Rocklin Road	Rocklin, CA 95677-3397
5S	California Community Colleges	Yuba College	2088 North Beale Road	Marysville, CA 95901-7699
5S	California State University	California State University Sacramento	6000 J Street	Sacramento, CA 95819
5S	California State University	California State University Stanislaus	801 West Monte Vista Ave	Turlock, CA 95382
5S	California Youth Authority	Northern California Youth Correctional Center	7650 Newcastle Rd	Stockton, CA
5S	California Youth Authority	Northern Youth Correctional Reception Center and Clinic	3001 Ramona Ave	Sacramento, CA
5S	Corrections, Dept of	California Medical Facility	1600 California Dr	Vacaville, CA 95696-2000
5S	Corrections, Dept of	CSP, Sacramento	PO Box 29	Represa, CA 95671
5S	Corrections, Dept of	CSP, Solano County	2100 Peabody Road	Vacaville, CA 95696-4000
5S	Corrections, Dept of	Deuel Vocational Institution	23500 Kasson Road	Tracy, CA 95378-0004
5S	Corrections, Dept of	Folsom State Prison	300 Prison Road	Represa, CA 95671
5S	Corrections, Dept of	Northern California Women's Facility	7150 East Arch Road	Stockton, CA 95213-9006
5S	Defense, Department of	Beale Air Force Base	9 CES/CEV 6601 B Street	Beale AFB, CA 95903-1708
5S	Defense, Department of	Defense Distribution San Joaquin	PO Box 960001	Stockton, CA 95296-0002
5S	Defense, Department of	McClellan Air Force Base	3237 Peacekeeper Way Suite 1	McClellan AFB, CA 95652-1044
5S	Defense, Department of	Stockton Naval Communications Station	305 Fyffe Ave	Stockton, CA 95203-4920
5S	District Agricultural Association	Contra Costa County Fairgrounds	1201 West 10th Street	Antioch, CA
5S	District Agricultural Association	Dixon May Fair	655 S First Street	Dixon, CA
5S	District Agricultural Association	Gold Country Fairgrounds	1273 High Street	Auburn, CA
5S	District Agricultural Association	Lake County Fairgrounds	401 Martin Street	Lakeport, CA

Region	Agency	Facility	Address	City, State, ZIP
5S	District Agricultural Association	Nevada County Fairgrounds	11228 McCourtney Road	Grass Valley, CA
5S	District Agricultural Association	San Joaquin County Fairgrounds	1658 S Airport Way	Stockton, CA
5S	District Agricultural Association	Stanislaus County Fairgrounds	900 N Broadway	Turlock, CA
5S	District Agricultural Association	Sutter County Fairgrounds	442 Franklin Ave	Yuba City, CA
5S	District Agricultural Association	Yolo County Fairgrounds	Hwy 113 & Gibson Rd	Woodland, CA
5S	Exposition & State Fair, California	California Exposition & State Fair	1600 Exposition Blvd	Sacramento, CA
5S	School District, Ackerman Elementary		13777 Bowman Road	Auburn, CA 95603-3147
5S	School District, Antioch Unified		510 G St.	Antioch, CA 94509-0904
5S	School District, Arcohe Union Elementary		11755 Ivie Road	Herald, CA 95638-0093
5S	School District, Auburn Union Elementary		55 College Way	Auburn, CA 95603-
5S	School District, Brentwood Union Elementary		255 Guthrie Lane	Brentwood, CA 94513-1610
5S	School District, Center Joint Unified		8408 Watt Ave.	Antelope, CA 95843-9116
5S	School District, Ceres Unified		2503 Lawrence St	Ceres, CA 95307-0307
5S	School District, Chatom Union Elementary		7201 Clayton Ave.	Turlock, CA 95380-9352
5S	School District, Chicago Park Elementary		15725 Mt Olive Road	Grass Valley, CA 95945-7906
5S	School District, Clear Creek Elementary		17700 McCourtney Road	Grass Valley, CA 95949-7636
5S	School District, Davis Joint Unified		526 B St.	Davis, CA 95616-3811
5S	School District, Del Paso Heights Elementary		3780 Rosin Court, Suite 270	Sacramento, CA 95834-1646
5S	School District, Dixon Unified		305 N. Almond St.	Dixon, CA 95620-2702
5S	School District, Dry Creek Joint Elementary		9707 Cook Riolo Road	Roseville, CA 95747-9793
5S	School District, El Dorado Union High		4675 Missouri Flat Road	Placerville, CA 95619-
5S	School District, Elk Grove Unified		9510 Elk Grove-Florin Road	Elk Grove, CA 95624-1801
5S	School District, Elverta Joint Elementary		8920 Elwyn Ave.	Elverta, CA 95626-9217
5S	School District, Empire Union Elementary		116 N. McClure Road	Modesto, CA 95357-1329
5S	School District, Eureka Union Elementary		5477 Eureka Road	Granite Bay, CA 95746-8808
5S	School District, Folsom-Cordova Unified		125 East Bidwell St.	Folsom, CA 95630-3241
5S	School District, Franklin Elementary		332 N. Township Road	Yuba City, CA 95993-9629
5S	School District, Galt Joint Union Elementary		1018 C St. Suite 210	Galt, CA 95632-
5S	School District, Galt Joint Union High		145 N. Lincoln Way	Galt, CA 95632-1720
5S	School District, Gold Oak Union Elementary		3171 Pleasant Valley Road	Placerville, CA 95667-7836
5S	School District, Gold Trail Union Elementary		1575 Old Ranch Road	Placerville, CA 95667-8929
5S	School District, Grant Joint Union High		1333 Grand Ave.	Sacramento, CA 95838-3697
5S	School District, Grass Valley Elementary		10840 Gilmore Way	Grass Valley, CA 95945-5409
5S	School District, Hart-Ransom Union Elementary		3920 Shoemake Ave.	Modesto, CA 95358-8577
5S	School District, Holt Union Elementary		1545 S. Holt Road	Stockton, CA 95206-9618
5S	School District, Hughson Unified		7419 East Whitmore Ave.	Hughson, CA 95326-
5S	School District, Jefferson Elementary		7500 W. Linne Road	Tracy, CA 95376-9278
5S	School District, Keyes Union Elementary		5465 Seventh St.	Keyes, CA 95328-0549
5S	School District, Knightsen Elementary		1923 Delta Road	Knightsen, CA 94548-0265
5S	School District, Lakeport Unified		100 Lange St.	Lakeport, CA 95453-3297
5S	School District, Lammersville Elementary		16555 W. Von Sosten Road	Tracy, CA 95376-7220
5S	School District, Liberty Union High		20 Oak St.	Brentwood, CA 94513-1379

Region	Agency	Facility	Address	City, State, ZIP
5S	School District, Lincoln Unified		2010 W. Swain Road	Stockton, CA 95207-4055
5S	School District, Lodi Unified		1305 E. Vine St.	Lodi, CA 95240-3148
5S	School District, Loomis Union Elementary		3290 Humphrey Road	Loomis, CA 95650-9043
5S	School District, Manteca Unified		2901 E. Louise Ave.	Manteca, CA 95336-0032
5S	School District, Marysville Joint Unified		1919 B St.	Marysville, CA 95901-3731
5S	School District, Modesto City Elementary		426 Locust St.	Modesto, CA 95351-2631
5S	School District, Modesto City High		426 Locust St.	Modesto, CA 95351-2631
5S	School District, Mother Lode Union Elementary		3783 Forni Road	Placerville, CA 95667-6207
5S	School District, Natomas Unified		1515 Sports Dr., Suite 1	Sacramento, CA 95834-1905
5S	School District, Nevada Joint Union High		11645 Ridge Road	Grass Valley, CA 95945-5024
5S	School District, New Jerusalem Elementary		31400 S. Koster Road	Tracy, CA 95376-8824
5S	School District, North Sacramento Elementary		670 Dixieanne Ave.	Sacramento, CA 95815-3023
5S	School District, Oakdale Joint Unified		168 S. Third Ave.	Oakdale, CA 95361-3935
5S	School District, Oakley Union Elementary		91 Mercedes Lane	Oakley, CA 94561-
5S	School District, Paradise Elementary		3361 California Ave.	Modesto, CA 95358-8337
5S	School District, Patterson Joint Unified		200 N. Seventh St.	Patterson, CA 95363-0547
5S	School District, Placer Union High		13000 New Airport Road	Auburn, CA 95604-5048
5S	School District, Placerville Union Elementary		1032 Thompson Way	Placerville, CA 95667-5713
5S	School District, Pleasant Ridge Union Elementary		22580 Kingston Lane	Grass Valley, CA 95949-7706
5S	School District, Plumas Elementary		2743 Plumas-Arboga Road	Marysville, CA 95901-9638
5S	School District, Rio Linda Union Elementary		627 L St.	Rio Linda, CA 95673-3430
5S	School District, Ripon Unified		304 N. Acacia Ave.	Ripon, CA 95366-2404
5S	School District, River Delta Joint Unified		445 Montezuma	Rio Vista, CA 94571-1651
5S	School District, Riverbank Unified		6715 7th St.	Riverbank, CA 95367-2345
5S	School District, Robla Elementary		5248 Rose St.	Sacramento, CA 95838-1633
5S	School District, Rocklin Unified		5035 Meyers St.	Rocklin, CA 95677-2811
5S	School District, Roseville City Elementary		1000 Darling Way	Roseville, CA 95678-4341
5S	School District, Roseville Joint Union High		1750 Cirby Way	Roseville, CA 95661-5520
5S	School District, Sacramento City Unified		520 Capitol Mall	Sacramento, CA 95812-2271
5S	School District, Salida Union Elementary		5250 Tamara Way	Salida, CA 95368-9226
5S	School District, San Juan Unified		3738 Walnut Ave.	Carmichael, CA 95609-0477
5S	School District, Shiloh Elementary		6633 Paradise Road	Modesto, CA 95358-9253
5S	School District, Stanislaus Union Elementary		3601 Carver Road	Modesto, CA 95356-0926
5S	School District, Stockton City Unified		701 N. Madison St.	Stockton, CA 95202-1634
5S	School District, Sylvan Union Elementary		605 Sylvan Ave.	Modesto, CA 95350-1517
5S	School District, Tracy Joint Unified		315 East Eleventh St.	Tracy, CA 95376-4095
5S	School District, Turlock Joint Elementary		1574 E Canal Dr.	Turlock, CA 95381-1105
5S	School District, Turlock Joint Union High		1574 E Canal Dr.	Turlock, CA 95381-1105
5S	School District, Union Hill Elementary		10879 Bartlett Dr.	Grass Valley, CA 95945-8730
5S	School District, Vacaville Unified		751 School St.	Vacaville, CA 95688-3945
5S	School District, Washington Unified		930 West Acres Road	West Sacramento, CA 95691-3224
5S	School District, Western Placer Unified		810 J Street	Lincoln, CA 95648-1825

Region	Agency	Facility	Address	City, State, ZIP
5S	School District, Woodland Joint Unified		630 Cottonwood St.	Woodland, CA 95695-3615
5S	School District, Yuba City Unified		750 Palora Ave.	Yuba City, CA 95991-3627
5S	University of California	The University of California, Davis	One Shields Avenue	Davis, CA 95616
5S	Veteran Affairs	Sacramento Medical Center @ Mather	10535 Hospital Way	Sacramento, CA 95655
6A	School District, Lake Tahoe Unified		1021 Al Tahoe Blvd.	South Lake Tahoe, CA 96150-4426
6B	Bureau of Prisons	FCI Victorville	PO Box 5400	Adelanto, CA 92301
6B	California Community Colleges	Antelope Valley College	3041 West Avenue K	Lancaster, CA 93536-5426
6B	California Community Colleges	Victor Valley College	18422 Bear Valley Road	Victorville, CA 92392-5849
6B	Corrections, Dept of	CSP, Los Angeles County	44750 60th Street West	Lancaster, CA 93536-7620
6B	Defense, Department of	Production Flight Test Installation, Air Force Plant 42	2503 East Avenue P	Palmdale, CA 93550-2196
6B	District Agricultural Association	San Bernardino County Fairgrounds	14800 Seventh Street	Victorville, CA
6B	School District, Antelope Valley Union High		44811 North Sierra Hwy.	Lancaster, CA 93534-3226
6B	School District, Apple Valley Unified		22974 Bear Valley Road	Apple Valley, CA 92308-7423
6B	School District, Eastside Union Elementary		6742 E. Avenue H	Lancaster, CA 93535-7849
6B	School District, Hesperia Unified		9144 Third St.	Hesperia, CA 92345-3643
6B	School District, Lancaster Elementary		44711 N. Cedar Ave.	Lancaster, CA 93534-3210
6B	School District, Palmdale Elementary		39139 10th St. East.	Palmdale, CA 93550-3419
6B	School District, Victor Elementary		15579 Eighth St.	Victorville, CA 92392-3348
6B	School District, Victor Valley Union High		16350 Mojave Dr.	Victorville, CA 92392-3655
6B	School District, Westside Union Elementary		46809 N. 70th St. West	Lancaster, CA 93535-7836
6B	School District, Wilsona Elementary		18050 East Ave. O	Palmdale, CA 93591-3800
7	California Community Colleges	College of the Desert	43 500 Monterey Avenue	Palm Desert, CA 92260-2499
7	School District, Banning Unified		161 W. Williams St.	Banning, CA 92220-4746
7	School District, Brawley Elementary		261 D St.	Brawley, CA 92227-1912
7	School District, Brawley Union High		480 N. Imperial Ave.	Brawley, CA 92227-1625
7	School District, Calexico Unified		901 Andrade Ave.	Calexico, CA 92232-0792
7	School District, Central Union High		1001 Brighton Ave.	El Centro, CA 92243-3110
7	School District, Coachella Valley Unified		87-225 Church St.	Thermal, CA 92274-0847
7	School District, Desert Sands Unified		47-950 Dune Palms Rd	La Quinta, CA 92253-4000
7	School District, El Centro Elementary		1256 Broadway	El Centro, CA 92243-2317
7	School District, Imperial Unified		219 North E Street	Imperial, CA 92254
7	School District, Palm Springs Unified		333 S. Farrell Dr.	Palm Springs, CA 92262-7905
8	California Air National Guard	163rd Air Refueling Wing	1620 Graeber Street, #6	March Field, CA 92518-1614
8	California Army National Guard	Los Alamitos AFRC	Lexington Dr	Los Alamitos, CA 90720
8	California Community Colleges	Chaffey College	5885 Haven Avenue	Rancho Cucamonga, CA 91737-3002
8	California Community Colleges	Coastline Community College	11460 Warner Avenue	Fountain Valley, CA 92708-2597
8	California Community Colleges	Crafton Hills College	11711 Sand Canyon Road	Yucaipa, CA 92399-1799
8	California Community Colleges	Cypress College	9200 Valley View Street	Cypress, CA 90630-5897
8	California Community Colleges	Fullerton College	321 East Chapman Avenue	Fullerton, CA 92832-2095
8	California Community Colleges	Golden West College	15744 Goldenwest Street	Huntington Beach, CA 92647 0592
8	California Community Colleges	Irvine Valley College	5500 Irvine Center Drive	Irvine, CA 92720-4399

Region	Agency	Facility	Address	City, State, ZIP
8	California Community Colleges	Mt. San Jacinto College	1499 North State Street	San Jacinto, CA 92583-2399
8	California Community Colleges	Orange Coast College	2701 Fairview Road PO Box 5005	Costa Mesa, CA 92628-5005
8	California Community Colleges	Riverside Community College	4800 Magnolia Avenue	Riverside, CA 92506-1293
8	California Community Colleges	San Bernardino Valley College	701 S. Mt. Vernon Avenue	San Bernardino, CA 92410-2798
8	California Community Colleges	Santa Ana College	1530 W. 17th Street	Santa Ana, CA 92706-3398
8	California Community Colleges	Santiago Canyon College	8045 E. Chapman Avenue	Orange, CA 92869-4512
8	California State University	California State University Fullerton	P.O. Box 34080	Fullerton, CA 92834
8	California State University	California State University San Bernardino	5500 University Parkway	San Bernardino, CA 92407
8	California Youth Authority	Heman G. Stark Youth Correctional Facility	15180 Eculid Ave	Chino, CA
8	Corrections, Dept of	California Institution for Men	14901 Central Avenue	Chino, CA 91710
8	Corrections, Dept of	California Institution for Women	16756 Chino-Corona Road	Corona, CA 92878-6000
8	Corrections, Dept of	California Rehabilitation Center	5th & Western	Norco, CA 91760
8	Defense, Department of	March Air Reserve Base	2145 Graeber St, Ste 117	March ARB, CA 92518-1671
8	Defense, Department of	Naval Warfare Assessment Sation	2300 Fifth St	Norco, CA 91760
8	Defense, Department of	Seal Beach Naval Weapons Station	800 Seal Beach Blvd	Seal Beach, CA 90740-5000
8	Developmental Services, Dept of.	Fairview Developmental Center	2501 Harbor Blvd	Cotsa Mesa, CA
8	District Agricultural Association	Orange County Fairgrounds	88 Fair Drive	Costa Mesa, CA
8	Education, Dept of	Calif. School for the Deaf	3044 Horace St.	Riverside, CA 92506-4498
8	Mental Health, Dept of	Patton State Hospital	3102 e Highland Ave	Patton, CA
8	School District, Alta Loma Elementary		9340 Baseline Road	Alta Loma, CA 91701-5821
8	School District, Alvord Unified		10365 Keller Ave	Riverside, CA 92505-1349
8	School District, Anaheim Elementary		1001 S. East St.	Anaheim, CA 92805-5749
8	School District, Anaheim Union High		501 Crescent Way	Anaheim, CA 92803-3520
8	School District, Bear Valley Unified		42271 Moonridge Road	Big Bear Lake, CA 92315-1529
8	School District, Beaumont Unified		500 Grace Ave.	Beaumont, CA 92223-0187
8	School District, Brea-Olinda Unified		Number One Civic Cntr.	Brea, CA 92821-9990
8	School District, Buena Park Elementary		6885 Orangethorpe Ave.	Buena Park, CA 90620-1348
8	School District, Central Elementary		10601 Church St., Suite 112	Rancho Cucamonga, CA 91730-6863
8	School District, Centralia Elementary		6625 la Palma Ave.	Buena Park, CA 90620-2859
8	School District, Chaffey Joint Union		211 W. Fifth St.	Ontario, CA 91762-1698
8	School District, Chino Valley Unified		5130 Riverside Dr.	Chino, CA 91710-4130
8	School District, Colton Joint Unified		1212 Valencia Dr.	Colton, CA 92324-1798
8	School District, Corona-Norco Unified		2820 Clark Ave.	Norco, CA 91760-1903
8	School District, Cucamonga Elementary		8776 Archibald Ave.	Rancho Cucamonga, CA 91730-4698
8	School District, Cypress Elementary		9470 Moody St.	Cypress, CA 90630-2919
8	School District, Etiwanda Elementary		6061 East Ave.	Etiwanda, CA 91739-0248
8	School District, Fontana Unified		9680 Citrus Ave.	Fontana, CA 92335-5571
8	School District, Fountain Valley Elementary		17210 Oak St.	Fountain Valley, CA 92708-3405
8	School District, Fullerton Elementary		1401 W. Valencia Dr.	Fullerton, CA 92633-3938
8	School District, Fullerton Joint Union High		1051 W. Bastanchury Road	Fullerton, CA 92833-2247

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8	School District, Garden Grove Unified		10331 Stanford Ave.	Garden Grove, CA 92840-6351
8	School District, Hemet Unified		2350 W. Latham Ave.	Hemet, CA 92545-3632
8	School District, Huntington Beach City Elementary		20451 Craimer Lane	Huntington Beach, CA 92646-0071
8	School District, Huntington Beach Union High		10251 Yorktown Ave.	Huntington Beach, CA 92646-2999
8	School District, Irvine Unified		5050 Barranca Parkway	Irvine, CA 92604-4652
8	School District, Jurupa Unified		3924 Riverview Dr.	Riverside, CA 92509-6611
8	School District, La Habra City Elementary		500 N. Walnut St.	La Habra, CA 90633-0307
8	School District, Lake Elsinore Unified		545 Chaney St.	Lake Elsinore, CA 92530-2723
8	School District, Los Alamitos Unified		10293 Bloomfield St.	Los Alamitos, CA 90720-2264
8	School District, Magnolia Elementary		2705 W. Orange Ave.	Anaheim, CA 92804-3203
8	School District, Menifee Union Elementary		30205 Menifee Road	Menifee, CA 92584-8109
8	School District, Moreno Valley Unified		25634 Alessandro Blvd.	Moreno Valley, CA 92553-4306
8	School District, Mountain View Elementary		2585 S. Archibald Ave.	Ontario, CA 91761-8146
8	School District, Newport-Mesa Unified		2985-A Bear St.	Costa Mesa, CA 92626-
8	School District, Nuview Union Elementary		29780 Lakeview Ave.	Nuevo, CA 92567-9261
8	School District, Ocean View Elementary		17200 Pinehurst Lane	Huntington Beach, CA 92647-5569
8	School District, Ontario-Montclair Elementary		950 West D St.	Ontario, CA 91762-3026
8	School District, Orange Unified		1401 N. Handy St.	Orange, CA 92856-
8	School District, Perris Elementary		143 E. First St.	Perris, CA 92570-2113
8	School District, Perris Union High		155 E. Fourth St.	Perris, CA 92570-2124
8	School District, Placentia-Yorba Linda Unified		1301 E. Orangethorpe Ave.	Placentia, CA 92670-5302
8	School District, Redlands Unified		20 W. Lugonia	Redlands, CA 92373-1508
8	School District, Rialto Unified		182 E. Walnut Ave.	Rialto, CA 92376-3530
8	School District, Riverside Unified		3380 14th St.	Riverside, CA 92516-2800
8	School District, Romoland Elementary		25900 Leon Road	Homeland, CA 92548-
8	School District, San Bernardino City Unified		777 North F St.	San Bernardino, CA 92410-3017
8	School District, San Jacinto Unified		2045 S. San Jacinto Ave.	San Jacinto, CA 92583-5626
8	School District, Santa Ana Unified		1601 E. Chestnut Ave.	Santa Ana, CA 92701-6322
8	School District, Savanna Elementary		1330 S. Knott Ave.	Anaheim, CA 92804-4711
8	School District, Tustin Unified		300 South C St.	Tustin, CA 92780-3695
8	School District, Upland Unified		390 N. Euclid Ave.	Upland, CA 91785-1239
8	School District, Val Verde Unified		975 E. Morgan Road	Perris, CA 92571-3103
8	School District, Westminster Elementary		14121 Cedarwood Ave.	Westminster, CA 92683-4482
8	School District, Yucaipa-Calimesa Jt. Unified		12797 Third St.	Yucaipa, CA 92399-4544
8	University of California	University of California, Irvine		Irvine, CA 92697
8	University of California	University of California, Riverside	900 University Avenue	Riverside, CA 92521
8	Veteran Affairs	Jerry L. Pettis Memorial VA Medical Center	11201 Benton Street	Loma Linda, CA 92357
9	Bureau of Prisons	MCC San Diego	808 Union Street	San Diego, CA 92101-6078
9	California Community Colleges	Cuyamaca College	900 Rancho San Diego Parkway	El Cajon, CA 92019-4304
9	California Community Colleges	Grossmont College	8800 Grossmont College Drive	El Cajon, CA 92020-1799
9	California Community Colleges	MiraCosta College	1 Barnard Drive	Oceanside, CA 92056-3899
9	California Community Colleges	Palomar College	1140 West Mission Road	San Marcos, CA 92069-1487

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9	California Community Colleges	Saddleback College	28000 Marguerite Parkway	Mission Viejo, CA 92692-3699
9	California Community Colleges	San Diego City College	1313 12th Avenue	San Diego, CA 92101-4787
9	California Community Colleges	San Diego Mesa College	7250 Mesa College Drive	San Diego, CA 92111-4996
9	California Community Colleges	San Diego Miramar College	10440 Black Mountain Road	San Diego, CA 92126-2999
9	California Community Colleges	Southwestern College	900 Otay Lakes Road	Chula Vista, CA 91910-7299
9	California State University	California State University San Marcos	333 S. Twin Oaks Valley Rd.	San Marcos, CA 92096
9	California State University	San Diego State University	5500 Campanile Drive	San Diego, CA 92182
9	Corrections, Dept of	R J Donovan Correctional Facility at Rock Mountain	480 Alta Road	San Diego, CA 92179
9	Defense, Department of	Camp Pendleton Marine Corps Base	PO Box 555010	Camp Pendleton, CA 92055-5010
9	Defense, Department of	Fleet & Industrial Supply Center, Pt. Loma	937 N Harbor Dr	San Diego, CA 92132-0002
9	Defense, Department of	Fleet and Industrial Supply Center, Broadway Complex	33000 Nixie Way Bldg 50, Suite 326	San Diego, CA 92147-5110
9	Defense, Department of	Fleet Anti-Submarine Warfare Training Center, Pacific	33000 Nixie Way Bldg 50, Suite 326	San Diego, CA 92147-5110
9	Defense, Department of	Fleet Combat Training Center, Pacific	33000 Nixie Way Bldg 50, Suite 326	San Diego, CA 92147-5110
9	Defense, Department of	Magnetic Silencing Facility	33000 Nixie Way Bldg 50, Suite 326	San Diego, CA 92147-5110
9	Defense, Department of	Miramar Marine Corps Air Station	PO Box 452013	San Diego, CA 92145
9	Defense, Department of	Mission Gorge Recreational Facility	33000 Nixie Way Bldg 50, Suite 326	San Diego, CA 92147-5110
9	Defense, Department of	Naval Air Station, North Island	33000 Nixie Way Bldg 50, Suite 326	San Diego, CA 92147-5110
9	Defense, Department of	Naval Amphibious Base, Coronado	33000 Nixie Way Bldg 50, Suite 326	San Diego, CA 92147-5110
9	Defense, Department of	Naval Medical Center, San Diego	34800 Bob Wilson Drive	San Diego, CA 92134
9	Defense, Department of	Naval Outlying Landing Field, Imperial Beach	33000 Nixie Way, Building 50, Suite 326	San Diego, CA 92147-5110
9	Defense, Department of	Naval Radio Receiving Facility	33000 Nixie Way, Building 50, Suite 326	San Diego, CA 92147-5110
9	Defense, Department of	Naval Station, San Diego	3455 Senn Rd	San Diego, CA 92136-5084
9	Defense, Department of	Naval Submarine Base, San Diego	140 Sylvester Rd	San Diego, CA 92106-5200
9	Defense, Department of	Naval Weapon Station, Fallbrook	700 Ammunition Rd	Fallbrook, CA 92028-3187
9	Defense, Department of	Navy Public Works Center, Taylor Street Facility	33000 Nixie Way Bldg 50, Suite 326	San Diego, CA 92147-5110
9	Defense, Department of	San Diego Marine Corps Recruit Depot	1600 Henderson Ave #120	San Diego, CA 92140-5001
9	Defense, Department of	Space and Naval Warfare Systems Center, Old Town Cam		San Diego, CA
9	Defense, Department of	Space and Naval Warfare Systems Center, Point Loma Ca		San Diego, CA
9	District Agricultural Association	San Diego County Fairgrounds	2260 Jimmy Durante Blvd	Del Mar, CA
9	School District, Alpine Union Elementary		1323 Administration Way	Alpine, CA 91901-2104
9	School District, Bonsall Union Elementary		31505 Old River Road	Bonsall, CA 92003-5112
9	School District, Cajon Valley Union Elementary		189 Roanoke Road	El Cajon, CA 92022-1007
9	School District, Capistrano Unified		32972 Calle Perfecto	San Juan Capistrano, CA 92675-4706
9	School District, Carlsbad Unified		801 Pine Ave.	Carlsbad, CA 92008-2430
9	School District, Chula Vista Elementary		84 East J St.	Chula Vista, CA 91910-6115
9	School District, Coronado Unified		555 D Ave.	Coronado, CA 92118-1714
9	School District, Dehesa Elementary		4612 Dehesa Road	El Cajon, CA 92019-2922
9	School District, Del Mar Union Elementary		225 Ninth St.	Del Mar, CA 92014-2716
9	School District, Encinitas Union Elementary		101 South Rancho Santa Fe Road	Encinitas, CA 92024-4308
9	School District, Escondido Union Elementary		1330 E. Grand Ave.	Escondido, CA 92027-3099
9	School District, Escondido Union High		302 N. Midway Dr.	Escondido, CA 92027-2741

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9	School District, Fallbrook Union Elementary		321 N. Iowa St.	Fallbrook, CA 92088-0698
9	School District, Fallbrook Union High		S. Mission Road & Stage Coach L	Fallbrook, CA 92088-0368
9	School District, Grossmont Union High		1100 Murray Dr.	La Mesa, CA 91944-1043
9	School District, Jamul-Dulzura Union Elementary		14581 Lyons Valley Road	Jamul, CA 91935-3324
9	School District, Julian Union Elementary		1704 Hwy. 78	Julian, CA 92036-0337
9	School District, Julian Union High		1656 Hwy. 78	Julian, CA 92036-0417
9	School District, La Mesa-Spring Valley		4750 Date Ave.	La Mesa, CA 91941-5214
9	School District, Laguna Beach Unified		550 Blumont St.	Laguna Beach, CA 92651-2356
9	School District, Lakeside Union Elementary		12335 Woodside Ave.	Lakeside, CA 92040-0578
9	School District, Lemon Grove Elementary		8025 Lincoln St.	Lemon Grove, CA 91945-2515
9	School District, Mountain Empire Unified		3291 Buckman Springs Road	Pine Valley, CA 91962-4003
9	School District, Murrieta Valley Unified		41870 McAlby ct	Murrieta, CA 92562-7021
9	School District, National Elementary		1500 N Ave.	National City, CA 91950-4827
9	School District, Oceanside Unified		2111 Mission Ave.	Oceanside, CA 92054-2326
9	School District, Poway Unified		13626 Twin Peaks Road	Poway, CA 92064-3034
9	School District, Ramona City Unified		720 Ninth St.	Ramona, CA 92065-2348
9	School District, Rancho Santa Fe Elementary		5927 la Granada	Rancho Santa Fe, CA 92067-0809
9	School District, Saddleback Valley Unified		25631 Peter A Hartman Way	Mission Viejo, CA 92691-
9	School District, San Diego City Unified		4100 Normal St.	San Diego, CA 92103-2653
9	School District, San Dieguito Union High		710 Encinitas Blvd.	Encinitas, CA 92024-3357
9	School District, San Marcos Unified		1 Civic Center Dr., Suite 300	San Marcos, CA 92069-
9	School District, San Pasqual Union Elementary		16666 San Pasqual Valley Road	Escondido, CA 92027-7001
9	School District, San Ysidro Elementary		4350 Otay Mesa Road	San Ysidro, CA 92173-1617
9	School District, Santee Elementary		9625 Cuyamaca St.	Santee, CA 92071-2674
9	School District, Solana Beach Elementary		309 N. Rios Ave.	Solana Beach, CA 92075-1241
9	School District, South Bay Union Elementary		601 Elm Ave.	Imperial Beach, CA 91932-2029
9	School District, Spencer Valley Elementary		4414 Hwys. 78 and 79	Santa Ysabel, CA 92070-0159
9	School District, Sweetwater Union High		1130 Fifth Ave.	Chula Vista, CA 91911-2812
9	School District, Temecula Valley Unified		31350 Rancho Vista Road	Temecula, CA 92592-6202
9	School District, Vallecitos Elementary		5211 Fifth St.	Fallbrook, CA 92028-9795
9	School District, Valley Center-Pauma Unified		28751 Cole Grade Rd.	Valley Center, CA 92082-6599
9	School District, Vista Unified		1234 Arcadia Ave.	Vista, CA 92084-3404
9	School District, Warner Unified		30951 Hwy. 79	Warner Springs, CA 92086-0008
9	University of California	University of California, San Diego	9500 Gilman Dr.	La Jolla, CA 92093
9	Veteran Affairs	VA San Diego Healthcare System	3350 La Jolla Village Drive	San Diego, CA 92161

Areas subject to high growth or serving a population of at least 50,000 must comply with the following provisions (for counties this threshold population applies to the population within the permit area).

A. RECEIVING WATER LIMITATIONS

1. Discharges shall not cause or contribute to an exceedance of water quality standards contained in a Statewide Water Quality Control Plan, the California Toxics Rule (CTR), or in the applicable RWQCB Basin Plan.

2. The permittees shall comply with Receiving Water Limitations A.1 through timely implementation of control measures and other actions to reduce pollutants in the discharges in accordance with the SWMP and other requirements of this permit including any modifications. The SWMP shall be designed to achieve compliance with Receiving Water Limitations A.1. If exceedance(s) of water quality objectives or water quality standards (collectively, WQS) persist notwithstanding implementation of the SWMP and other requirements of this permit, the permittees shall assure compliance with Receiving Water Limitations A.1 by complying with the following procedure:

   a. Upon a determination by either the permittees or the RWQCB that discharges are causing or contributing to an exceedance of an applicable WQS, the permittees shall promptly notify and thereafter submit a report to the RWQCB that describes BMPs that are currently being implemented and additional BMPs that will be implemented to prevent or reduce any pollutants that are causing or contributing to the exceedance of WQSs. The report may be incorporated in the annual update to the SWMP unless the RWQCB directs an earlier submittal. The report shall include an implementation schedule. The RWQCB may require modifications to the report.

   b. Submit any modifications to the report required by the RWQCB within 30 days of notification.

   c. Within 30 days following approval of the report described above by the RWQCB, the permittees shall revise the SWMP and monitoring program to incorporate the approved modified BMPs that have been and will be implemented, implementation schedule, and any additional monitoring required.

   d. Implement the revised SWMP and monitoring program in accordance with the approved schedule.

   So long as the permittees have complied with the procedures set forth above and are implementing the revised SWMP, the permittees do not have to repeat the same procedure for continuing or recurring exceedances of the same receiving water limitations unless directed by the RWQCB to develop additional BMPs.

B. DESIGN STANDARDS

Regulated Small MS4s subject to this requirement must adopt an ordinance or other document to ensure implementation of the Design Standards included herein or a functionally equivalent program that is acceptable to the appropriate RWQCB. The ordinance or other document must be adopted and effective prior to the expiration of this General Permit or, for Small MS4s designated subsequent to the Permit adoption, within five years of designation as a regulated Small MS4.

All discretionary development and redevelopment projects that fall into one of the following categories are subject to these Design Standards. These categories are:

- Single-Family Hillside Residences
- 100,000 Square Foot Commercial Developments
- Automotive Repair Shops
- Retail Gasoline Outlets
- Restaurants
- Home Subdivisions with 10 or more housing units
- Parking lots 5,000 square feet or more or with 25 or more parking spaces and potentially exposed to storm water runoff

1. Conflicts With Local Practices
   Where provisions of the Design Standards conflict with established local codes or other regulatory mechanism, (e.g., specific language of signage used on storm drain stenciling), the Permittee may continue the local practice and modify the Design Standards to be consistent with the code or other regulatory mechanism, except that to the extent that the standards in the Design Standards are more stringent than those under local codes or other regulatory mechanism, such more stringent standards shall apply.

2. Design Standards Applicable to All Categories

   a. Peak Storm Water Runoff Discharge Rates
      Post-development peak storm water runoff discharge rates shall not exceed the estimated pre-development rate for developments where the increased peak storm water discharge rate will result in increased potential for downstream erosion.

   b. Conserve Natural Areas
      If applicable, the following items are required and must be implemented in the site layout during the subdivision design and approval process, consistent with applicable General Plan and Local Area Plan policies:

      1) Concentrate or cluster Development on portions of a site while leaving the remaining land in a natural undisturbed condition.
      2) Limit clearing and grading of native vegetation at a site to the minimum amount needed to build lots, allow access, and provide fire protection.
      3) Maximize trees and other vegetation at each site by planting additional vegetation, clustering tree areas, and promoting the use of native and/or drought tolerant plants.

4) Promote natural vegetation by using parking lot islands and other landscaped areas.
5) Preserve riparian areas and wetlands.

c. Minimize Storm Water Pollutants of Concern
Storm water runoff from a site has the potential to contribute oil and grease, suspended solids, metals, gasoline, pesticides, and pathogens to the storm water conveyance system. The development must be designed so as to minimize, to the maximum extent practicable, the introduction of pollutants of concern that may result in significant impacts, generated from site runoff of directly connected impervious areas (DCIA), to the storm water conveyance system as approved by the building official. Pollutants of concern consist of any pollutants that exhibit one or more of the following characteristics: current loadings or historic deposits of the pollutant are impacting the beneficial uses of a receiving water, elevated levels of the pollutant are found in sediments of a receiving water and/or have the potential to bioaccumulate in organisms therein, or the detectable inputs of the pollutant are at concentrations or loads considered potentially toxic to humans and/or flora and fauna.

In meeting this specific requirement, "minimization of the pollutants of concern" will require the incorporation of a BMP or combination of BMPs best suited to maximize the reduction of pollutant loadings in that runoff to the Maximum Extent Practicable. Those BMPs best suited for that purpose are those listed in the *California Storm Water Best Management Practices Handbook*s; *Caltrans Storm Water Quality Handbook: Planning and Design Staff Guid*e; *Manual for Storm Water Management in Washington Stat*e; *The Maryland Stormwater Design Manua*l; *Florida Development Manual: A Guide to Sound Land and Water Managemen*t; Denver *Urban Storm Drainage Criteria Manual, Volume 3 – Best Management Practices* and *Guidance Specifying Management Measures for Sources of Nonpoint Pollution in Coastal Waters* , USEPA Report No. EPA-840-B-92-002, as "likely to have significant impact" beneficial to water quality for targeted pollutants that are of concern at the site in question. However, it is possible that a combination of BMPs not so designated, may in a particular circumstance, be better suited to maximize the reduction of the pollutants.

d. Protect Slopes and Channels
Project plans must include BMPs consistent with local codes, ordinances, or other regulatory mechanism and the Design Standards to decrease the potential of slopes and/or channels from eroding and impacting storm water runoff:

1) Convey runoff safely from the tops of slopes and stabilize disturbed slopes.
2) Utilize natural drainage systems to the maximum extent practicable.
3) Stabilize permanent channel crossings.
4) Vegetate slopes with native or drought tolerant vegetation, as appropriate.
5) Install energy dissipaters, such as riprap, at the outlets of new storm drains, culverts, conduits, or channels that enter unlined channels in accordance with applicable specifications to minimize erosion, with the approval of all agencies

with jurisdiction, e.g., the U.S. Army Corps of Engineers and the California Department of Fish and Game.

e. Provide Storm Drain System Stenciling and Signage
Storm drain stencils are highly visible source controls that are typically placed directly adjacent to storm drain inlets. The stencil contains a brief statement that prohibits the dumping of improper materials into the storm water conveyance system. Graphical icons, either illustrating anti-dumping symbols or images of receiving water fauna, are effective supplements to the anti-dumping message. All storm drain inlets and catch basins within the project area must be stenciled with prohibitive language (such as: "NO DUMPING – DRAINS TO OCEAN") and/or graphical icons to discourage illegal dumping.· Signs and prohibitive language and/or graphical icons, which prohibit illegal dumping, must be posted at public access points along channels and creeks within the project area.· Legibility of stencils and signs must be maintained.

f. Properly Design Outdoor Material Storage Areas
Outdoor material storage areas refer to storage areas or storage facilities solely for the storage of materials. Improper storage of materials outdoors may provide an opportunity for toxic compounds, oil and grease, heavy metals, nutrients, suspended solids, and other pollutants to enter the storm water conveyance system. Where proposed project plans include outdoor areas for storage of materials that may contribute pollutants to the storm water conveyance system, the following Structural or Treatment BMPs are required:

1) Materials with the potential to contaminate storm water must be: (1) placed in an enclosure such as, but not limited to, a cabinet, shed, or similar structure that prevents contact with runoff or spillage to the storm water conveyance system; or (2) protected by secondary containment structures such as berms, dikes, or curbs.
2) The storage area must be paved and sufficiently impervious to contain leaks and spills.
3) The storage area must have a roof or awning to minimize collection of storm water within the secondary containment area.

g. Properly Design Trash Storage Areas
A trash storage area refers to an area where a trash receptacle or receptacles (dumpsters) are located for use as a repository for solid wastes. Loose trash and debris can be easily transported by the forces of water or wind into nearby storm drain inlets, channels, and/or creeks. All trash container areas must meet the following Structural or Treatment Control BMP requirements (individual single family residences are exempt from these requirements):

1) Trash container areas must have drainage from adjoining roofs and pavement diverted around the area(s).
2) Trash container areas must be screened or walled to prevent off-site transport of trash.

h. Provide Proof of Ongoing BMP Maintenance

Improper maintenance is one of the most common reasons why water quality controls will not function as designed or which may cause the system to fail entirely. It is important to consider who will be responsible for maintenance of a permanent BMP, and what equipment is required to perform the maintenance properly. As part of project review, if a project applicant has included or is required to include, Structural or Treatment Control BMPs in project plans, the Permittee shall require that the applicant provide verification of maintenance provisions through such means as may be appropriate, including, but not limited to legal agreements, covenants, CEQA mitigation requirements and/or Conditional Use Permits.

For all properties, the verification will include the developer's signed statement, as part of the project application, accepting responsibility for all structural and treatment control BMP maintenance until the time the property is transferred and, where applicable, a signed agreement from the public entity assuming responsibility for Structural or Treatment Control BMP maintenance. The transfer of property to a private or public owner must have conditions requiring the recipient to assume responsibility for maintenance of any Structural or Treatment Control BMP to be included in the sales or lease agreement for that property, and will be the owner's responsibility. The condition of transfer shall include a provision that the property owners conduct maintenance inspection of all Structural or Treatment Control BMPs at least once a year and retain proof of inspection. For residential properties where the Structural or Treatment Control BMPs are located within a common area which will be maintained by a homeowner's association, language regarding the responsibility for maintenance must be included in the project's conditions, covenants and restrictions (CC&Rs). Printed educational materials will be required to accompany the first deed transfer to highlight the existence of the requirement and to provide information on what storm water management facilities are present, signs that maintenance is needed, how the necessary maintenance can be performed, and assistance that the Permittee can provide. The transfer of this information shall also be required with any subsequent sale of the property.

If Structural or Treatment Control BMPs are located within a public area proposed for transfer, they will be the responsibility of the developer until they are accepted for transfer by the County or other appropriate public agency. Structural or Treatment Control BMPs proposed for transfer must meet design standards adopted by the public entity for the BMP installed and should be approved by the County or other appropriate public agency prior to its installation.

i. Design Standards for Structural or Treatment Control BMPs
The Permittees shall require that post-construction treatment control BMPs incorporate, at a minimum, either a volumetric or flow based treatment control design standard, or both, as identified below to mitigate (infiltrate, filter or treat) storm water runoff:

1) Volumetric Treatment Control BMP

a) The 85th percentile 24-hour runoff event determined as the maximized capture storm water volume for the area, from the formula recommended in Urban Runoff Quality Management, WEF Manual of Practice No. 23/ ASCE Manual of Practice No. 87, (1998); or
b) The volume of annual runoff based on unit basin storage water quality volume, to achieve 80 percent or more volume treatment by the method recommended in California Stormwater Best Management Practices Handbook – Industrial/ Commercial, (2003); or
c) The volume of runoff produced from a historical-record based reference 24-hour rainfall criterion for "treatment" that achieves approximately the same reduction in pollutant loads achieved by the 85th percentile 24-hour runoff event.

2) Flow Based Treatment Control BMP
   a) The flow of runoff produced from a rain event equal to at least two times the 85th percentile hourly rainfall intensity for the area; or
   b) The flow of runoff produced from a rain event that will result in treatment of the same portion of runoff as treated using volumetric standards above.

Limited Exclusion
Restaurants and Retail Gasoline Outlets, where the land area for development or redevelopment is less than 5,000 square feet, are excluded from the numerical Structural or Treatment Control BMP design standard requirement only.

3. Provisions Applicable to Individual Priority Project Categories

   a. 100,000 Square Foot Commercial Developments

      1) Properly Design Loading/Unloading Dock Areas
      Loading/unloading dock areas have the potential for material spills to be quickly transported to the storm water conveyance system. To minimize this potential, the following design criteria are required:

         a) Cover loading dock areas or design drainage to minimize run-on and runoff of storm water.
         b) Direct connections to storm drains from depressed loading docks (truck wells) are prohibited.

      2) Properly Design Repair/Maintenance Bays
      Oil and grease, solvents, car battery acid, coolant and gasoline from the repair/maintenance bays can negatively impact storm water if allowed to come into contact with storm water runoff. Therefore, design plans for repair bays must include the following:

a) Repair/maintenance bays must be indoors or designed in such a way that doesn't allow storm water runon or contact with storm water runoff.
b) Design a repair/maintenance bay drainage system to capture all washwater, leaks and spills. Connect drains to a sump for collection and disposal. Direct connection of the repair/maintenance bays to the storm drain system is prohibited. If required by local jurisdiction, obtain an Industrial Waste Discharge Permit.

3) Properly Design Vehicle/Equipment Wash Areas
The activity of vehicle/equipment washing/steam cleaning has the potential to contribute metals, oil and grease, solvents, phosphates, and suspended solids to the storm water conveyance system. Include in the project plans an area for washing/steam cleaning of vehicles and equipment. The area in the site design must be:

a) Self-contained and/ or covered, equipped with a clarifier, or other pretreatment facility, and
b) Properly connected to a sanitary sewer or other appropriately permitted disposal facility.

b. Restaurants

1) Properly Design Equipment/Accessory Wash Areas
The activity of outdoor equipment/accessory washing/steam cleaning has the potential to contribute metals, oil and grease, solvents, phosphates, and suspended solids to the storm water conveyance system. Include in the project plans an area for the washing/steam cleaning of equipment and accessories. This area must be:

a) Self-contained, equipped with a grease trap, and properly connected to a sanitary sewer.
b) If the wash area is to be located outdoors, it must be covered, paved, have secondary containment, and be connected to the sanitary sewer or other appropriately permitted disposal facility.

c. Retail Gasoline Outlets

1) Properly Design Fueling Area
Fueling areas have the potential to contribute oil and grease, solvents, car battery acid, coolant and gasoline to the storm water conveyance system. The project plans must include the following BMPs:

a) The fuel dispensing area must be covered with an overhanging roof structure or canopy. The canopy's minimum dimensions must be equal to or greater than the area within the grade break. The canopy must not drain onto the fuel dispensing area, and the canopy downspouts must be routed to prevent drainage across the fueling area.

b) The fuel dispensing area must be paved with Portland cement concrete (or equivalent smooth impervious surface), and the use of asphalt concrete shall be prohibited.
c) The fuel dispensing area must have a 2% to 4% slope to prevent ponding, and must be separated from the rest of the site by a grade break that prevents run-on of storm water to the extent practicable.
d) At a minimum, the concrete fuel dispensing area must extend 6.5 feet (2.0 meters) from the corner of each fuel dispenser, or the length at which the hose and nozzle assembly may be operated plus 1 foot (0.3 meter), whichever is less.

d. Automotive Repair Shops

1) Properly Design Fueling Area
Fueling areas have the potential to contribute oil and grease, solvents, car battery acid, coolant and gasoline to the storm water conveyance system. Therefore, design plans, which include fueling areas, must contain the following BMPs:

a. The fuel dispensing area must be covered with an overhanging roof structure or canopy. The canopy's minimum dimensions must be equal to or greater than the area within the grade break. The canopy must not drain onto the fuel dispensing area, and the canopy downspouts must be routed to prevent drainage across the fueling area.
b. The fuel dispensing area must be paved with Portland cement concrete (or equivalent smooth impervious surface), and the use of asphalt concrete shall be prohibited.
c. The fuel dispensing area must have a 2% to 4% slope to prevent ponding, and must be separated from the rest of the site by a grade break that prevents run-on of storm water to the extent practicable.
d. At a minimum, the concrete fuel dispensing area must extend 6.5 feet (2.0 meters) from the corner of each fuel dispenser, or the length at which the hose and nozzle assembly may be operated plus 1 foot (0.3 meter), whichever is less.

2) Properly Design Repair/Maintenance Bays
Oil and grease, solvents, car battery acid, coolant and gasoline from the repair/maintenance bays can negatively impact storm water if allowed to come into contact with storm water runoff. Therefore, design plans for repair bays must include the following:

a) Repair/maintenance bays must be indoors or designed in such a way that doesn't allow storm water run-on or contact with storm water runoff.
b) Design a repair/maintenance bay drainage system to capture all wash-water, leaks and spills. Connect drains to a sump for collection and disposal. Direct connection of the repair/maintenance bays to the storm drain system is

prohibited. If required by local jurisdiction, obtain an Industrial Waste Discharge Permit.

3) Properly Design Vehicle/Equipment Wash Areas
The activity of vehicle/equipment washing/steam cleaning has the potential to contribute metals, oil and grease, solvents, phosphates, and suspended solids to the storm water conveyance system. Include in the project plans an area for washing/steam cleaning of vehicles and equipment. This area must be:

   a) Self-contained and/or covered, equipped with a clarifier, or other pretreatment facility, and properly connected to a sanitary sewer or other appropriately permitted disposal facility.

4) Properly Design Loading/Unloading Dock Areas
Loading/unloading dock areas have the potential for material spills to be quickly transported to the storm water conveyance system. To minimize this potential, the following design criteria are required:

   a) Cover loading dock areas or design drainage to minimize run-on and runoff of storm water.
   b) Direct connections to storm drains from depressed loading docks (truck wells) are prohibited.

e. Parking Lots

1) Properly Design Parking Area
Parking lots contain pollutants such as heavy metals, oil and grease, and polycyclic aromatic hydrocarbons that are deposited on parking lot surfaces by motor-vehicles. These pollutants are directly transported to surface waters. To minimize the offsite transport of pollutants, the following design criteria are required:

   a) Reduce impervious land coverage of parking areas.
   b) Infiltrate or treat runoff.

2) Properly Design To Limit Oil Contamination and Perform Maintenance
Parking lots may accumulate oil, grease, and water insoluble hydrocarbons from vehicle drippings and engine system leaks:

   a) Treat to remove oil and petroleum hydrocarbons at parking lots that are heavily used (e.g. fast food outlets, lots with 25 or more parking spaces , sports event parking lots, shopping malls, grocery stores, discount warehouse stores).
   b) Ensure adequate operation and maintenance of treatment systems particularly sludge and oil removal, and system fouling and plugging prevention control.

4. Waiver

A Permittee may, through adoption of an ordinance, code, or other regulatory mechanism incorporating the treatment requirements of the Design Standards, provide for a waiver from the requirement if impracticability for a specific property can be established. A waiver of impracticability shall be granted only when all other Structural or Treatment Control BMPs have been considered and rejected as infeasible. Recognized situations of impracticability include, (i) extreme limitations of space for treatment on a redevelopment project, (ii) unfavorable or unstable soil conditions at a site to attempt infiltration, and (iii) risk of ground water contamination because a known unconfined aquifer lies beneath the land surface or an existing or potential underground source of drinking water is less than 10 feet from the soil surface. Any other justification for impracticability must be separately petitioned by the Permittee and submitted to the appropriate RWQCB for consideration. The RWQCB may consider approval of the waiver justification or may delegate the authority to approve a class of waiver justifications to the RWQCB EO. The supplementary waiver justification becomes recognized and effective only after approval by the RWQCB or the RWQCB EO. A waiver granted by a Permittee to any development or redevelopment project may be revoked by the RWQCB EO for cause and with proper notice upon petition.

5. Limitation on Use of Infiltration BMPs

Three factors significantly influence the potential for storm water to contaminate ground water. They are (i) pollutant mobility, (ii) pollutant abundance in storm water, (iii) and soluble fraction of pollutant. The risk of contamination of groundwater may be reduced by pretreatment of storm water. A discussion of limitations and guidance for infiltration practices is contained in, *Potential Groundwater Contamination from Intentional and Non-Intentional Stormwater Infiltration, Report No. EPA/600/R-94/051, USEPA (1994).*

In addition, the distance of the groundwater table from the infiltration BMP may also be a factor determining the risk of contamination. A water table distance separation of ten feet depth in California presumptively poses negligible risk for storm water not associated with industrial activity or high vehicular traffic.

Site specific conditions must be evaluated when determining the most appropriate BMP. Additionally, monitoring and maintenance must be provided to ensure groundwater is protected and the infiltration BMP is not rendered ineffective by overload. This is especially important for infiltration BMPs for areas of industrial activity or areas subject to high vehicular traffic [25,000 or greater average daily traffic (ADT) on main roadway or 15,000 or more ADT on any intersecting roadway]. In some cases pretreatment may be necessary.

6. Alternative Certification for Storm Water Treatment Mitigation

In lieu of conducting detailed BMP review to verify Structural or Treatment Control BMP adequacy, a Permittee may elect to accept a signed certification from a Civil Engineer or a Licensed Architect registered in the State of California, that the plan meets

the criteria established herein. The Permittee is encouraged to verify that certifying person(s) have been trained on BMP design for water quality, not more than two years prior to the signature date. Training conducted by an organization with storm water BMP design expertise (e.g., a University, American Society of Civil Engineers, American Society of Landscape Architects, American Public Works Association, or the California Water Environment Association) may be considered qualifying.

Attachment 5
WQO# 2003 – 0005 – DWQ

Communities Anticipated to be Subject to Supplemental Provisions

RWQCB	Area	Reason/Population
1	Windsor	High Growth
2	Clayton	High Growth
2	Marin County	58563
2	Napa	72585
2	Petaluma	54548
2	San Francisco	776733
2	San Rafael	56063
3	Greenfield	High Growth
3	Hollister	High Growth
3	King City	High Growth
3	Morgan Hill	High Growth
3	Nipomo	High Growth
3	Prunedale	High Growth
3	Santa Barbara	92325
3	Santa Barbara County	140453
3	Santa Cruz	54593
3	Santa Cruz County	116783
3	Santa Maria	77423
3	Soledad	High Growth
3	Watsonville	High Growth
5F	Hanford	High Growth
5F	Lemoore	High Growth
5F	Los Banos	High Growth
5F	Madera	High Growth
5F	Merced	63893
5F	Visalia	91565
5R	Chico	59954
5R	Chico	High Growth
5R	Redding	80865
5S	Davis	60308
5S	Dixon	High Growth
5S	El Dorado Hills	High Growth
5S	Lathrop	High Growth
5S	Lincoln	High Growth
5S	Oakley	High Growth
5S	Placer County	75262
5S	Ripon	High Growth
5S	Riverbank	High Growth
5S	Rocklin	High Growth

RWQCB	Area	Reason/Population
5S	Roseville	79921
5S	Roseville	High Growth
5S	Salida	High Growth
5S	South Yuba City	High Growth
5S	Stanislaus County	67145
5S	Tracy	56929
5S	Tracy	High Growth
5S	Turlock	55810
5S	Vacaville	88625
6	Apple Valley	54239
6	Hesperia	62582
6	Lancaster	118718
6	Palmdale	116670
6	Victorville	64029
6B	Lake Los Angeles	High Growth
6B	Palmdale	High Growth
6B	Rosamond	High Growth
6B	Victorville	High Growth
7	Calexico	High Growth
7	Rancho Mirage	High Growth
5S	Lodi	56999

INSTRUCTIONS FOR COMPLETING THE NOTICE OF INTENT TO COMPLY WITH THE TERMS OF THE GENERAL PERMIT FOR STORM WATER DISCHARGES FROM SMALL MS4s (WATER QUALITY ORDER NO. 2003 – 0005 - DWQ)

I. NOI STATUS

Check box "1" if this is a new NOI submittal. Check box "2" if you are reporting changes to the NOI (e.g., new contact person, phone number, mailing address). Include the facility WDID number and highlight all the information that has been changed. The appropriate official must sign the form, certifying the changes.

II. AGENCY INFORMATION

A. Enter the name of the agency applying for coverage.
B. Enter the first and last name of the person familiar with the permit and responsible for permit compliance.
C. Enter the Title of the person listed in "B".
D. Enter the agency's mailing address.
E. Enter if necessary the 2nd address line.
F. Enter the agency's mailing address city.
G. Enter the agency's mailing address zip code.
H. Enter the county in which the agency is located. If the agency is located in more than one county, list all applicable counties. Attach additional sheets if necessary.
I. Enter the phone number where the contact person can be reached.
J. Enter the FAX number where the contact person can be reached.
K. Enter the email address where the contact person can be reached.
L. Check the box that corresponds to the agency owner.

III. Permit Area

General name of the permit area, such as the Sacramento Metropolitan Area

IV. Boundaries of Coverage

Describe the boundaries of the area to be permitted and include a site map. For a city, this would be the established city boundaries. For a county, unless the entire county is designated, the permitted area should be inclusive of the area of concern and rely on simplified boundaries for each general direction, such as rivers, major roads or highways, or an adjoining city's boundary. For non-traditional Small MS4s, in general, the property line shall serve as the permit boundary.

V. Billing Information

A. Enter the name of the agency applying for coverage.
B. Enter the first and last name of the person familiar with the permit and responsible for permit compliance.
C. Enter the Title of the person listed in "B".
D. Enter the agency's mailing address.
E. Enter if necessary the 2nd address line.
F. Enter the agency's mailing address city.

G. Enter the agency's mailing address zip code.
H. Enter the county in which the agency is located.
I. Enter the phone number where the contact person can be reached.
J. Enter the FAX number where the contact person can be reached.
K. Enter the email address where the contact person can be reached.
L. Enter the average daily-user population of the applicant's permitted area. This is not the combined permit area of co-permittees. Submit the amount indicated by the current fee schedule (California Code of Regulations, Title 23, Division 3, Chapter 9, Article 1.) with the NOI package to the Regional Board. The fee schedule may be found at www.swrcb.ca.gov/stormwtr/municipal.html. School districts are exempt from MS4 permit fees.

VI. Permit Type

Check the box that corresponds to the permitting option you wish to apply for:

Check box 1 if applying for individual general permit coverage.

Check box 2 if applying for a permit with one or more co-permittees. If you are applying to be a co-permittee, an appropriate official representing each agency who will participate in the area-wide permit must sign on the lines provided certifying the agency will be a co-permittee with the other agencies listed to implement a storm water program in the combined designated areas of each of the agency's jurisdiction. The agency to act as the Lead Agency (the entity responsible for being the main contact with the RWQCB for permit administration) shall start the list. If more than four agencies will act as co-permittees, continue the list on a separate page. The NOI must have original signatures.

Check box 3 if designating a Separate Implementing Entity and enter agency information.

A. Enter the name of the agency applying for coverage.
B. Enter the first and last name of the person familiar with the permit and responsible for permit compliance.
C. Enter the title of person in "B".
D. Enter the agency's mailing address phone number where the contact person can be reached.
E. Enter if necessary the 2nd address line.
F. Enter the agency's mailing address city.
G. Enter the agency's mailing address zip code.
H. Enter the county in which the agency is located. If the agency is located in more than one county, list all applicable counties. Attach additional sheets if necessary.
I. Enter the phone number where the contact person can be reached.
J. Enter the FAX number where the contact person can be reached.
K. Enter the email address where the contact person can be reached.
L. Check the box that corresponds to the agency owner.
M. List all of the Minimum Control Measure(s) that will be implemented by the SIE.
N. Certification by an appropriate SIE official that the SIE agrees to include the agency in implementing the SWMP. For a municipality, State, Federal, or other public agency the appropriate official would be a principal executive officer, ranking elected official or duly authorized representative. The principal executive officer of

a Federal agency includes the chief executive officer of the agency or the senior executive officer having responsibility for the overall operations of a principal geographic unit of the agency (e.g., Regional Administrator of USEPA).

For multiple agencies implementing different Minimum Control Measures please use a separate form for each Minimum Control Measures. A photocopy of the 2nd page of the NOI is adequate, but must have original signatures.

VII. STORM WATER MANAGEMENT PROGRAM

The SWMP must be submitted with the NOI. Check the box if the SWMP is completed and attached to the NOI. If a SIE is implementing all of the Minimum Control Measures it is not necessary to submit a SWMP.

VIII. CERTIFICATION

A. Print the name of the appropriate official. For a municipality, State, Federal, or other public agency this would be a principal executive officer, ranking elected official, or duly authorized representative. The principal executive officer of a Federal agency includes the chief executive officer of the agency or the senior executive officer having responsibility for the overall operations of a principal geographic unit of the agency (e.g., Regional Administrator of USEPA).
B. Enter the professional title of the person signing the NOI.
C. The person whose name is printed in box IV.A must sign the NOI.
D. Provide the date on which the Information Sheet was signed.

State Water Resources Control Board
NOTICE OF INTENT
TO COMPLY WITH THE TERMS OF THE GENERAL PERMIT FOR
STORM WATER DISCHARGES FROM
SMALL MUNICIPAL SEPARATE STORM SEWER SYSTEMS
(WATER QUALITY ORDER NO. 2003 – 0005 - DWQ)

I. NOI Status

Mark Only One Item 1. [ ]New Permittee 2. [ ]Change of Information WDID #:_____

II. Agency Information

A. Agency			
B. Contact Person		C. Title	
D. Mailing Address		E. Address (Line 2)	
F. City	State **CA**	G. Zip	H. County
I. Phone	J. FAX	K. Email Address	
L. Operator Type (check one) 1. [ ] City 2. [ ] County 3. [ ] State 4. [ ] Federal 5. [ ] Special District 6. [ ] Government Combination			

III. Permit Area

_____

IV. Boundaries of Coverage (include a site map with the submittal)

_____

_____

_____

_____

V. Billing Information

A. Agency			
B. Contact Person		C. Title	
D. Mailing Address		E. Address (Line 2)	
F. City	State **CA**	G. Zip	H. County
I. Phone	J. FAX	K. Email Address	

Fees are based on the daily population served by the Small MS4. To determine your fee, consult the current fee schedule (California Code of Regulations, Title 23, Division 3, Chapter 9 Article 1), which can be viewed at www.swrcb.ca.gov/stormwtr/municipal.html.

L. Population_____

Fee _____

Check(s) should be made payable to the SWRCB and submitted to the appropriate RWQCB.

SWRCB Tax ID is: 68-0281986

VI. Discharger Information (check applicable box(es) and complete corresponding information)

1. [ ] Applying for Individual General Permit Coverage

2. [ ] Applying for a permit with one or more co-permittees

The undersigned agree to work as co-permittees in implementing a complete small MS4 storm water program. The program must comply with the requirements found in Title 40 of the Code of Federal Regulations, parts 122.32. Attach additional sheets if necessary. Each co-permittee must complete an NOI.	
Lead Agency	Signature
Agency	Signature
Agency	Signature
Agency	Signature

3. [ ] Separate Implementing Entity (SIE)

A. Agency			
B. Contact Person	C. Title		
D. Mailing Address	E. Address (Line 2)		
F. City	State **CA**	G. Zip	H. County
I. Phone	J. FAX	K. Email Address	

H. Operator Type (check one)

1. [ ] City 2. [ ] County 3. [ ] State 4. [ ] Federal 5. [ ] Special District 6. [ ] Government Combination

Minimum Control Measures being implemented by the SIE (check all that apply)

[ ] Public Education [ ] Public Involvement [ ] Illicit Discharge/Elimination
[ ] Construction [ ] Post Construction [ ] Good Housekeeping

"I agree to coordinate with the agency identified in Section III of this form and comply with its qualifying storm water program. I certify under penalty of law that this document and all attachments were prepared under my direction and supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, to the best of my knowledge and belief, the information submitted is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment. Additionally, I certify that the provisions of the permit, including the development and implementation of a Storm Water Management Program, will be complied with."

_____ _____

N. Signature of Official Date

VII. Storm Water Management Plan (check box)

[ ] As per section A.2. of this General Permit, the SWMP is attached.

VIII. Certification

"I certify under penalty of law that this document and all attachments were prepared under my direction and supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, to the best of my knowledge and belief, the information submitted is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment. Additionally, I certify that the provisions of the permit, including the development and implementation of a Storm Water Management Program, will be complied with."

A. Printed Name:_____

B. Title:_____

C. Signature:_____ D. Date: _____

STATE WATER RESOURCES CONTROL BOARD

Division of Water Quality
Attention: Storm Water Section
P.O. Box 1977
Sacramento, CA 95812-1977
(916) 341-5539 FAX: (916) 341-5543
Web Page: http://www.swrcb.ca.gov/stormwtr/index.html
Email: stormwater@dwq.swrcb.ca.gov

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARDS

NORTH COAST REGION (1)
5550 Skylane Blvd., Ste. A
Santa Rosa, CA 95403
(707) 576-2220 FAX: (707) 523-0135
Web Page: http://www.swrcb.ca.gov/rwqcb1

SAN FRANCISCO BAY REGION (2)
1515 Clay Street, Ste. 1400
Oakland, CA 94612
(510) 622-2300 FAX: (510) 622-2460
Web Page: http://www.swrcb.ca.gov/rwqcb2

CENTRAL COAST REGION (3)
895 Aerovista Place, Suite 101
San Luis Obispo, CA 93401
(805) 549-3147 FAX: (805) 543-0397
Web Page: http://www.swrcb.ca.gov/rwqcb3

LOS ANGELES REGION (4)
320 W. 4th Street, Ste. 200
Los Angeles, CA 90013
(213) 576-6600 FAX: (213) 576-6640
Web Page: http://www.swrcb.ca.gov/rwqcb4

CENTRAL VALLEY REGION (5S)
3443 Routier Road, Ste. A
Sacramento, CA 95827-3098
(916) 255-3000 FAX: (916) 255-3015
Web Page: http:// www.swrcb.ca.gov/rwqcb5

FRESNO BRANCH OFFICE (5F)
1685 "E" Street
Fresno, CA 93706-2020
(559) 445-5116 FAX: (559) 445-5910
Web Page: http:// www.swrcb.ca.gov/rwqcb5

REDDING BRANCH OFFICE (5R)
415 Knollcrest Drive, Ste. 100
Redding, CA 96002
(530) 224-4845 FAX: (530) 224-4857
Web Page: http:// www.swrcb.ca.gov/rwqcb5

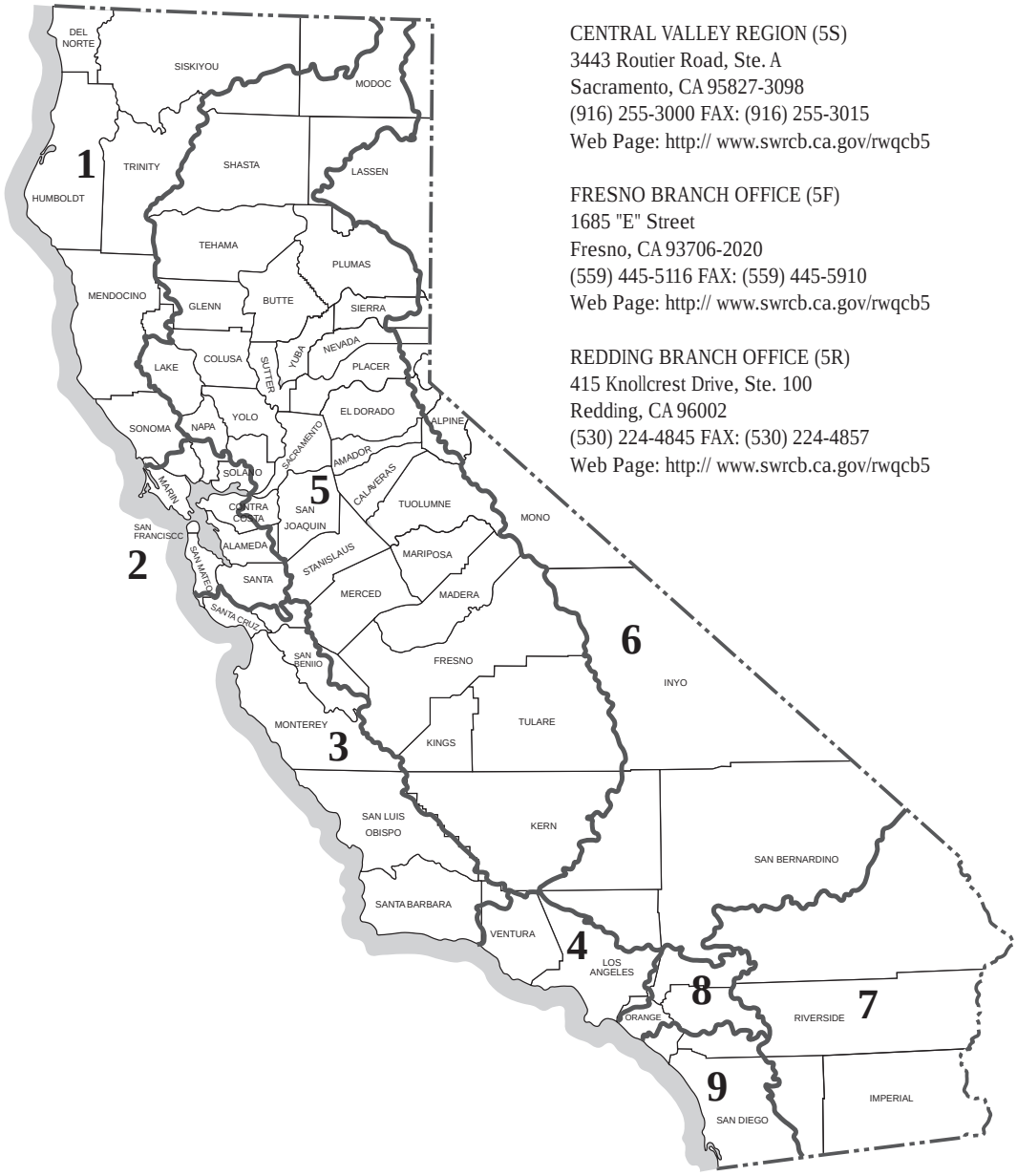
LAHONTAN REGION (6 SLT)
2501 Lake Tahoe Blvd.
South Lake Tahoe, CA 96150
(530) 542-5400 FAX: (530) 544-2271
Web Page: http:// www.swrcb.ca.gov/rwqcb6

VICTORVILLE BRANCH OFFICE (6V)
15428 Civic Drive, Ste. 100
Victorville, CA 92392-2383
(760) 241-6583 FAX: (760) 241-7308
Web Page: http:// www.swrcb.ca.gov/rwqcb6

COLORADO RIVER BASIN REGION (7)
73-720 Fred Waring Dr., Ste. 100
Palm Desert, CA 92260
(760) 346-7491 FAX: (760) 341-6820
Web Page: http:// www.swrcb.ca.gov/rwqcb7

SANTA ANA REGION (8)
California Tower
3737 Main Street, Ste. 500
Riverside, CA 92501-3339
(909) 782-4130 FAX: (909) 781-6288
Web Page: http://www.swrcb.ca.gov/rwqcb8

SAN DIEGO REGION (9)
9174 Sky Park Court, Suite 100
San Diego, CA 92123
(858) 467-2952 FAX: (858) 571-6972
Web Page: http://www.swrcb.ca.gov/rwqcb9



STATE OF CALIFORNIA
Gray Davis, Governor

CALIFORNIA ENVIRONMENTAL PROTECTION AGENCY
Winston H. Hickox, Secretary

STATE WATER RESOURCES CONTROL BOARD
Arthur Baggett Jr., Chair

Definition of Terms

1. **100,000 Square Foot Commercial Development** - 100,000 Square Foot Commercial Development means any commercial development that creates at least 100,000 square feet of impermeable area, including parking areas.

2. **Automotive Repair Shop** - Automotive Repair Shop means a facility that is categorized in any one of the following Standard Industrial Classification (SIC) codes: 5013, 5014, 5541, 7532-7534, or 7536-7539.

3. **Authorized Non-Storm Water Discharges** – Authorized non-storm water discharges are certain categories of discharges that are not composed entirely of storm water but are not found to pose a threat to water quality. They include: water line flushing; landscape irrigation; diverted stream flows; rising ground waters; uncontaminated ground water infiltration (as defined at 40 CFR §35.2005(20)) to separate storm sewers; uncontaminated pumped ground water; discharges from potable water sources; foundation drains; air conditioning condensate; irrigation water; springs; water from crawl space pumps; footing drains; lawn watering; individual residential car washing; flows from riparian habitats and wetlands; dechlorinated swimming pool discharges; and discharges or flows from emergency fire fighting activities. If any of the above authorized non-storm water discharges (except flows from fire fighting activities) are found to cause or contribute to an exceedance of water quality standards or cause or threaten to cause a condition of nuisance or pollution, the category of discharge must be prohibited.

4. **Best Management Practices (BMPs)** – Best management practices means schedules of activities, prohibitions of practices, maintenance procedures, and other management practices to prevent or reduce the pollution of 'waters of the United States." BMPs also include treatment requirements, operating procedures, and practices to control plant site runoff, spillage or leaks, sludge or waste disposal, or drainage from raw material storage. (40 CFR §122.2)

5. **Commercial Development** - Commercial Development means any development on private land that is not heavy industrial or residential. The category includes, but is not limited to: hospitals, laboratories and other medical facilities, educational institutions, recreational facilities, plant nurseries, multi-apartment buildings, car wash facilities, mini-malls and other business complexes, shopping malls, hotels, office buildings, public warehouses and other light industrial complexes.

6. **Directly Connected Impervious Area (DCIA)** - DCIA is the acronym for directly connected impervious areas and means the area covered by a building, impermeable pavement, and/ or other impervious surfaces, which drains directly into the storm drain without first flowing across permeable land area (e.g. lawns).

7. **Discretionary Project** - Discretionary Project means a project which requires the exercise of judgement or deliberation when the public agency or public body decides to approve or disapprove a particular activity, as distinguished from situations where the public agency or body merely has to determine whether there has been conformity with applicable statutes, ordinances, or regulations.

8. **Greater than (>) 9 unit home subdivision** - Greater than 9 unit home subdivision means any subdivision being developed for 10 or more single-family or multi-family dwelling units.

9. **Hillside** - Hillside means property located in an area with known erosive soil conditions, where the development contemplates grading on any natural slope that is twenty-five percent or greater.

10. **Infiltration** - Infiltration means the downward entry of water into the surface of the soil.

11. **Measurable Goal** – Measurable goals are definable tasks or accomplishments that are associated with implementing best management practices.

12. **Minimum Control Measure** – A minimum control measure is a storm water program area that must be addressed (best management practices implemented to accomplish the program goal) by all regulated Small MS4s. The following six minimum control measures are required to be addressed by the regulated Small MS4s: Public Education and Outreach on storm Water Impacts, Public Involvement/Participation, Illicit Discharge Detection and Elimination, construction Site Storm Water Runoff Control, Post-Construction Storm Water Management in New Development and Redevelopment, and Pollution Prevention/Good Housekeeping for Municipal Operations.

13. **New Development** - New Development means land disturbing activities; structural development, including construction or installation of a building or structure, creation of impervious surfaces; and land subdivision.

14. **Offsite Facility** - An offsite facility is a geographically non-adjacent or discontinuous site that serves, or is secondary to, the primary facility and has the same owner as the primary facility. Storm water discharges from an offsite facility must be permitted if it meets the definition of a regulated Small MS4 itself. The offsite facility may satisfy this permitting requirement if the SWMP of the primary facility addresses the offsite facility, such that the permitted area of the primary facility includes the offsite area.

15. **Outfall** – A point source at the point where a municipal separate storm sewer discharges to waters of the United States and does not include open conveyances connecting two municipal separate storm sewers, or pipes, tunnels or other conveyances which connect segments of the same stream or other waters of the United States and are used to convey waters of the United States. (40 CFR §122.26(b)(9))

16. **Parking Lot** - Parking Lot means land area or facility for the temporary parking or storage of motor vehicles used personally, for business or for commerce with a lot size of 5,000 square feet or more, or with 25 or more parking spaces.

17. **Point Source** – Any discernible, confined, and discrete conveyance, including but not limited to, any pipe, ditch, channel, tunnel, conduit, well, discrete fissure, container, rolling stock, concentrated animal feeding operation, landfill leachate collection system, vessel or other floating craft from which pollutants are or may be discharged. This term does not include return flows from irrigated agriculture or agricultural storm water runoff. (40 CFR §122.2)

18. **Regulated Small MS4** – A regulated Small MS4 is a Small MS4 that is required to be permitted for discharging storm water through its MS4 to waters of the U.S. and is designated either automatically by the U.S. EPA because it is located within an urbanized area, or designated by the SWRCB or RWQCB in accordance with the designation criteria listed at Finding 11 of the General Permit.

19. **Redevelopment** - Redevelopment means, on an already developed site, the creation or addition of at least 5,000 square feet of impervious area. Redevelopment includes, but is not limited to: the expansion of a building footprint or addition of a structure; structural development including an increase in gross floor area and/ or exterior construction or remodeling; and land disturbing activities related with structural or impervious surfaces. Where redevelopment results in an increase of less than fifty percent of the impervious surfaces of a previously existing development, and the existing development was not subject to these Design Standards, the Design Standards apply only to the addition, and not to the entire development.

20. **Restaurant** - Restaurant means a stand-alone facility that sells prepared foods and drinks for consumption, including stationary lunch counters and refreshment stands selling prepared foods and drinks for immediate consumption. (SIC code 5812).

21. **Retail Gasoline Outlet** - Retail Gasoline Outlet means any facility engaged in selling gasoline and lubricating oils.

22. **Small Municipal Separate Storm Sewer System (Small MS4)** – A conveyance or system of conveyances (including roads with drainage systems, municipal streets, catch basins, curbs, gutters, ditches, man-made channels, or storm drains) that are:
    (i) Owned or operated by the United States, a State, city, town, boroughs, county, parish, district, association, or other public body (created by or pursuant to State law) having jurisdiction over disposal of sewage, industrial wastes, storm water, or other wastes, including special districts under State law such as a sewer district, flood control district or drainage district, or similar entity, or an Indian tribe or an authorized Indian tribal organization, or designated and approved management agency under section 208 of the CWA that discharges to waters of the United States.
    (ii) Not defined as “large” or “medium” municipal separate storm sewer systems
    (iii) This term includes systems similar to separate storm sewer systems in municipalities, such as systems at military bases, large hospital or prison complexes, and highways and other thoroughfares. The term does not include separate storm sewers in very discrete areas, such as individual buildings. (40 CFR §122.26(b)(16))

23. **Separate Implementing Entity (SIE)** – A Separate Implementing Entity is an entity, such as a municipality, agency, or special district, other than the entity in question, that implements parts or all of a storm water program for a Permittee. The SIE may also be permitted under 40 CFR Part 122. Arrangements of one entity implementing a program for another entity is subject to approval by the Regional Water Quality Control Board Executive Officer.

24. **Source Control BMP** - Source Control BMP means any schedules of activities, prohibitions of practices, maintenance procedures, managerial practices or operational practices that aim to prevent storm water pollution by reducing the potential for contamination at the source of pollution.

25. **Storm Event** - Storm Event means a rainfall event that produces more than 0.1 inch of precipitation and that, which is separated from the previous storm event by at least 72 hours of dry weather.

26. **Structural BMP** - Structural BMP means any structural facility designed and constructed to mitigate the adverse impacts of storm water and urban runoff pollution (e.g. canopy, structural enclosure). The category may include both Treatment Control BMPs and Source Control BMPs.

27. **Treatment** - Treatment means the application of engineered systems that use physical, chemical, or biological processes to remove pollutants. Such processes include, but are not limited to, filtration, gravity settling, media adsorption, biodegradation, biological uptake, chemical oxidation and UV radiation.

28. **Treatment Control BMP** - Treatment Control BMP means any engineered system designed to remove pollutants by simple gravity settling of particulate pollutants, filtration, biological uptake, media adsorption or any other physical, biological, or chemical process.

FACILITY DETAILS

Facility Information

Facility Name : Kings County Fire Department
Facility ID : 2116
Street : 7622 Houston Ave
SIC Code : 9224
City : Hanford
Zip : 93230
Phone : (558) 852-2881
County : Kings
Air Basin : San Joaquin Valley
District : San Joaquin Valley Apcd

Facility Prioritization	Inventory Year	Above High Threshold?	District Prioritization Threshold	
			High	Low
Cancer Prioritization			10	1
Chronic Prioritization			10	1
Acute Prioritization			10	1

Prioritization scores determine whether a facility must conduct a risk assessment for the "Hot Spots" program. The scores themselves are not an accurate measurement of facility risk.

Health Risk Assessment	Inventory Year	Value	District Notification Level	District RRAP Level
Cancer Risk			10	100
Chronic Hazard Index			>1	>5
Acute Hazard Index			>1	>5

The facility health risk assessment (HRA) and prioritization score data were collected under the Air Toxic 'Hot Spots' Program. The risk data, submitted to the ARB, may not have been derived from the same toxic emission data that was reported to CEIDARS. Because the facility may have taken action to reduce risks pursuant to the risk assessment, the risk from the facility may have been substantially reduced since the risk assessment was conducted. To determine if more recent data is available, please contact the district.

Program Status :

Emissions Data

	Pollutant	Emissions	Unit
Data from 2015 Download CSV file	TOG	0	Tons/Yr
	ROG	0	Tons/Yr
	CO	0	Tons/Yr
	NOX	0	Tons/Yr
	SOX	0	Tons/Yr
	PM	0	Tons/Yr
	PM10	0	Tons/Yr
	PM2.5	0	Tons/Yr
TOXIC DATA MAY COME FROM VARIOUS YEARS			
Download CSV file	Benzene	0.1	Lbs/Yr
	Toluene	3.1	Lbs/Yr
	Xylenes	0.9	Lbs/Yr

The emission inventory data provided here may have been developed over several years and is the most recent information available at ARB for this inventory year. Many facilities are only required to update their toxic emission data if there has been an increase in emissions. Therefore, the toxic emission data presented here should generally be viewed as maximum emission values which may have decreased since this information was reported. If you have questions regarding data updates, please contact the local air district. Note: If this facility has diesel-fueled internal combustion engines, then a portion of the PM10 shown is considered to be diesel exhaust PM10.

[Start a new search]

ARB Homepage

A department of the California Environmental Protection Agency

Appendix D

County Environmental Health Department

This section is intentionally blank.

Appendix E

EDR Building Permit Report

Kings County Fire Station
7622 HOUSTON AVE
HANFORD, CA 93230

Inquiry Number: 6108676.8
July 01, 2020

EDR Building Permit Report

Target Property and Adjoining Properties

Environmental Data Resources Inc

6 Armstrong Road
Shelton, CT 06484
800.352.0050
www.edrnet.com

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About This Report

Executive Summary

Findings

Glossary

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

Disclaimer - Copyright and Trademark Notice

This Report contains certain information obtained from a variety of public and other sources reasonably available to Environmental Data Resources, Inc. It cannot be concluded from this Report that coverage information for the target and surrounding properties does not exist from other sources. **NO WARRANTY EXPRESSED OR IMPLIED, IS MADE WHATSOEVER IN CONNECTION WITH THIS REPORT. ENVIRONMENTAL DATA RESOURCES, INC. SPECIFICALLY DISCLAIMS THE MAKING OF ANY SUCH WARRANTIES, INCLUDING WITHOUT LIMITATION, MERCHANTABILITY OR FITNESS FOR A PARTICULAR USE OR PURPOSE. ALL RISK IS ASSUMED BY THE USER. IN NO EVENT SHALL ENVIRONMENTAL DATA RESOURCES, INC. BE LIABLE TO ANYONE, WHETHER ARISING OUT OF ERRORS OR OMISSIONS, NEGLIGENCE, ACCIDENT OR ANY OTHER CAUSE, FOR ANY LOSS OR DAMAGE, INCLUDING, WITHOUT LIMITATION, SPECIAL, INCIDENTAL, CONSEQUENTIAL, OR EXEMPLARY DAMAGES. ANY LIABILITY ON THE PART OF ENVIRONMENTAL DATA RESOURCES, INC. IS STRICTLY LIMITED TO A REFUND OF THE AMOUNT PAID FOR THIS REPORT.** Purchaser accepts this Report "AS IS". Any analyses, estimates, ratings, environmental risk levels or risk codes provided in this Report are provided for illustrative purposes only, and are not intended to provide, nor should they be interpreted as providing any facts regarding, or prediction orforecast of, any environmental risk for any property. Only a Phase I Environmental Site Assessment performed by an environmental professional can provide information regarding the environmental risk for any property. Additionally, the information provided in this Report is not to be construed as legal advice.

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EDR BUILDING PERMIT REPORT

About This Report

The EDR Building Permit Report provides a practical and efficient method to search building department records for indications of environmental conditions. Generated via a search of municipal building permit records gathered from more than 1,600 cities nationwide, this report will assist you in meeting the search requirements of EPA's Standards and Practices for All Appropriate Inquiries (40 CFR Part 312), the ASTM Standard Practice for Environmental Site Assessments (E 1527-13), or custom requirements developed for the evaluation of environmental risk associated with a parcel of real estate.

Building permit data can be used to identify current and/or former operations and structures/features of environmental concern. The data can provide information on a target property and adjoining properties such as the presence of underground storage tanks, pump islands, sumps, drywells, etc., as well as information regarding water, sewer, natural gas, electrical connection dates, and current/former septic tanks.

ASTM and EPA Requirements

ASTM E 1527-13 lists building department records as a "standard historical source," as detailed in § 8.3.4.7: "Building Department Records - The term building department records means those records of the local government in which the property is located indicating permission of the local government to construct, alter, or demolish improvements on the property." ASTM also states that "Uses in the area surrounding the property shall be identified in the report, but this task is required only to the extent that this information is revealed in the course of researching the property itself."

EPA's Standards and Practices for All Appropriate Inquires (AAI) states: "§312.24: Reviews of historical sources of information. (a) Historical documents and records must be reviewed for the purposes of achieving the objectives and performance factors of §312.20(e) and (f). Historical documents and records may include, but are not limited to, aerial photographs, fire insurance maps, building department records, chain of title documents, and land use records."

Methodology

EDR has developed the EDR Building Permit Report through our partnership with BuildFax, the nation's largest repository of building department records. BuildFax collects, updates, and manages building department records from local municipal governments. The database now includes 30 million permits, on more than 10 million properties across 1,600 cities in the United States.

The EDR Building Permit Report comprises local municipal building permit records, gathered directly from local jurisdictions, including both target property and adjoining properties. Years of coverage vary by municipality. Data reported includes (where available): date of permit, permit type, permit number, status, valuation, contractor company, contractor name, and description.

Incoming permit data is checked at seven stages in a regimented quality control process, from initial data source interview, to data preparation, through final auditing. To ensure the building department is accurate, each of the seven quality control stages contains, on average, 15 additional quality checks, resulting in a process of approximately 105 quality control "touch points."

For more information about the EDR Building Permit Report, please contact your EDR Account Executive at (800) 352-0050.

EDR® Environmental Data Resources Inc

BUILDFAX® PROPERTY HISTORY

EXECUTIVE SUMMARY: SEARCH DOCUMENTATION

A search of building department records was conducted by Environmental Data Resources, Inc (EDR) on behalf of Provost & Pritchard Eng. Group on Jul 01, 2020.

TARGET PROPERTY

7622 HOUSTON AVE
HANFORD, CA 93230

SEARCH METHODS

EDR searches available lists for both the Target Property and Surrounding Properties.

RESEARCH SUMMARY

Building permits identified: **YES**

The following research sources were consulted in the preparation of this report. An "X" indicates where information was identified in the source and provided in this report.

Kings County Unincorporated Area

Year	*Source*	*TP*	*Adjoining*
2020	County of Kings, Community Development Agency		
2019	County of Kings, Community Development Agency		
2018	County of Kings, Community Development Agency		
2017	County of Kings, Community Development Agency		
2016	County of Kings, Community Development Agency		
2015	County of Kings, Community Development Agency		
2014	County of Kings, Community Development Agency		
2013	County of Kings, Community Development Agency		
2012	County of Kings, Community Development Agency		
2011	County of Kings, Community Development Agency		
2010	County of Kings, Community Development Agency		
2009	County of Kings, Community Development Agency		
2008	County of Kings, Community Development Agency	X	
2007	County of Kings, Community Development Agency		
2006	County of Kings, Community Development Agency	X	
2005	County of Kings, Community Development Agency		
2004	County of Kings, Community Development Agency	X	
2003	County of Kings, Community Development Agency		
2002	County of Kings, Community Development Agency		
2001	County of Kings, Community Development Agency		
2000	County of Kings, Community Development Agency		

Name: JurisdictionName
Years: Years
Source: Source
Phone: Phone

BUILDING DEPARTMENT RECORDS SEARCHED

Name: Kings County Unincorporated Area
Years: 2000-2020
Source: County of Kings, Community Development Agency, Hanford, CA
Phone:

Name: Hanford
Years: 1996-2020
Source: City of Hanford, Building Division, Hanford, CA
Phone: (559) 585-2581

TARGET PROPERTY FINDINGS

TARGET PROPERTY DETAIL

7622 HOUSTON AVE
HANFORD, CA 93230

7622 HOUSTON AVE

Date:	**6/2/2008**
Permit Type:	**PLUMBING**
Description:	**INSTALL SEPTIC FOR KC FIRE TRAINING FACILITY**
Permit Description:	**PLUMBING**
Work Class:	
Proposed Use:	
Permit Number:	0806-002
Status:	FINALED
Valuation:	$0.00
Contractor Company:	
Contractor Name:	JONES CONTRUCTION & EXCAVATION

Date:	**2/11/2008**
Permit Type:	
Description:	**DETACHED RESTROOM FACILITY/FEE EXEMPT**
Permit Description:	
Work Class:	
Proposed Use:	
Permit Number:	0802-026
Status:	FINALED
Valuation:	$0.00
Contractor Company:	
Contractor Name:	MARCUS CRUZ VALDEZ

TARGET PROPERTY FINDINGS

Date:	**9/15/2006**
Permit Type:	**PLUMBING**
Description:	**SWITCH FROM PROPANE TO NATURAL GAS**
Permit Description:	**PLUMBING**
Work Class:	
Proposed Use:	
Permit Number:	0609-044
Status:	FINALED
Valuation:	$0.00
Contractor Company:	
Contractor Name:	PIEROTTES PLUMBING INC

Date:	**3/2/2004**
Permit Type:	**NON-RES**
Description:	**NEW FIRE STATION**
Permit Description:	**NON-RESIDENTIAL**
Work Class:	
Proposed Use:	
Permit Number:	0210-030
Status:	FINALED
Valuation:	$0.00
Contractor Company:	
Contractor Name:	BASILA CONSTRUCTION INC.

ADJOINING PROPERTY FINDINGS

ADJOINING PROPERTY DETAIL

The following Adjoining Property addresses were researched for this report. Detailed findings are provided for each address.

No Permits Found

GLOSSARY

General Building Department concepts

- **ICC:** The International Code Council. The governing body for the building/development codes used by all jurisdictions who've adopted the ICC guidelines. MOST of the US has done this. Canada, Mexico, and other countries use ICC codes books and guides as well. There are a few states who have added guidelines to the ICC codes to better fit their needs. For example, California has added seismic retrofit requirements for most commercial structures.
- **Building Department (Permitting Authority, Building Codes, Inspections Department, Building and Inspections):** This is the department in a jurisdiction where an owner or contractor goes to obtain permits and inspections for building, tearing down, remodeling, adding to, re-roofing, moving or otherwise making changes to any structure, Residential or Commercial.
- **Jurisdiction:** This is the geographic area representing the properties over which a Permitting Authority has responsibility.
- **GC:** General Contractor. Usually the primary contractor hired for any Residential or Commercial construction work.
- **Sub:** Subordinate contracting companies or subcontractors. Usually a "trades" contractor working for the GC. These contractors generally have an area of expertise in which they are licensed like Plumbing, Electrical, Heating and Air systems, Gas Systems, Pools etc. (called "trades").
- **Journeymen:** Sub contractors who have their own personal licenses in one or more trades and work for different contracting companies, wherever they are needed or there is work.
- **HVAC (Mechanical, Heating & Air companies):** HVAC = Heating, Ventilation, and Air Conditioning.
- **ELEC (Electrical, TempPole, TPole, TPower, Temporary Power, Panel, AMP Change, Power Release):** Electrical permits can be pulled for many reasons. The most common reason is to increase the AMPs of power in an electrical power panel. This requires a permit in almost every jurisdiction. Other commons reason for Electrical permits is to insert a temporary power pole at a new construction site. Construction requires electricity, and in a new development, power has yet to be run to the lot. The temporary power pole is usually the very first permit pulled for new development. The power is released to the home owner when construction is complete and this sometimes takes the form of a Power Release permit or inspection.
- **"Pull" a permit:** To obtain and pay for a building permit.
- **CBO:** Chief Building Official
- **Planning Department:** The department in the development process where the building /structural plans are reviewed for their completeness and compliance with building codes
- **Zoning Department:** The department in the development process where the site plans are reviewed for their compliance with the regulations associated with the zoning district in which they are situated.
- **Zoning District:** A pre-determined geographic boundary within a jurisdiction where certain types of structures are permitted / prohibited. Examples are Residential structure, Commercial/Retail structures, Industrial/Manufacturing structures etc. Each zoning district has regulations associated with it like the sizes of the lots, the density of the structures on the lots, the number of parking spaces required for certain types of structures on the lots etc.
- **PIN (TMS, GIS ID, Parcel#):** Property Identification Number and Tax Map System number.
- **State Card (Business license):** A license card issued to a contractor to conduct business.
- **Building Inspector (Inspector):** The inspector is a building department employee that inspects building construction for compliance to codes.
- **C.O.:** Certificate of Occupancy. This is the end of the construction process and designates that the owners now have permission to occupy a structure after its building is complete. Sometimes also referred to as a Certificate of Compliance.

GLOSSARY

Permit Content Definitions

- Permit Number: The alphanumerical designation assigned to a permit for tracking within the building department system. Sometimes the permit number gives clues to its role, e.g. a "PL" prefix may designate a plumbing permit.
- Description: A field on the permit form that allows the building department to give a brief description of the work being done. More often than not, this is the most important field for EP's to find clues to the prior use(s) of the property.
- Permit Type: Generally a brief designation of the type of job being done. For example BLDG-RES, BLDG-COM, ELEC, MECH etc.

Sample Building Permit Data

Date: Nov 09, 2000
Permit Type: Bldg -
New Permit Number: 101000000405
Status: Valuation: $1,000,000.00
Contractor Company: OWNER-BUILDER
Contractor Name:

Description: New one store retail (SAV-ON) with drive-thru pharmacy. Certificate of Occupancy.

Appendix F

California Geologic Energy Management Division

SPONTANEOUS POTENTIAL
RESISTIVITY
RESISTIVITY
Tenbar

EDMUND [illegible]ROWN
GOVER[illegible] OF
CALIFORNIA

WIL[illegible] E. WARNE
A[illegible]ISTRATOR
RESOU[illegible]CES AGENCY

E. R. MURRAY-AARON
State Oil and Gas Supervisor

C. H. CORWIN
Deputy Supervisor

DEWITT NELSON
Director of
Conservation

THE RESOURCES AGENCY OF CALIFORNIA
DEPARTMENT OF CONSERVATION
DIVISION OF OIL AND GAS
P. O. BOX 616
COALINGA, CALIFORNIA

August 29 1966

Rusty Walters Drilling Company
P O Box 304
Bakersfield California

Gentlemen

This office at various times receives requests for the release of information contained in the records covering the drilling and abandonment of your wells No. "Bettencourt" 1, Sec. 4, T. 19 S., R. 22 E.; and No. "Orchard" 45, Sec. 23, T. 24 S., R. 17 E., both in Kings County.

Inasmuch as records filed with this Division are confidential and cannot be released for inspection or copying without the written consent of the operator, please advise us whether or not you have any objections to the release of information on your wells to interested persons.

Yours truly

C. H. Corwin

C H CORWIN
Deputy Supervisor

We have no objection to the Division of Oil and Gas releasing the above mentioned information.

[illegible]
RECEIVED
SEP 12 1966
[illegible]

E. A. Bender, Partner Rusty Walters Drilling Company

August 29 1966

Rusty Walters Drilling Company
P O Box 304
Bakersfield California

Gentlemen

This office at various times receives requests for the release of information contained in the records covering the drilling and abandonment of your wells No. "Bettencourt" 1, Sec. 4, T. 19 S., R. 22 E.; and No. "Orchard" 45, Sec. 23, T. 24 S., R. 17 E., both in Kings County.

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Yours truly

C. H. Corwin
VCS

C H CORWIN
Deputy Supervisor

FORM 159 (9-49)

32

STATE OF CALIFORNIA
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL AND GAS

REPORT OF WELL ABANDONMENT

Coalinga, California

November 14 1955

MR. F. L. Shepherd Agent
Rusty Walters Drilling Company
P. O. Box 304
Bakersfield California

Dear Sir

Your report of abandonment of Well No. "Bettencourt" 1, Sec. 4, T. 19 S, R. 22 E., M.D. B. & M., ——— field, Kings County, dated November 7, 1955, has been examined in conjunction with records filed in this office.

A review of the reports and records shows that the requirements of this Division, which are based on all information filed with it, have been fulfilled.

KPL:ef
cc: Company

E. H. MUSSER
State Oil and Gas Supervisor

By C. H. Corwin
Deputy Supervisor

17601 5-55 11,200 SPO

SUBMIT LOG IN DUPLICATE

FILL THIS BLANK IN WITH TYPEWRITER. WRITE ON ONE SIDE OF PAPER ONLY

STATE OF CALIFORNIA
DEPARTMENT OF NATURAL RESOURCES

DIVISION OF OIL AND GAS

WELL SUMMARY REPORT

Operator Rusty Walters Drilling Company Field Prospect Well - Hanford Area

Well No. Bettencourt #1 Sec. 4, T. 19 S, R. 22 E, M. D. B. & M.

Location 330' S & 660' W of center Sec. 4 Elevation of ground above sea level 245 ground topo feet.

All depth measurements taken from top of kelly bushing, which is 10.5 feet above ground.

In compliance with the provisions of Chapter 93, Statutes of 1939, the information given herewith is a complete and correct record of the present condition of the well and all work done thereon, so far as can be determined from all available records.

Date November 7, 1955 Signed [signature]

(Engineer or Geologist) (Superintendent) Title Agent (President, Secretary or Agent)

Commenced drilling 10/12/55 Completed drilling 10/26/55 Drilling tools ~~XXX~~ Rotary

Total depth 6665 Plugged depth 1876' - 2033'

Junk None 346' - 523'

0' - 10'

GEOLOGICAL MARKERS	DEPTH
T.S.M.	4395 el.
Krey. Shale	6527 el.
Domengine	6605 el.

Commenced producing Abandoned 10/27/55 (date) Flowing/gas lift/pumping (cross out unnecessary words)

	Clean Oil bbl. per day	Gravity Clean Oil	Per Cent Water including emulsion	Gas Mcf. per day	Tubing Pressure	Casing Pressure
Initial production	Never produced					
Production after 30 days						

CASING RECORD (Present Hole)

Size of Casing (A. P. I.)	Depth of Shoe	Top of Casing	Weight of Casing	New or Second Hand	Seamless or Lapweld	Grade of Casing	Size of Hole Drilled	Number of Sacks of Cement	Depth of Cementing if through perforations
8-5/8"	512	Surface	25.50 #	N	S	J-55	12-1/4"	250	

PERFORATIONS

Size of Casing	From	To	Size of Perforations	Number of Rows	Distance Between Centers	Method of Perforations
	ft.	ft.				
	ft.	ft.				
	ft.	ft.				
	ft.	ft.				
	ft.	ft.				

Electrical Log Depths 513 - 6663 (Attach Copy of Log)

FORM 103 SUBMIT IN DUPLICATE 91818 1-54 77,050 SPO

STATE OF CALIFORNIA

DEPARTMENT OF NATURAL RESOURCES

DIVISION OF OIL AND GAS

32

History of Oil or Gas Well

OPERATOR Rusty Walters Drilling Company FIELD Prospect well - Hanford Area

Well No. Bettencourt #1, Sec. 4, T. 19 S, R. 22 E, M. D. B. & M.

Date November 7, 19 55 Signed F. L. Shepherd

Box 52, Bakersfield FA 44961 Title Agent

(Address) (Telephone Number) (President, Secretary or Agent)

It is of the greatest importance to have a complete history of the well. Use this form to report a full account of all important operations during the drilling and testing of the well or during re-drilling, altering of casing, plugging, or abandonment with the dates thereof. Be sure to include such items as hole size, formation test details, amounts of cement used, top and bottom of plugs, perforation details, sidetracked junk, bailing tests, shooting and initial production data.

Date 1955	Depth	Effective Depth	Remarks
10/12	512		Rusty Walters Drilling Co., spudded in 3:30 p.m. with 12-1/4" bit using 4" drill pipe and fresh water clay base mud.
10/13	532		Cemented 13 joints new 8-5/8" A.P.I., 25.50#, J-55, S.T.&C., 8 round thread, seamless casing with Baker guide shoe at 512' with 235 saxs Permanente type "O" cement. Displaced with 178 cu. ft. mud to bump plugs. Final pressure 500#. No circulation last 50 cu.ft. Pumped in 15 saxs thru 1" pipe at 40'. Installed casing head and blowout equipment and tested to 750# for 15 minutes O'K. Located top of cement at 482' with 7-7/8" bit, cleaned out cement, drilled out of shoe at 512' and ahead with 7-7/8" bit.
10/27	6665'	Plug 1876' Plug 346' Plug 10'	Drilled 7-7/8" hole to 6665'. Ran Schlumberger electric log recording 6663' to 513'. Took sidewall cores. Plugged 7-7/8" open hole with 50 saxs Permanente Type "O" cement thru 4" drill pipe hung at 2033'. Displaced with 120 cu. ft. to equalize. Location and hardness of plug at 1876' approved by K.P. Loken of D.O.G. Plugged 7-7/8" open hole and 8-5/8" casing with 50 saxs Permanente type "O" cement thru 4" drill pipe hung at 523' Located top of plug at346'. Plugged surface 10' of 8-5/8" with cement.

WELL ABANDONED

DIVISION OF OIL AND GAS
RECEIVED
NOV 8 1955
COALINGA, CALIFORNIA

RUSTY WALTERS DRILLING COMPANY

Bettencourt No. 1

BIT RECORD

NO.	SIZE & MAKE	FROM	TO	FOOTAGE	HOURS	REMARKS
1	12-1/4" Hughes OSC-1	0	512	512	6	
2	7-7/8" Baker Tricone	512	1435	923	9	
3	" Security S-3	1435	2246	811	11-3/4	
4	" Smith 3 CDT	2246	2667	421	9-1/2	Retip
5	" Smith 3 CdT	2667	2808	141	5	Retip
6	" Smith 3 CK2P	2808	3224	416	10-3/4	
7	" Security S-3	3224	3836	612	19	
8	" Smith 3 CK2P	3836	4029	193	11	
9	" Security S-3P	4029	4456	427	11-1/2	
10	" Security S-3P	4456	4852	396	16	
11	" Security S-3P	4852	5159	307	12-3/4	
12	" Security S-3P	5159	5323	164	10-1/2	
13	" Smith 3CDT	5323	5463	140	8-1/2	
14	" Smith 3CDT	5463	5699	236	13-1/2	
15	" Security 3CP	5699	5904	205	13-1/4	
16	" Smith 3CDT	5904	6082	178	9-1/2	
17	" Smith 3CDT	6082	6286	204	16-1/4	
18	" Smith K2P	6286	6432	146	10-3/4	
19	" Security S3P	6432	6521	89	9-1/2	
20	" Smith 3CK2P	6521	6600	79	11-1/4	
21	" Smith 3CDT	6600	6665	65	3	

DEVIATION RECORD

DEPTH	ANGLE	DEPTH	ANGLE
1435'	0° 00'	4456'	0° 20'
2246'	0° 10'	5463'	0° 10'
2667'	0° 30'	5698'	0° 10'
2808'	0° 45'	5904'	0° 05'
3224'	0° 30'	6286'	0° 00'
3836'	0° 15'	6432'	0° 05'

INSTRUMENT: Sperry Sun Single Shot.

NAMES OF DRILLERS:

L. R. Perryman
C. R. Thompson
Paul Gregg
R. L. Toney

ORM 101
CALIFORNIA STATE PRINTING OFFICE

SUBMIT IN DUPLICATE

STATE OF CALIFORNIA
DEPARTMENT OF NATURAL RESOURCES

DIVISION OF OIL AND GAS

LOG AND CORE RECORD OF OIL OR GAS WELL

Operator Rusty Walters Drilling Co. Field Prospect Well

Well No. Bettencourt #1 Sec. 4, T. 19 S, R. 22 E, M. D. B. & M.

FORMATIONS PENETRATED BY WELL

DEPTH TO Top of Formation	DEPTH TO Bottom of Formation	Thickness	Drilled or Cored	Recovery	DESCRIPTION
Schlumberger sidewall core samples only. No cores taken.					
	5922	1-3/4"			Sand, gray, fine medium grained, clayey, firm friable.
	5948	1-1/2"			Sand as above with greenish cast.
	6174	1-1/2"			Sand as above
	6224	1-1/2"			Sand, greenish gray, fine medium clayey, firm friable.
	6272	1-3/4"			Sand as above.
	6346	1-1/2"			Sand as above.
	6370	1-3/4"			Sand as above.
	6423	1-1/2"			Sand as above.
	6480	1-3/4"			Sand as above.
	6500	1-3/4"			Sand as above.
	6508	1-3/4"			Silt, greenish gray, firm.
	6607	1-3/4"			Sand, silty to fine, green, clayey, firm friable.
	6632	1-3/4"			Sand, fine to medium, gray, firm friable.

FORM 109-D

STATE OF CALIFORNIA
DEPARTMENT OF NATURAL RESOURCES

DIVISION OF OIL AND GAS

Special Report on Operations Witnessed

No. T 555-261

Mr. P L Shepherd
P O Box 304
Bakersfield California

Coalinga Calif.
November 2 19 55

Agent for RUSTY WALTERS DRILLING COMPANY

DEAR SIR:

Operations at your well No. "Bettencourt" 1 Sec. 4, T. 19S, R. 22E, M D B. & M., - - Field, in Kings County, were witnessed on October 27, 1955. Mr. K. P. Loken, representative of the supervisor was present from 3:30 pm to 5:00 pm. There were also present R. M. Walters, Operator, and P. Cregg, Driller

Present condition of well: 8 5/8" cem. 505'. T. D. 6665'. Plugged with cement 2033'-1876'.

The operations were performed for the purpose of witnessing the location and hardness of a cement plug placed from 2033'-1876' in the process of abandonment.

Mr. Walters reported:

1. A 7 7/8" hole was drilled to a total depth of 6665'.
2. On October 27, 1955, 50 sacks of cement was pumped into the hole and equalized through 4" drill pipe hanging at 2033', filling to 1876'.

THE INSPECTOR NOTED:

1. The cement plug at the reported depth of 1876' supported 4 tons weight of the drill pipe.

THE LOCATION AND HARDNESS OF THE CEMENT PLUG AT 1876' ARE APPROVED.

KPL:fd
cc: Company

E. H. MUSSER
State Oil and Gas Supervisor

By C. H. Corwin Deputy

12362 2-55 18,100 ⓑ SPO

M 111 (1-49)

STATE OF CALIFORNIA
DEPARTMENT OF NATURAL RESOURCES

DIVISION OF OIL AND GAS

REPORT ON PROPOSED OPERATIONS

No. P 555-335

Mr. P L Shepherd
P O Box 304
Bakersfield California

Coalinga Calif.
November 1 19 55

Agent for RUSTY WALTERS DRILLING COMPANY

DEAR SIR:

Your proposal to abandon Well No. "Pettencourt" 1,

Section 4, T. 19S, R. 22E, M D B. & M., --- Field, Kings County,

dated Oct. 27 19 55, received Oct. 28 19 55, has been examined in conjunction with records filed in this office.

Present conditions as shown by the records and the proposal are as follows:

THE NOTICE STATES:

"THE PRESENT CONDITION OF THE WELL IS:

1. Total Depth: 6665'
2. Complete casing record, including plugs:
   500' 8-5/8" casing
3. Last Produced No Production
4. Oil or Gas showings and results of tests:
   None
   Electric log to 6665'
   Sidewall samples - Gray sand
5. Stratigraphic markers and depths:
   Top Kr. Shale (?) 6527'
   " Domengine (?) 6605'
6. Geologic age at bottom: Paleocene (?)
7. Base of fresh water sands: 2050' "

PROPOSAL:

"THE PROPOSED WORK IS

Place 100' cement plug 1950' 2050'
Have Division of Oil and Gas witness test for hardness
Place 40' plug at 500' - 40' in 8-5/8" 40' out.
Place 10' plug at surface"

DECISION:

THE PROPOSAL IS APPROVED.

Bond No. 92-397730 Dated 10-10-55
CHC:fd
cc: Company

E. H. MUSSER, State Oil and Gas Supervisor

By C. H. Corwin, Deputy

11210 1-55 30M SPO

. 108. 95391 3-54 23,600 ④ SPO

STATE OF CALIFORNIA
DEPARTMENT OF NATURAL RESOURCES

DIVISION OF OIL AND GAS

Notice of Intention to Abandon Well

This notice must be given at least five days before work is to begin; one copy only

Bakersfield Calif. October 27 19 55

DIVISION OF OIL AND GAS

In compliance with Division 3, Public Resources Code, notice is hereby given that it is our intention to abandon

Well No. BETTENCOURT NO. 1, Sec. 4, T. 19 S.,

R. 22 E., M. D. B. & M., Hanford Area Field, Kings County,

commencing work on October 27 19 55.

THE PRESENT CONDITION OF THE WELL IS:

1. Total Depth: 6665'

2. Complete casing record, including plugs:

500' 8-5/8" casing

3. Last Produced No Production
(Date) (Oil, B/D) (Water, B/D)

ADDITIONAL DATA FOR DRY HOLE

4. Oil or Gas showings and results of tests:

None
Electric Log to 6665'
Sidewall samples - Gray sand

5. Stratigraphic markers and depths:

Top Kr. Shale (?) 6527'
" Domengine (?) 6605'

6. Geologic age at bottom: Paleocene (?)

7. Base of fresh water sands: 2050'

THE PROPOSED WORK IS

Place 100' cement plug 1950' 2050'
Have Division of Oil & Gas witness test for hardness
Place 40' plug at 500' - 40' in 8-5/8" 40' out.
Place 10' plug at surface

DIVISION OF OIL AND GAS
RECEIVED
OCT 28 1955
COALINGA, CALIFORNIA

P. O. Box 304, Bakersfield
(Address)

FA 44961
(Telephone No.)

RUSTY WALTERS DRILLING CO.
(Name of Operator)

By T. L. Shepherd

ADDRESS ONE COPY OF NOTICE TO DIVISION OF OIL AND GAS IN DISTRICT WHERE WELL IS LOCATED

OM 111 (1-49)

STATE OF CALIFORNIA
DEPARTMENT OF NATURAL RESOURCES

DIVISION OF OIL AND GAS

REPORT ON PROPOSED OPERATIONS

No. P 555-320

Mr. F. L. Shepherd
P. O. Box 304 Coalinga Calif.
Bakersfield California October 17 19 55
Partner Agent for: BUSBY HALCROW DRILLING COMPANY

DEAR SIR:

Your proposal to drill Well No. "Bettencourt" 1,

Section 4, T. 19 S, R. 22 E, M D B. & M., - - Field, Kings County,

dated October 19 55, received Oct. 11 19 55, has been examined in conjunction with records filed in this office.

Present conditions as shown by the records and the proposal are as follows:

THE NOTICE STATES:

"Legal description of lease S. W. 1/4 of Section 4-19S-22E. including mineral rights thereunder except for strip along westerly side of section reserved for highway purposes.

Location of well: 660 feet West along center section line and 330 feet South at right angles to said line from the Center of section 4-19.S-22.E.

Elevation of ground above sea level - feet - datum.

All depth measurements taken from top of Kelly Bushing which is 10.5 feet above ground."

PROPOSAL:

"PROPOSED CASING PROGRAM

Size of Casing Inches A. P. I.	Weight	Grade and Type	Top	Bottom	Cementing Depths
8 5/8"	25.55	J 55 New	Surface	500 ft.	to surface

Balance of casing program depending on showings.

Intended zone or zones of completion: Zilch Sand

It is understood that if changes in this plan become necessary we are to notify you before running casing."

DECISION:

THE PROPOSAL IS APPROVED PROVIDED THAT:

1. The 8 5/8" surface casing shall be cemented with sufficient cement to fill back of this casing from the shoe to the ground surface.
2. Mud fluid of sufficient weight and proper consistency to prevent blow-outs shall be used in drilling, and the column of mud fluid shall be maintained to the surface at all times, particularly while pulling the drill pipe.
3. Adequate blow-out prevention equipment shall be provided and kept ready for operation at all times.
4. Water suitable for irrigation shall be protected from contamination.
5. This Division shall be notified before landing or cementing any casing below the 8 5/8" surface casing, and additional requirements will be outlined at that time.

Bond No. 92-397730 Dated 10-10-55
CHC:fd
cc: Company

E. H. MUSSER, State Oil and Gas Supervisor

By C. H. Corwin, Deputy

11210 1-55 30M SPO

115

1600 SOUTH UNION AVENUE

TELEPHONE

Rusty Walters Drilling Company

MAILING ADDRESS: P. O. Box 304

BAKERSFIELD, CALIFORNIA

October 13,1955

Mr. C. H. Corwin
Department of Natural Resources
Division of Oil and Gas
Coalinga, California.

Dear Mr. Corwin:

The lease covering the SW 1/4 of Section 4, T. 19 S., R. 22 E., M.D.B.& M. Kings County,California is for both mineral and surface rights, with the exception that surface rights are reserved in a strip along the Westerly side of said Section 4, for highway purposes.

Very truly yours,

F. L. Shepherd

F. L. Shepherd

DIVISION OF
RE-
OCT 1 [illegible] 1955
COALINGA, CALIFORNIA

Coalinga California

October 11 1955

Rusty Walters Drilling Company
P O Box 304
Bakersfield California

Gentlemen

I am in receipt of your notice of intention to drill well No. "Bettencourt" 1, Sec. 4, T. 19 S., R. 22 E., M. D. B. & M., Kings County.

A recent letter of instruction from our San Francisco office requires that on the notice of intention to drill, the legal description of the lease shall include a statement as to indicate the exact extent of the surface rights, and also the mineral rights. Therefore, please furnish this office with a statement as to whether the lease, as shown, includes the mineral rights as well as the surface rights.

Future notices should contain this information.

Yours truly

C H Corwin

C H CORWIN
Deputy Supervisor

CHC/ef

105

STATE OF CALIFORNIA

DEPARTMENT OF NATURAL RESOURCES

DIVISION OF OIL AND GAS

Notice of Intention to Drill New Well

This notice and surety bond must be filed before drilling begins

031-00601

Bakersfield Calif. October 19 55

DIVISION OF OIL AND GAS

In compliance with Section 3203, Division III, Article 4, Public Resources Code, notice is hereby given that it is our intention to commence the work of drilling well ~~No.~~ Bettencourt #1, Sec. 4, T. 19. S, R. 22 E., M.D. B. & M., Hanford Area Field, Kings County.

Legal description of lease S. W. 1/4 of Section 4-19S-22 E. including mineral rights thereunder except for strip along westerly side of section reserved for highway purposes.
(Attach map or plat to scale)

Location of Well: 660 feet West (Direction) along center ~~xxxxxx~~ section line and 330 feet South (Direction) at right angles to said line from the Center of ~~xxxxxx~~ ~~xxxxxx~~ section 4-19.S-22.E.

245' per form #100 KL

Elevation of ground above sea level ____ feet ____ datum.

All depth measurements taken from top of Kelly Bushing (Derrick Floor, Rotary Table or Kelly Bushing) which is 10.5 feet above ground.

PROPOSED CASING PROGRAM

SIZE OF CASING INCHES A.P.I.	WEIGHT	GRADE AND TYPE	TOP	BOTTOM	CEMENTING DEPTHS
8 5/8"	25.55	J 55 New	Surface	500 ft.	to surface
Balance of casing program depending on showings.					

Intended zone or zones of completion: Zilch Sand

OCT 2 1955

COALINGA, CALIFORNIA

It is understood that if changes in this plan become necessary we are to notify you before running casing.

Address P.O.Box 304 Bakersfield,Calif.

RUSTY WALTERS DRILLING COMPANY (Name of Operator)

Telephone Number FA 44961

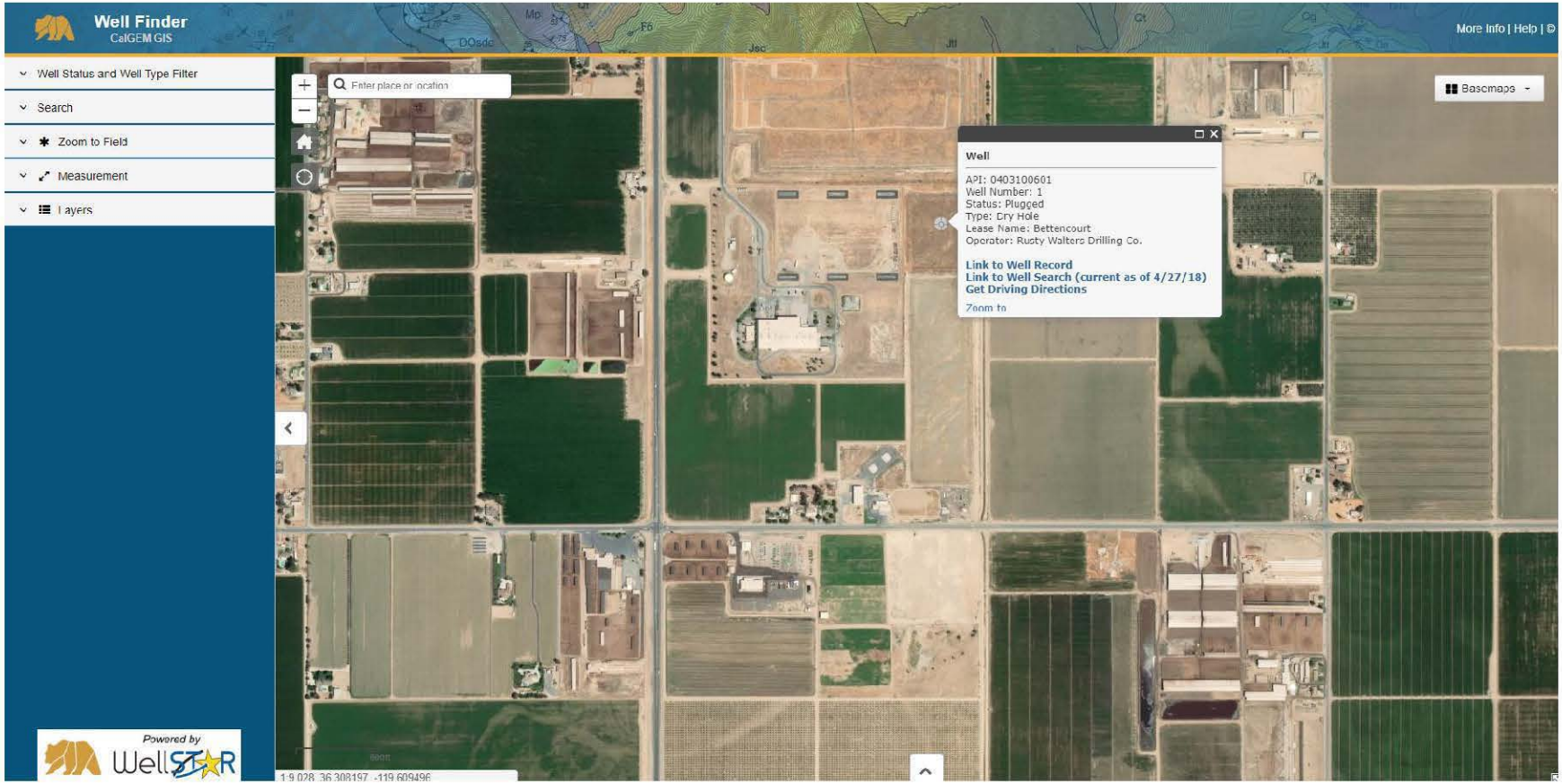
By F L Shepherd F.L.Shepherd partner

SEND ONE COPY OF NOTICE TO DIVISION OFFICE IN DISTRICT WHERE WELL IS LOCATED

Form 13413 - dated Oct 25 [illegible]

end #92 - 307730 - Dated 10-10-55

California Geologic Energy Management Division – CalGEM
(https://www.conservation.ca.gov/calgem/Pages/WellFinder.aspx)



California
Department of Conservation

Well Search

Well Information

API #
03100601
Lease
Bettencourt
Well #
1
County
Kings [031]
District
5
Operator
Rusty Walters Drilling Co. [07500]
Field
Any Field [000]
Area
Any Area [00]
Section
4
Township
19S
Range
22E
Base Meridian
MD
Well Status
Plugged & Abandoned
Pool WellTypes
OG
SPUD Date
10/12/1955
GIS Source
hud
Datum
83
Latitude
36.304942
Longitude
-119.593248
Map

Click to get Sum by

County: **Kings [031]** or Field: **Any Field [000]** or Operator: **Rusty Walters Drilling Co. [07500]**

Get sum by Field-Operator-Lease: **Bettencourt**

Well Records

Show 25 entries

‹ Previous 1 Next ›

Showing 1 to 3 of 3 entries

File Name	Type	Size	Modified on
03100601_1955-10-27_Electric-Log_2_1.pdf	PDF	778.00 KB	3/31/2013
03100601_1955-10-27_Electric-Log_2_1.tif	TIF	854.00 KB	10/24/2012
03100601_DATA_01-09-2008.pdf	PDF	1.00 MB	1/10/2008

Production Data

Show 25 entries

« First ‹ Previous Next › Last »

Showing 0 to 0 of 0 entries

Date	Oil(bbl)	Water(bbl)	Gas(Mcf)	Days Producing	Gravity	Csg	Tbg	BTU	MO	Disp	PWT Status	Well Type	Stat
No results found													
Date	Oil(bbl)	Water(bbl)	Gas(Mcf)	Days Producing	Gravity	Csg	Tbg	BTU	MO	Disp	PWT Status	Well Type	Stat

« First ‹ Previous Next › Last »

Injection Data

Show 25 entries

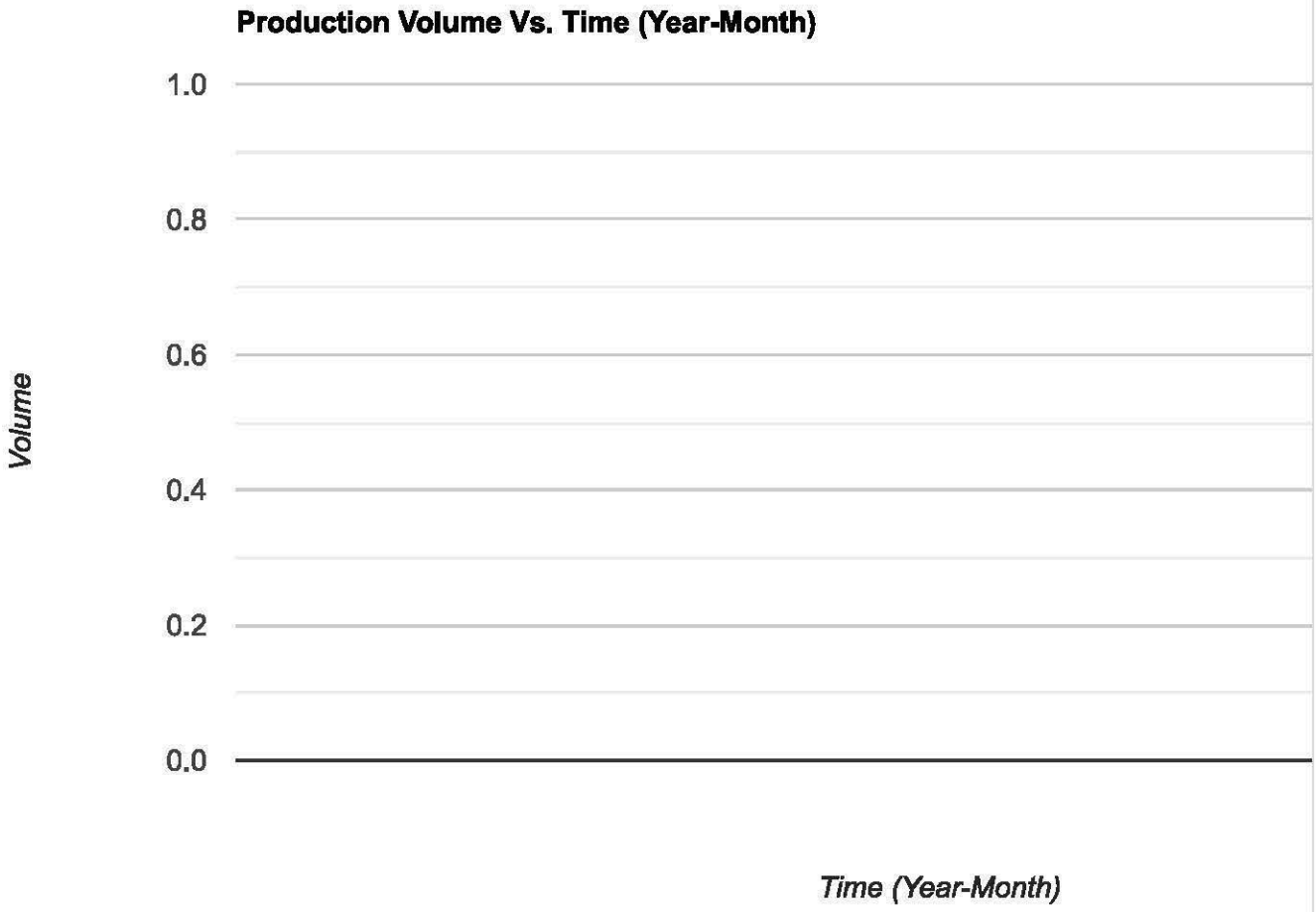
« First ‹ Previous Next › Last »

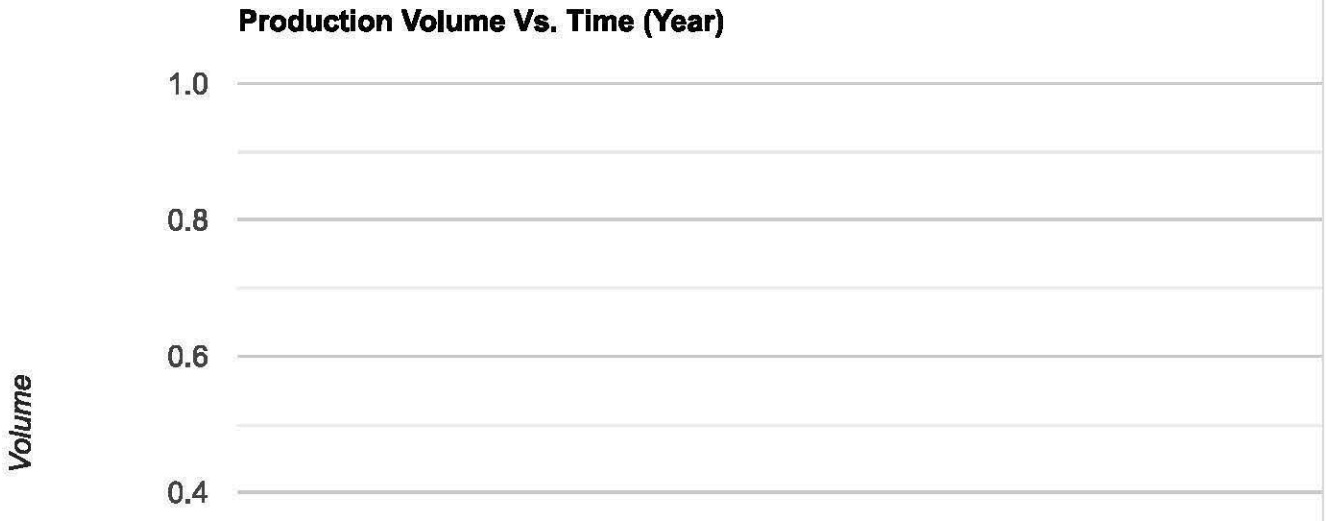
Showing 0 to 0 of 0 entries

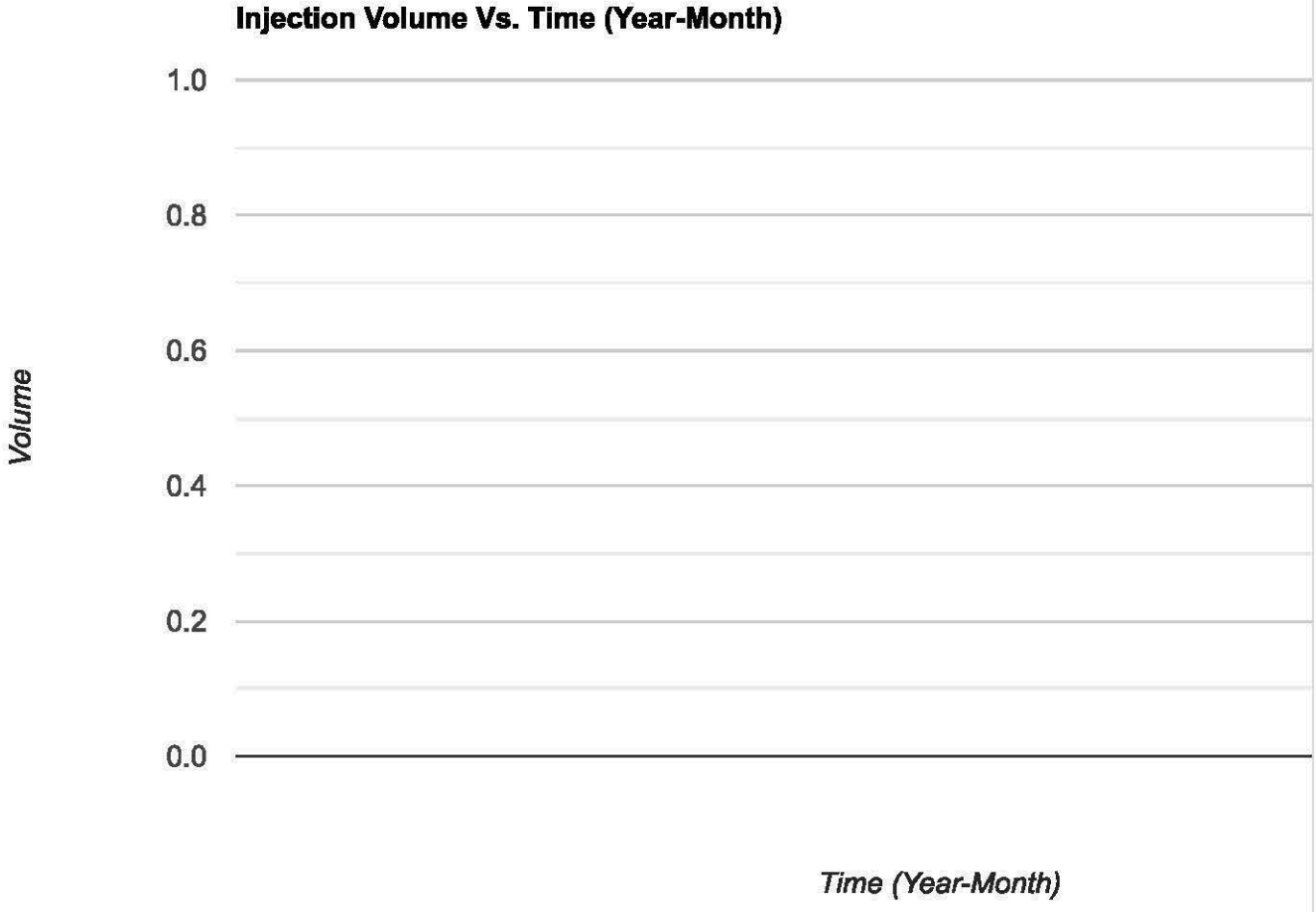
Date	Water/Steam(bbl)	Gas/Air(Mcf)	Days Injecting	Pressure	Water Source	Water Kind	PWT Status	Well Type	Status	Pool Code
No results found										

« First ‹ Previous Next › Last »

Production Charts




Production Volume Vs. Time (Year)
1.0
0.8
0.6
0.4
Volume


Injection Volume Vs. Time (Year-Month)
1.0
0.8
0.6
0.4
0.2
0.0
Volume
Time (Year-Month)

Injection Volume Vs. Time (Year)

1.0

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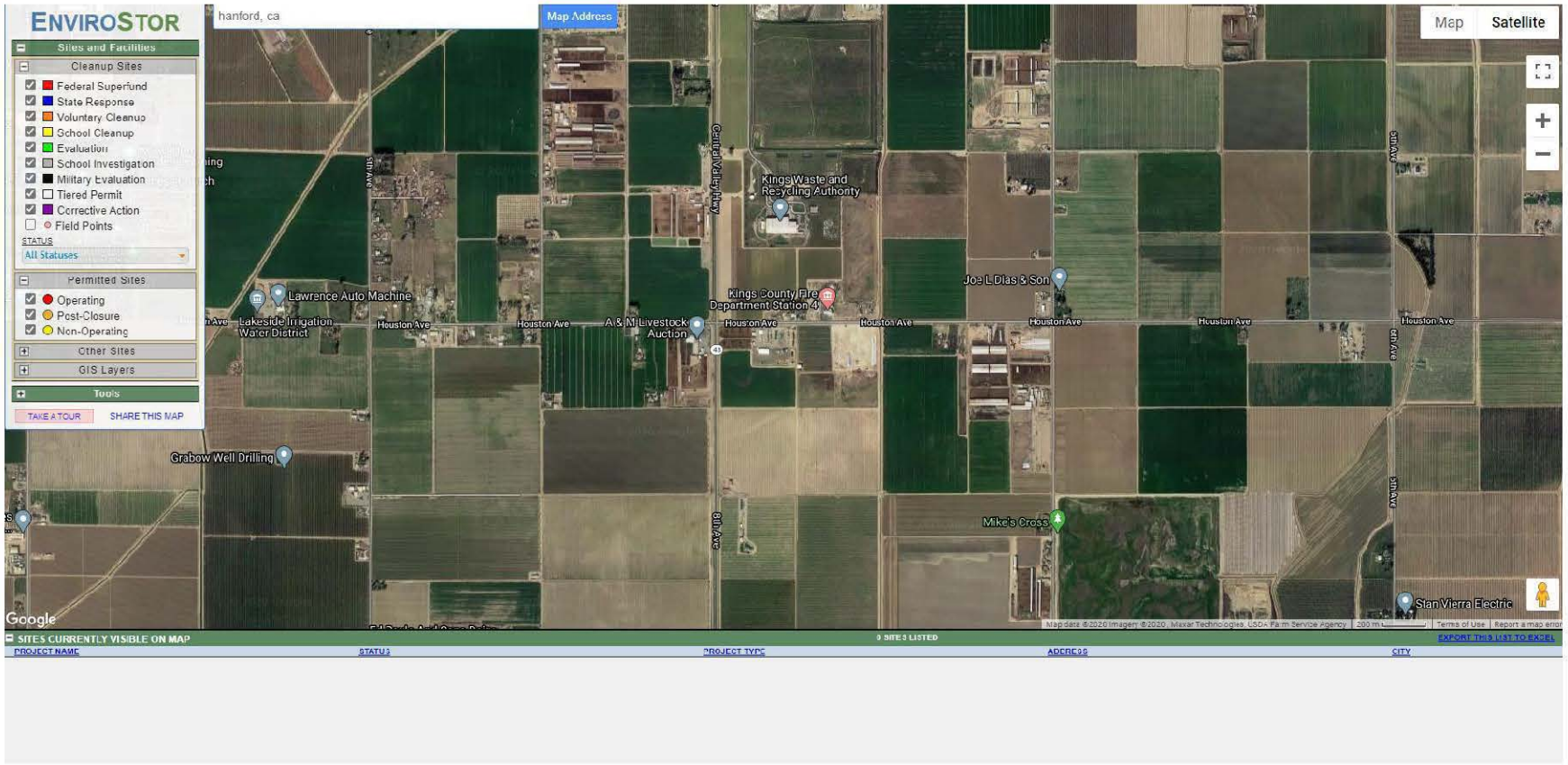
Appendix G

Department of Toxic Substances Control

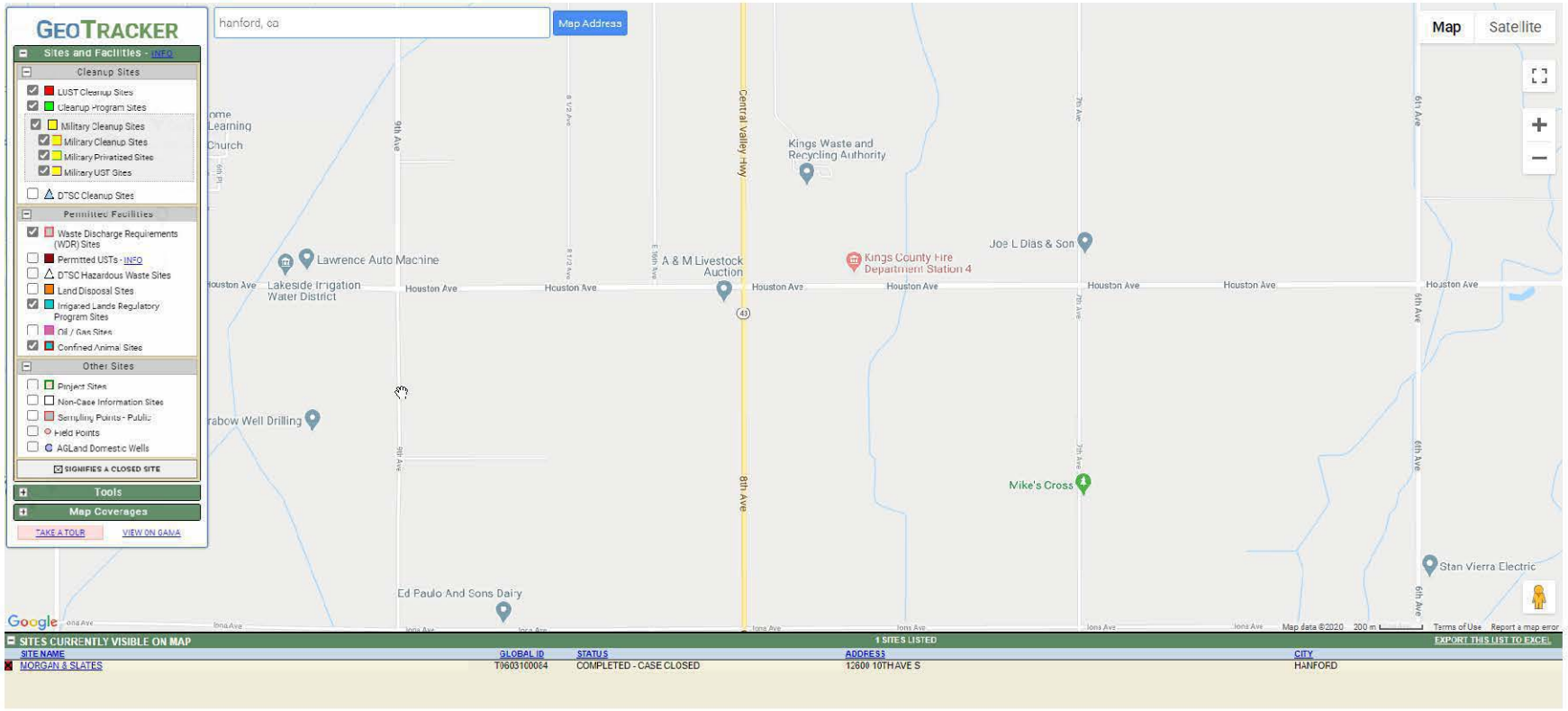
Department of Toxic Substances Control – EnviroStor (http://www.envirostor.dtsc.ca.gov/public/)



Appendix H

Regional Water Quality Control Board

Regional Water Quality Control Board – Geotracker (http://geotracker.waterboards.ca.gov/default.asp)



Appendix I

San Joaquin Valley Air Pollution Control District

Stephanie Gillaspy

From: Public Records Coordinator <Public.RecordsCoordinator@valleyair.org>
Sent: Monday, August 10, 2020 4:24 PM
To: Stephanie Gillaspy
Cc: See Thao; Diseree Alvarez
Subject: Public Records Request C-2020-8-29; Kings County Fire Station

August 10, 2020

Stepanie Gillaspy
Provost & Pritchard Consulting
2505 Alluvial Ave.
Clovis, CA 93611

SUBJECT: Public Records Request C-2020-8-29; Kings County Fire Station

Dear Stepanie Gillaspy:

The San Joaquin Valley Air Pollution Control District has received your Public Records Request and it is currently being processed.

Should you have any questions, please contact me at the phone number or email provided below. When calling or emailing please include the control number assigned to the request, C-2020-8-29.

Respectfully,

Brittney Thompson
Senior Office Assistant & Public Records Coordinator San Joaquin Valley Air Pollution Control District
P: 559-230-6086 F: 559-230-6061
Service*Teamwork*Attitude*Respect

San Joaquin Valley
Air Pollution Control District

FILE

Notice - Administrative Changes to Your Permit to Operate

Enclosed is the updated permit for your facility. Please note that your permit conditions have been updated to conform with the latest amendments to District Rule 4622 (Gasoline Transfer into Motor Vehicle Fuel Tanks).

Thank you for your cooperation in this matter. If you have any questions, please contact the District's Small Business Assistance Office at (559) 230-5888.

David L. Crow
Executive Director/Air Pollution Control Officer

Northern Region Office
4230 Kiernan Avenue, Suite 130
Modesto, CA 95356-9322
(209) 557-6400 • FAX (209) 557-6475

Central Region Office
1990 East Gettysburg Avenue
Fresno, CA 93726-0244
(559) 230-6000 • FAX (559) 230-6061
www.valleyair.org

Southern Region Office
2700 M Street, Suite 275
Bakersfield, CA 93301-2373
(661) 326-6900 • FAX (661) 326-6985

FILE

San Joaquin Valley
Air Pollution Control District

Permit to Operate

FACILITY: C-2116 **EXPIRATION DATE:** 09/30/2008

LEGAL OWNER OR OPERATOR: KINGS COUNTY FIRE DEPARTMENT
MAILING ADDRESS: 1400 W LACEY BLVD
HANFORD, CA 93230

FACILITY LOCATION: 17160 S TENTH AVE
HANFORD, CA 93230

FACILITY DESCRIPTION: FIRE STATION

The Facility's Permit to Operate may include Facility-wide Requirements as well as requirements that apply to specific permit units.

This Permit to Operate remains valid through the permit expiration date listed above, subject to payment of annual permit fees and compliance with permit conditions and all applicable local, state, and federal regulations. This permit is valid only at the location specified above, and becomes void upon any transfer of ownership or location. Any modification of the equipment or operation, as defined in District Rule 2201, will require prior District approval. This permit shall be posted as prescribed in District Rule 2010.

David L. Crow
Executive Director / APCO

Seyed Sadredin
Director of Permit Services

Sep 9 2003 10:03AM – GUTIERRE

FILE

San Joaquin Valley
Air Pollution Control District

PERMIT UNIT: C-2116-2-0 **EXPIRATION DATE:** 09/30/2008

EQUIPMENT DESCRIPTION:
ONE 1,000 GALLON (500 GALLON GASOLINE/500 GALLON DIESEL) CONVAULT ABOVEGROUND STORAGE TANK SERVED BY TWO-POINT PHASE I VAPOR RECOVERY SYSTEM (G-70-142-B) AND ONE FUELING POINT WITH ONE PHASE II EXEMPT GASOLINE DISPENSING NOZZLE

PERMIT UNIT REQUIREMENTS

1. The Phase I vapor recovery system and its components shall be operated and maintained in accordance with the state certification requirements. [District Rule 4621]
2. No gasoline delivery vessel shall be operated or be allowed to operate unless valid State of California decals are displayed on the cargo tank which attest to the vapor integrity of the tank. [District Rule 4621]
3. Total gasoline throughput for the facility shall not exceed either of the following: 10,000 gallons in any consecutive 30-day period or 24,000 gallons per calendar year. If throughput exceeds stated limits, the permittee shall notify the district within 30 days and a certified Phase II vapor recovery system shall be installed. [District Rule 4622]
4. Permittee shall maintain records of monthly gasoline throughput. Records shall be retained as long as exempt status is claimed and made available to the District upon request. [District Rules 1070 and 4622]

FILE

San Joaquin Valley
Unified Air Pollution Control District

PERMIT TO OPERATE

PERMIT NO: C-2116-2-0 **EXPIRATION DATE:** 09/30/1998

LEGAL OWNER OR OPERATOR: KINGS COUNTY FIRE DEPARTMENT
MAILING ADDRESS: 1400 W LACEY BLVD
HANFORD, CA 93230

LOCATION: 17160 S TENTH AVE, HANFORD

EQUIPMENT DESCRIPTION:
1,000 GALLON ABOVEGROUND CONVAULT FUEL STORAGE TANK WITH 500 GALLON GASOLINE AND 500 GALLON DIESEL COMPARTMENTS SERVED BY PHASE I VAPOR RECOVERY SYSTEM (G-70-116-B) WITH ONE GASOLINE DISPENSING NOZZLE. EXEMPTED FROM PHASE II REQUIREMENT.

CONDITIONS

1. The vapor recovery system and its components shall be installed, operated, and maintained in accordance with the State certification requirements.
2. Total gasoline throughput for the facility shall not exceed 10,000 gallons per month nor 24,000 gallons per calendar year.
3. If the facility gasoline throughput should exceed 24,000 gallons per calendar year, a District-permitted and ARB-approved Phase II vapor recovery system shall be installed in accordance with Rule 4622 (Transfer of Gasoline into Vehicle Fuel Tanks).
4. Records on daily gasoline throughput shall be maintained on-site and made available to the District upon request.

ES Reviewed 5/15/97

This Permit to Operate remains valid through the permit expiration date listed above, subject to payment of annual permit fees and compliance with permit conditions and all applicable local, state, and federal regulations. This permit is valid only at the location specified above, and becomes void upon any transfer of ownership or location. Any modification of the equipment or operation, as defined in District Rule 2201, will require a new permit. This permit shall be posted as prescribed in District Rule 2010.

DAVID L. CROW
Executive Director/APCO

Central Regional Office * 1999 Tuolumne, Suite 200 * Fresno, California 93721 * (209)497-1000 * FAX (209) 233-2203

San Joaquin Valley
Unified Air Pollution Control District

APPLICATION FOR:

[ ] AUTHORITY TO CONSTRUCT (ATC)
[ ] ATC MODIFICATION
[XX] PERMIT TO OPERATE (PTO)

CANCELLED

1. PERMIT TO BE ISSUED TO:
Kings County Fire Department (Guernsey Station)

2. MAILING ADDRESS:
Street/P.O. Box: 1400 W. Lacey Blvd.
City: Hanford State: CA Zip Code: 93230

3. LOCATION WHERE THE EQUIPMENT WILL BE OPERATED:
Street: 17160 - 10th Ave.
City: Hanford CA 93230

WITHIN 1000 FT. OF A SCHOOL? [ ] YES [x] NO

REQUEST COMMUNITY BANK OFFSETS? [ ] YES [ ] NO

4. GENERAL NATURE OF BUSINESS: Fire Station

5. EQUIPMENT FOR WHICH APPLICATION IS MADE (Include Permit Nos. if known):
Convault above ground 500 gallon gasoline storage tank. INSTALLED 1987

(Use additional sheets if necessary)

6. HAVE YOU EVER APPLIED FOR AN ATC OR PTO IN THE PAST? [ ] YES [x] NO ATC/PTO No.:

7. IS THE PROPERTY ZONED PROPERLY FOR THE PROPOSED USE? [x] YES [ ] NO

8. IS THIS APPLICATION SUBMITTED AS A RESULT OF AN NOV/NTC? [ ] YES [x] NO NOV/NTC No.:

9. SIGNATURE OF APPLICANT: Albert L. Osteen

TYPE OR PRINT TITLE OF APPLICANT: Fire Chief

10. TYPE OR PRINT NAME OF APPLICANT: Albert L. Osteen

DATE: 4-11-94

TELEPHONE NO: (209) 582-3211 Ext. 2881

FOR APCD USE ONLY:

DATE STAMP
RECEIVED
APR 27 1994
SJVUAPCD

FILING FEE RECEIVED: $ Acct. ck 01-333834 $60 ea SF

DATE PAID:

PROJECT NO.: 940227

Facility ID# 2116

EVR

San Joaquin Valley Unified Air Pollution Control District

APPLICATION FOR:

[ ] AUTHORITY TO CONSTRUCT (ATC)
[ ] ATC MODIFICATION
[ ] PERMIT TO OPERATE (PTO)

1. **PERMIT TO BE ISSUED TO:**
   Kings County Fire Department Station 8

2. **MAILING ADDRESS:**
   Street/P.O. Box: 1400 W. Lacey Blvd.
   City: Hanford State: CA Zip Code: 93230

3. **LOCATION WHERE THE EQUIPMENT WILL BE OPERATED:**
   Street: 17160 S. 10th Ave.
   City: Hanford

   WITHIN 1000 FT. OF A SCHOOL? [ ] YES [X] NO

   REQUEST COMMUNITY BANK OFFSETS? [ ] YES [X] NO

4. **GENERAL NATURE OF BUSINESS:** Fire Station

5. **EQUIPMENT FOR WHICH APPLICATION IS MADE (Include Permit Nos. if known):**
   500 gallon Con Vault above ground
   250 gallon gas; 250 gallon diesel (combined 1 tank)
   500 500

   (Use additional sheets if necessary)

6. **HAVE YOU EVER APPLIED FOR AN ATC OR PTO IN THE PAST?** [ ] YES [X] NO ATC/PTO No.:

7. **IS THE PROPERTY ZONED PROPERLY FOR THE PROPOSED USE?** [X] YES [ ] NO

8. **IS THIS APPLICATION SUBMITTED AS A RESULT OF AN NOV/NTC?** [ ] YES [X] NO NOV/NTC No.:

9. **SIGNATURE OF APPLICANT:** Albert L. Cotner
   TYPE OR PRINT TITLE OF APPLICANT: Fire Chief

10. **TYPE OR PRINT NAME OF APPLICANT:** Albert L. Cotner
    DATE: 10-4-93
    TELEPHONE NO: (209) 582-3211 Ext. 2883

FOR APCD USE ONLY:

DATE STAMP
RECEIVED
OCT 05 1993
San Joaquin Valley Unified Air Pollution Control District

FILING FEE RECEIVED: $ 0

DATE PAID:

PROJECT NO.: 930431

Computer # KINTTHA
Facility ID # 2116

San Joaquin Valley Unified Air Pollution Control District
Supplemental Application Form

GASOLINE DISPENSING

This form must be accompanied by a completed Application for Authority to Construct and Permit to Operate form.

PERMIT TO BE ISSUED TO:
Kings County Fire Department

LOCATION WHERE THE EQUIPMENT WILL BE OPERATED:
17160 S. 10th Ave. Hanford CA 93230

CARB EXECUTIVE ORDER CERTIFICATION

	Type	Executive Order No.
Phase I		G-
Phase II		G-

PHASE I VAPOR RECOVERY EQUIPMENT DESCRIPTION

Component	Manufacturer	Model Number
Fill Adapter		
Liquid Fill Cap		
Vapor Fill Cap		
Vapor Adapter		
Drop-Tube		
Extractor Assembly		
Float Vent Valve		
Pressure/Vacuum Relief Valve		
Overfill Protection		
(List Any Additional Components Required)		

Please Continue on Reverse Side

PHASE II VAPOR RECOVERY EQUIPMENT DESCRIPTION

Component	Manufacturer	Model Number
Nozzle		
Swivel		
Flow Limiter		
Vapor Check Valve		
Coaxial Hose		
Extractor Assembly		
Breakaway Fitting		
Dispenser		
(List Any Additional Components Required)		

Total Number of Gasoline Dispensing Nozzles *(Do Not Include Diesel)*	One

STORAGE TANKS DESCRIPTION

Tank Number	Type	Storage Capacity (gallons)	Type of Fuel
	[ ] Underground [x] Aboveground	250 gallons	gasoline
	[ ] Underground [ ] Aboveground		
	[ ] Underground [ ] Aboveground		
	[ ] Underground [ ] Aboveground		

ADDITIONAL INFORMATION

1. Attach a copy of the site plan.

2. Number of Vapor Recovery Instruction Signs: None

3. Complete a separate form for each tank and dispensing system if they have a different type of Phase I and Phas vapor recovery system.

4. Maximum gasoline throughput in any one month (gallons): 100 gallons

   Maximum gasoline throughput per calendar year (gallons): 1200 gallons

San Joaquin Valley Unified Air Pollution Control District
Supplemental Application Form

RECEIVED
OCT 20 1994
San Joaquin Valley Unified Air Pollution Control District

GASOLINE DISPENSING

This form must be accompanied by a completed Application for Authority to Construct and Permit to Operate form.

PERMIT TO BE ISSUED TO:	Kings County Fire Department 1400 W. Lacey Blvd. Hanford CA 93230
LOCATION WHERE THE EQUIPMENT WILL BE OPERATED:	17160 - 10th Ave. Hanford CA 93230

CARB EXECUTIVE ORDER CERTIFICATION

	Type	Executive Order No.
Phase I		G-
Phase II		G-

PHASE I VAPOR RECOVERY EQUIPMENT DESCRIPTION

Component	Manufacturer	Model Number
Fill Adapter	Dover Corp/OPW	633-T
Liquid Fill Cap	Dover Corp/OPW	634-TT-4
Vapor Fill Cap	Dover Corp/OPW	1711-T-3
Vapor Adapter	Dover Corp/OPW	1611-AV
Drop-Tube	Dover Corp/OPW	
Extractor Assembly		
Float Vent Valve	OPW	749
Pressure/Vacuum Relief Valve		
Overfill Protection		
(List Any Additional Components Required)		

Please Continue on Reverse Side

PHASE II VAPOR RECOVERY EQUIPMENT DESCRIPTION

Component	Manufacturer	Model Number
Nozzle		
Swivel		
Flow Limiter		
Vapor Check Valve		
Coaxial Hose		
Extractor Assembly		
Breakaway Fitting		
Dispenser		
(List Any Additional Components Required)		

Total Number of Gasoline Dispensing Nozzles *(Do Not Include Diesel)*	One

STORAGE TANKS DESCRIPTION

Tank Number	Type	Storage Capacity (gallons)	Type of Fuel
410289	[ ] Underground [X] Aboveground	500	gasoline
	[ ] Underground [ ] Aboveground		
	[ ] Underground [ ] Aboveground		
	[ ] Underground [ ] Aboveground		

ADDITIONAL INFORMATION

1. Attach a copy of the site plan.

2. Number of Vapor Recovery Instruction Signs:_____

3. Complete a separate form for each tank and dispensing system if they have a different type of Phase I and P vapor recovery system.

4. Maximum gasoline throughput in any one month (gallons): 500 gallons

   Maximum gasoline throughput per calendar year (gallons): 600 gallons

SAN JOAQUIN VALLEY UNIFIED AIR POLLUTION CONTROL DISTRICT

1990 E. Gettysburg Ave., Fresno, CA 93726 **NON-CORE**

(559) 230 - 6000

WORKSHEET FOR THE ANNUAL EMISSION INVENTORY : 2004

RECEIVED

APR 1 4 2005

Permits Srvc
SJVAPCD

KINGS COUNTY FIRE DEPARTMENT

1400 W LACEY BLVD

HANFORD CA, 93230

FACILITY ID# : **C-2116**

TAD #:

SIC #:

PHONE #: #Error

TOXID:

SITE ADDRESS : 17160 S TENTH AVE, HANFORD

Is this information considered;

[ ] **CONFIDENTIAL**
[✓] **NOT CONFIDENTIAL**

Note: All requests for confidentiality must be supported by a written justification (Title 17, section 91010, California Administrative Code)

WorkSheet for Permit # : C-2116-2-0

ONE 1,000 GALLON (500 GALLON GASOLINE/500 GALLON DIESEL) CONVAULT ABOVEGROUND STORAGE TANK SERVED BY TWO-POINT PHASE I VAPOR RECOVERY SYSTEM (G-70-142-B) AND ONE FUELING POINT WITH ONE PHASE II EXEMPT GASOLINE DISPENSING NOZZLE

GASOLINE DISPENSING

Annual Throughput Rates

Gallons of Gasoline Dispensed:_____

Distance to Nearest Home:_____ **(feet)**

Distance to Nearest Business:_____ **(feet)**

Comments:_____

This Location has been closed / Tank removed —

FACILITY WIDE RELATIVE MONTHLY ACTIVITY

If the facility has the same operating schedule year round, then please check the box next to the Default Monthly Activity. Otherwise provide the relative monthly activity expressed in percentage that the facility operates each month. Note: 100%/12 =8.3%.

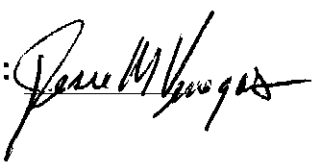
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
☐ DEFAULT MONTHLY ACTIVITY	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3
MONTHLY RELATIVE ACTIVITY												

Daily Activity

Please indicate with a circles the normal operating schedule:

Hours per day: 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24

Days per week: Sunday Monday Tuesday Wednesday Thursday Friday Saturday

Signature:  **Date :** 3/31/05

General Information

1. Has the Emission Factor for any Permited Unit changed in the previous year (source test or modified / corrected permit emission factor)? Please List:

Permit Number :	Pollutant :	Emission Factor :	Units :

2. Were any malfunctions or breakdowns of process or control equipment experienced which effect emissions ?

☐ **Yes** Duration of Event(s) :

☐ **No**

Describe malfunction/breakdown quantity of emission and pollutant emitted :

Questionnaire Answered By, Title	BATTALION CHIEF
Signature	Jesse M Venegas
Telephone Number	()-559-582-3211 EX 2883
Contact Person	JESSE M. VENEGAS
Telephone Number	()-559-582-3211 EX 2883

SAN JOAQUIN VALLEY UNIFIED AIR POLLUTION CONTROL DISTRICT

[ ] Northern Region Office
4320 Kiernan Ave., Suite 130
Modesto, CA 95356-9321
(209) 557-6400

[X] Central Region Office
1990 E. Gettysburg Ave.
Fresno, CA 93726-0244
(559) 230-5950

[ ] Southern Region Office
2700 M. St., Suite 275
Bakersfield, CA 93301-2370
(661) 326-6900

Gasoline Vapor Recovery Inspection Form

Station Name: Kings County Fire Department PTO: C-2116

Location: 7622 Houston Ave City: Hanford Phone #

Contact: Title:

Inspection Type: [X] Compliance [ ] Complaint [ ] Start Up Start Up Date: Test Date:

Phase I System Type: 2pt. Phase II System Type: Exempt Number of Nozzles: 1

Tank Number	1	2	3	4
Product Type				
Location				
1. Broken/Missing Vapor Cap				
2. Broken/Missing Fill Cap				
3. Vapor Caps Not Seated				
4. Fill Caps Not Seated				
5. Vapor Cap Gasket Missing				
6. Fill Cap Gasket Missing				
7. Vapor Adapter Rotate				
8. Fill Adapter Rotate				
9. Adapter Loose Fill / Vapor				
10. Poppet Valve Defective				
11. Poppet Valve Gasket Missing				
12. Pressure Vacuum Relief Valve				
13. Drain Valve Broken / Missing				
Tank Size				
Tank Depth				
Fill Tube Length				
Difference (6" or Less)				

Phase I Report: Check marks indicate component deficiencies

O & M Manual On-site: YES / NO

Nozzle Number								
Product Type								
Nozzle Type								
1. Nozzle								
2. Insertion Interlock								
3. Check Valve								
4. Face Plate/Seal								
5. Ring/Rivet								
6. Bellows / VEG								
7. Bellows Clamp/Wire								
8. Swivel (s)								
9. Hold Open Latch								
10. Hose								
11. Hose Configuration								
12. Liquid Removal System								
13. GPM								

[ ] Incinerator Function [ ] System Pressure [ ] Signs Posted (X=Deficiency)

KEY FOR DEFICIENCIES
AD=Adjustment, B=Broken, F=Flat, FR=Frayed, K=Kinked, L=Long, LO=Loose, M=Missing, MA=Misaligned, NC=Not Certified, S=Short, TO=Torn, 100=Over 100mls in hose

Inspection Results								

Phase II Report: 7 = repair within 7 days, T = Tagged out of order until repaired, U = Taggable violation corrected during inspection

Self Inspection Records: YES / NO

Comments: Discussed phase I deficiencies.

Inspector: Robert Vinson Date: 2/1/06 Received By:

When repairs are complete call: ( )

Note: **CA Health & Safety Code, Section 41960.2 (a) - Maintenance of Installed Systems. (e) requires that the above listed 7-day deficiencies be repaired within 7 days. Failure to do so will result in legal action.**

Revised 7/13/04 LLL

SAN JOAQUIN VALLEY UNIFIED AIR POLLUTION CONTROL DISTRICT

1990 E. Gettysburg Ave., Fresno, CA 93726

(559) 230 - 6000

NON-CORE

RECEIVED

FEB 2 3 2006

Permits Sec
SJVAPCD

WORKSHEET FOR THE ANNUAL EMISSION INVENTORY : 2005

KINGS COUNTY FIRE DEPARTMENT

280 N CAMPUS DR

HANFORD CA, 93230

FACILITY ID# : C-2116
TAD #:
SIC #:

PHONE #: #Error

TOXID:
US Form Required: No

SITE ADDRESS : 7622 HOUSTON AVE, HANFORD

Is this information considered;

[ ] CONFIDENTIAL
[X] NOT CONFIDENTIAL

Note: All requests for confidentiality must be supported by a written justification (Title 17, section 91010, California Administrative Code)

WorkSheet for Permit # : C-2116-2-1

ONE 1,000 GALLON (500 GALLON GASOLINE/500 GALLON DIESEL) CONVAULT ABOVEGROUND STORAGE TANK SERVED BY TWO-POINT PHASE I VAPOR RECOVERY SYSTEM (G-70-142-B) AND ONE FUELING POINT WITH ONE PHASE II EXEMPT GASOLINE DISPENSING NOZZLE

GASOLINE DISPENSING

Annual Throughput Rates

Gallons of Gasoline Dispensed: 998

Distance to Nearest Home: 300 **(feet)**

Distance to Nearest Business: 700 **(feet)**

Comments: Located in a rural area -

Facility Wide Relative Monthly Activity

If the facility has the same operating schedule year round, then please check the box next to the Default Monthly Activity. Otherwise provide the relative monthly activity expressed in percentage that the facility operates each month. Note: 100%/12 =8.3%.

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
X DEFAULT MONTHLY ACTIVITY	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3
MONTHLY RELATIVE ACTIVITY												

Daily Activity

Please indicate with a circles the normal operating schedule:

Hours per day: 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 (24)

Days per week: (Sunday Monday Tuesday Wednesday Thursday Friday Saturday)

General Information

Were any malfunctions or breakdowns of process or control equipment experienced which effect emissions ?

☐ **Yes** Duration of Event(s) :

☒ **No**

Describe malfunction/breakdown quantity of emission and pollutant emitted :

Responsible Official Information

Questionnaire Answered By, Title	Jesse M. Venegas
Telephone Number	() - 559-582-3211 Ex-2883
Responsible Official	Jesse M. Venegas
Responsible Official Telephone Number	() - 559-582-3211 Ex-2883
Responsible Official Signature	Jesse M Venegas
Date	8/21/06

SAN JOAQUIN VALLEY UNIFIED AIR POLLUTION CONTROL DISTRICT

1990 E. Gettysburg Ave., Fresno, CA 93726 **NON-CORE**

(559) 230 - 6000

WORKSHEET FOR THE ANNUAL EMISSION INVENTORY : 2003

KINGS COUNTY FIRE DEPARTMENT

1400 W LACEY BLVD

HANFORD CA, 93230

FACILITY ID# : **C-2116**

TAD #:

SIC #:

PHONE #: #Error

TOXID:

RECEIVED
FEB 3 2004
PERMIT SERVICES
SJVUAPCD

SITE ADDRESS : 17160 S TENTH AVE, HANFORD

Is this information considered;

[ ] **CONFIDENTIAL**
[X] **NOT CONFIDENTIAL**

Note: All requests for confidentiality must be supported by a written justification (Title 17, section 91010, California Administrative Code)

WorkSheet for Permit # : C-2116-2-0

ONE 1,000 GALLON (500 GALLON GASOLINE/500 GALLON DIESEL) CONVAULT ABOVEGROUND STORAGE TANK SERVED BY TWO-POINT PHASE I VAPOR RECOVERY SYSTEM (G-70-142-B) AND ONE FUELING POINT WITH ONE PHASE II EXEMPT GASOLINE DISPENSING NOZZLE

GASOLINE DISPENSING

Annual Throughput Rates:

Type of Tank: (X) **Aboveground** ( ) **Underground**

Type of Controls: (X) **Phase I** ( ) **Phase II**

Gallons of Gasoline Dispensed: 21,8

Comments:

FACILITY WIDE RELATIVE MONTHLY ACTIVITY

If the facility has the same operating schedule year round, then please check the box next to the Default Monthly Activity. Otherwise provide the relative monthly activity expressed in percentage that the facility operates each month. Note: 100%/12 =8.3%.

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
☒ DEFAULT MONTHLY ACTIVITY	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3
MONTHLY RELATIVE ACTIVITY												

Daily Activity

Please indicate with a circles the normal operating schedule:

Hours per day: 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 (24)

Days per week: (Sunday Monday Tuesday Wednesday Thursday Friday Saturday)

Signature: Michael Kinder **Date :** 1-30-04

General Information

1. Has the Emission Factor for any Permited Unit changed in the previous year (source test or modified / corrected permit emission factor)? Please List: NONE

Permit Number :	Pollutant :	Emission Factor :	Units :

2. Were any malfunctions or breakdowns of process or control equipment experienced which effect emissions ?

☐ Yes Duration of Event(s) :

☒ No

Describe malfunction/breakdown quantity of emission and pollutant emitted :

Questionnaire Answered By, Title FIRE MARSHAL	
Signature Michael Virden	
Telephone Number 589-582-3211 x 2884	( ) -
Contact Person MICHAEL VIRDEN	
Telephone Number SAME AS ABOVE	( ) -

San Joaquin Valley
Air Pollution Control District

Permit Renewal and Emission Inventory Questionnaire

Attached are questionnaire forms for annual process data for equipment that have received a Permit to Operate (PTO) from the District. The purpose of requesting this information is to update your facility records with the District, help expedite the renewal of your company's permit(s), and to collect data for the District's and State's emission inventories.

The information, which you supply to the District, must represent your operation for the 2003 calendar year only. Please note, the attached questionnaires are general in nature and not all questions on each questionnaire may apply to the permitted unit(s) listed. Only answer those questions that are applicable. Should there be inaccuracies in the equipment description or other information, please indicate any corrections on the questionnaire before returning it to the District.

Please return the questionnaire by May 3, 2004, to any of the addresses printed below. If you have any questions regarding the questionnaire, please contact Ms. Ester Davila at (559) 230-5885.

The District is interested in automating the Emissions Inventory process by providing facilities their Emissions Survey in electronic format. If you are interested in receiving your Survey in electronic format please check the format you prefer, how you would like it sent, and return this form with your Survey.

Format:

PDF:_____

Via:

Sent Regular Mail: _____ Sent by Email: ✓

Email Address: mvinden@co.kings.ca.us

David L. Crow
Executive Director/Air Pollution Control Officer

Northern Region Office
4230 Kiernan Avenue, Suite 130
Modesto, CA 95356-9322
(209) 557-6400 • FAX (209) 557-6475

Central Region Office
1990 East Gettysburg Avenue
Fresno, CA 93726-0244
(559) 230-6000 • FAX (559) 230-6061

Southern Region Office
2700 M Street, Suite 275
Bakersfield, CA 93301-2373
(661) 326-6900 • FAX (661) 326-6985

www.valleyair.org

San Joaquin Valley
AIR POLLUTION CONTROL DISTRICT

TP 201.3B
AST Static Pressure Performance Test Report Form

Permit Number: C-2116-2-1		Test Company: Franzen-Hill	
Site Name: Kings Co. Fire Depart.		Technician: Jesse Vera	
Site Address: 7622 Houston Ave.		Certification Number	Expiration Date
City: Hanford Ca.	Zip:	District: SJV-0107	
Date/Time of Test: 6.6.2011 @ 11:00 am.		No show	

TEST INFORMATION			
Total number of nozzles: 1		Are the tanks manifolded? ☐ Yes X No	
Phase I vapor recovery system executive order (as referenced on Permit to Operate)			AST- G-70-52
Phase I vapor recovery system configuration	X 2-point	☐ coaxial	
Phase II vapor recovery system executive order (as referenced on Permit to Operate)			N/A
Nitrogen introduction point	X Phase I vapor coupler	☐ Phase I vent line	Phase II vapor riser
Pressure measuring device	☐ incline manometer	X digital manometer	☐ mechanical gauge
Calibration date for pressure measuring device (must be within 90 days of the test)			6.1.11
Ending value for digital manometer drift test if applicable (must be 0.01 in. w.c. or less)			0.00
Nitrogen introduction flow rate, F (must be between 1 and 5 CFM)			2 CFM
Number of hoses with over 100 ml (balance hoses must be drained prior to testing)			N/A

TANK INFORMATION					
Tank No:	1	2	3	4	ALL
Product grade	87				
Actual tank capacity (gallons)	500				
Gasoline volume (gallons)	150				
Ullage (gallons)[1]	350				
If tanks are not manifolded, number of nozzles	1				

2 IN. W.C. STATIC PRESSURE TEST					
Test No.	1	2	3	4	5
Start time	11:00 am.				
Initial Pressure, inches of water column (in. w.c.)	2.00" wc.				
Pressure at one minute, in. w.c.	2.00				
Pressure at two minutes, in. w.c.	2.01				
Pressure at three minutes, in. w.c.	2.02				
Pressure at four minutes, in. w.c.	2.02				
Pressure at five minutes, in. w.c.	2.03				
Allowable minimum pressure, In. w.c.	.23				
Pass / Fail	Pass				

NOTE: [1]**The minimum ullage during the test shall be 25 percent of the tank capacity or 300 gallons, whichever is greater.**

I declare, under penalty of perjury under the laws of the state of California that based on information and belief formed after reasonable inquiry, the statements and information provided in the document are true, accurate, and complete.

Signature of Technician: _Jesse Vera /_____ Date: _____6.6.2011_____

Ver. 1.0 - 12.26.07

This fax was sent with GFI FAXmaker fax server. For more information, visit: http://www.gfi.com

SAN JOAQUIN VALLEY UNIFIED AIR POLLUTION CONTROL DISTRICT

1990 E. Gettysburg Ave., Fresno, CA 93726

(559) 230 - 6000

RECEIVED
JAN 27 2003
Permit Services
SJVAPCD

WORKSHEET FOR THE ANNUAL EMISSION INVENTORY : 2002

KINGS COUNTY FIRE DEPARTMENT

1400 W LACEY BLVD

HANFORD CA, 93230

FACILITY ID# : **16-2116**

TAD #:

SIC #: 9224
PHONE #: (209) 582-3211
TOXID:

SITE ADDRESS : 17160 S TENTH AVE, HANFORD

Is this information considered;

[ ] **CONFIDENTIAL**
[X] **NOT CONFIDENTIAL**

Note: All requests for confidentiality must be supported by a written justification (Title 17, section 91010, California Administrative Code)

WorkSheet for Permit # : C-2116-2-0

1,000 GALLON ABOVEGROUND CONVAULT FUEL STORAGE TANK WITH 500 GALLON GASOLINE AND 500 GALLON DIESEL COMPARTMENTS SERVED BY PHASE I VAPOR RECOVERY SYSTEM (G-70-116-B) WITH ONE GASOLINE DISPENSING NOZZLE. EXEMPTED FROM PHASE II REQUIREMENT.

GASOLINE DISPENSING

Annual Throughput Rates:

Type of Tank: (X) **Aboveground** ( ) **Underground**

Type of Controls: (X) **Phase I** ( ) **Phase II**

Gallons of Gasoline Dispensed: 0

Comments: GASOLINE NOT BEING USED AT THIS TIME. TANK WILL BE RE-LOCATED IN LATE 2003

Facility Totals

CAS	Pollutant Name	Emissions			
16113	Reactive Organic Gas	8.60E-03	TONS-YR	9.48E-07	TONS-HR
71432	Benzene	5.16E-02	LB-YR	5.69E-06	LB-HR
108883	Toluene	1.38E+00	LB-YR	1.52E-04	LB-HR
1330207	Xylenes (mixed)	4.13E-01	LB-YR	4.55E-05	LB-HR

MT = Metric Ton = 2,204.6 pounds

Facility Emissions Summary

Inventory Year: **2011**

County: **16**

Facility ID: **2116**

Facility Name: **KINGS COUNTY FIRE DEPARTMENT**

Device: 2 **Device Name: Gasoline Dispensing Operation**

Process: 1 **Process Description: Aboveground Tank Filling Loss**

Process Rate: 1.81E+00 **Units: 1000 GALLONS THROUGHPUT**

CAS	Pollutant	Emission Factor	Yearly Emissons	Hourly Emissions	Memo	1/2 App Deg
71432	Benzene	1.26E-03	2.29E-03	2.52E-07	CARB Emission Factor (0.00126lb/1000gal)	5
16113	Reactive Organic Gas	4.20E-01	3.81E-04	4.20E-08	CARB Emission Factor (0.42lb/1000gal)	
108883	Toluene	3.36E-02	6.10E-02	6.72E-06	CARB Emission Factor (0.0336lb/1000gal)	50
1330207	Xylenes (mixed)	1.01E-02	1.83E-02	2.02E-06	CARB Emission Factor (0.0101lb/1000gal)	

Process: 2 **Process Description: Vehicle Fueling**

Process Rate: 1.81E+00 **Units: 1000 GALLONS TRANSFERRED**

CAS	Pollutant	Emission Factor	Yearly Emissons	Hourly Emissions	Memo	1/2 App Deg
71432	Benzene	2.52E-02	4.57E-02	5.04E-06	CARB Emission Factor (0.0252lb/1000gal)	5
16113	Reactive Organic Gas	8.40E+00	7.62E-03	8.40E-07	CARB Emission Factor (8.4lb/1000gal)	
108883	Toluene	6.72E-01	1.22E+00	1.34E-04	CARB Emission Factor (0.672lb/1000gal)	50
1330207	Xylenes (mixed)	2.02E-01	3.66E-01	4.03E-05	CARB Emission Factor (0.2016lb/1000gal)	

Note: Toxic emissions are reported in pounds, criteria emissions in tons, and greenhouse gas emissions in metric tons.

Process: 3 **Process Description: Process Spillage**

Process Rate: 1.81E+00 **Units: 1000 GALS PUMPED**

CAS	Pollutant	Emission Factor	Yearly Emissons	Hourly Emissions	Memo	1/2 App Deg
71432	Benzene	1.83E-03	3.32E-03	3.66E-07	CARB Emission Factor (0.00183lb/1000gal)	5
16113	Reactive Organic Gas	6.10E-01	5.53E-04	6.10E-08	CARB Emission Factor (0.61lb/1000gal)	
108883	Toluene	4.88E-02	8.85E-02	9.76E-06	CARB Emission Factor (0.0488lb/1000gal)	50
1330207	Xylenes (mixed)	1.46E-02	2.66E-02	2.93E-06	CARB Emission Factor (0.01464lb/1000gal)	

Process: 4 **Process Description: Aboveground Tank Breathing Loss**

Process Rate: 1.81E+00 **Units: 1000 GALLONS THROUGHPUT**

CAS	Pollutant	Emission Factor	Yearly Emissons	Hourly Emissions	Memo	1/2 App Deg
71432	Benzene	1.59E-04	2.88E-04	3.18E-08	CARB Emission Factor (0.000159lb/1000gal)	5
16113	Reactive Organic Gas	5.30E-02	4.81E-05	5.30E-09	CARB Emission Factor (0.053lb/1000gal)	
108883	Toluene	4.24E-03	7.69E-03	8.48E-07	CARB Emission Factor (0.00424lb/1000gal)	50
1330207	Xylenes (mixed)	1.27E-03	2.31E-03	2.54E-07	CARB Emission Factor (0.001272lb/1000gal)	

Note: Toxic emissions are reported in pounds, criteria emissions in tons, and greenhouse gas emissions in metric tons.

County Code: 16

BCODE: 7 Region: C Facility ID: 2116 YEAR: 2011 FSIC: 9224 NEMP:

COORD_SYS: 0
X_USERCOORD: 0
Y_USERCOORD: 0

Status:
Email: rick.smith@co.kings.ca.us

FACU_D: 6/18/2012 2:59:00 PM

FACD1:
FACD2:
FAC_UPDATE:

FNAME: KINGS COUNTY FIRE DEPARTMENT
FSTREET: 7622 HOUSTON AVE
FCITY: HANFORD
FZIP: 93230

AREAC: 559
PHONE: 852-2885

PCONTACT: Rick Smith

MCONTACT: Rick Smith
MNAME: KINGS COUNTY FIRE DEPARTMENT
MSTREET: 280 N CAMPUS DR
MCITY: HANFORD
MSTATE: CA
MZIP: 93230

memo_fac:

Sunday: 24 Monday: 24 Tuesday: 24 Wednesday: 24 Thursday: 24 Friday: 24 Saturday: 24

IPermit#: 2 SurveyType: Gasoline Dispensing Operation [tblOnline Survey].Typ 1 Conf: True
Units1: Gallons Process Rate1: 1814
Units2: Gasoline Process Rate2: 0
School_Dist: Bus_Dist: 300 Res_Dist: 700

Franzen-Hill

To: Attn: Jennifer

From:

Message:

Julia Cardoza
Compliance Coordinator
Franzen-Hill
Phone: 559-688-2977 Ext.3001
Fax: 559-688-1467
Email: jcardoza@franzenhill.com

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Letter of Transmittal

Franzen-Hill Corporation

1100 North J. Street
Tulare, CA 93274
Phone: (559) 688-2977 Ext. 3001
Fax: (559) 688-1467
1-800-655-3436
Email: jcardoza@franzenhill.com

Organization:	SJVAPCD
Name:	Jennifer Sitton
Fax:	559-230-6062
Phone:	559-230-5900
From:	Julia Cardoza
Date:	06/11/14
Subject:	Test Results
Pages:	2- Including Cover

Comments:

Jennifer –

Please find the attached test results for the following site:

Site ID: C-2116-2-1
Kings County Fire Dept.
7622 Houston Ave.
Hanford, Ca.
Confirmation:

If you should have any questions or comments please let me know.

Respectfully,

Julia Cardoza

Compliance Coordinator

This fax was sent with GFI FAXmaker fax server. For more information, visit: http://www.gfi.com

San Joaquin Valley
AIR POLLUTION CONTROL DISTRICT

TP 201.3B
AST Static Pressure Performance Test Report Form

Permit Number: C-2116-2-1		Test Company: Franzen-Hill	
Site Name: Kings County Fire Department		Technician: James Flowers	
Site Address: 7622 Houston Ave		Certification Number	Expiration Date
City: Hanford Ca,	Zip: 93230	District: SJV-0257	9-30-14
Date/Time of Test: 6-10-14			

TEST INFORMATION				
Total number of nozzles: 1			Are the tanks manifolded? ☐ Yes X No	
Phase I vapor recovery system executive order (as referenced on Permit to Operate)				AST-G-70-52
Phase I vapor recovery system configuration	X 2-point		☐ coaxial	
Phase II vapor recovery system executive order (as referenced on Permit to Operate)				N/A
Nitrogen introduction point	X Phase I vapor coupler		☐ Phase I vent line	Phase II vapor riser
Pressure measuring device	☐ incline manometer	X digital manometer		☐ mechanical gauge
Calibration date for pressure measuring device (must be within 90 days of the test)				5-29-14
Ending value for digital manometer drift test if applicable (must be 0.01 in. w.c. or less)				0.00
Nitrogen introduction flow rate, F (must be between 1 and 5 CFM)				2 CFM
Number of hoses with over 100 ml (balance hoses must be drained prior to testing)				None

TANK INFORMATION					
Tank No.	1	2	3	4	ALL
Product grade	87				
Actual tank capacity (gallons)	500 gal				
Gasoline volume (gallons)	125				
Ullage (gallons)[1]	375				
If tanks are not manifolded, number of nozzles	1				

2 IN. W.C. STATIC PRESSURE TEST					
Test No.	1	2	3	4	5
Start time	12:00 pm				
Initial Pressure, inches of water column (in. w.c.)	2.00 " wc				
Pressure at one minute, in. w.c.	1.99				
Pressure at two minutes, in. w.c.	1.98				
Pressure at three minutes, in. w.c.	1.98				
Pressure at four minutes, in. w.c.	1.97				
Pressure at five minutes, in. w.c.	1.97				
Allowable minimum pressure, in. w.c.	.26				
Pass / Fail	PASS				

NOTE: [1]The minimum ullage during the test shall be 25 percent of the tank capacity or 300 gallons, whichever is greater.

I declare, under penalty of perjury under the laws of the state of California that based on information and belief formed after reasonable inquiry, the statements and information provided in the document are true, accurate, and complete.

Signature of Technician: James Flowers/ James Flowers Date: 6-10-14

Ver. 1.0 12.26.07

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Emission Inventory - Calendar Year 2014 Survey

Facility ID: C-2116

TAD:

SIC: 9224

Facility Name: KINGS COUNTY FIRE DEPARTMENT

Toxic ID:

Confidential Process Rates: **N**

Permit Number	Process Number	Process Type	Process Rate	Process Units	Process Material	Dist to Business (ft.)	Dist. to Residence (ft.)	Dist. to School (ft.)
2	1	Fuel dispensing	2961.40	Gallons	Gasoline	0.00	0.00	
2	2	N/A	0.00	N/A	N/A	0.00	0.00	
2	3	N/A	0.00	N/A	N/A	0.00	0.00	

Contact Gary Curtis, Assistant Fire Chi

Company KINGS COUNTY FIRE DEPARTMENT

Address 280 N CAMPUS DR

City, State, Zip: HANFORD , CA 93230

Telephone (0) -000-0000

E-mail Gary.curtis@co.kings.ca.us

Location of facility if different from above 7622 HOUSTON AVE
HANFORD, CA 93230

Name and Title of Responsible Official

Name: _____

Title: _____

X **By checking this box, I certify that the information contained in the Emissions Survey is accurate to the best of my knowledge.**

CONFIDENTIAL: N

Facility Emissions Summary

Inventory Year: 2014 County: 16 Facility ID: 2116

Facility Name: KINGS COUNTY FIRE DEPARTMENT

Device: 2 Device Name: Gasoline Dispensing Operation

Process: 1 Process Description: Tank Filling Loss

Process Rate: 2.96 Units: 1000 GALLONS THROUGHPUT

CAS	Pollutant	Emission Factor	Yearly Emissons	Hourly Emissions	Memo	1/2 App Deg
16113	Reactive Organic Gas	4.20E-01	6.22E-04	4.20E-08	CARB Emission Factor (0.42lb/1000gal)	
71432	Benzene	1.26E-03	3.73E-03	2.52E-07	CARB Emission Factor (0.00126lb/1000gal)	5
108883	Toluene	3.36E-02	9.95E-02	6.72E-06	CARB Emission Factor (0.0336lb/1000gal)	50
1330207	Xylenes (mixed)	1.01E-02	2.99E-02	2.02E-06	CARB Emission Factor (0.01lb/1000gal)	

Process: 2 Process Description: Vehicle Fueling

Process Rate: 2.96 Units: 1000 GALLONS TRANSFERRED

CAS	Pollutant	Emission Factor	Yearly Emissons	Hourly Emissions	Memo	1/2 App Deg
16113	Reactive Organic Gas	8.40E+00	1.24E-02	8.40E-07	CARB Emission Factor (8.4lb/1000gal)	
71432	Benzene	2.52E-02	7.46E-02	5.04E-06	CARB Emission Factor (0.0252lb/1000gal)	5
108883	Toluene	6.72E-01	1.99E+00	1.34E-04	CARB Emission Factor (0.672lb/1000gal)	50
1330207	Xylenes (mixed)	2.02E-01	5.97E-01	4.03E-05	CARB Emission Factor (0.2016lb/1000gal)	

Process: 3 Process Description: Process Spillage

Process Rate: 2.96 Units: 1000 GALS PUMPED

CAS	Pollutant	Emission Factor	Yearly Emissons	Hourly Emissions	Memo	1/2 App Deg
16113	Reactive Organic Gas	6.10E-01	9.03E-04	6.10E-08	CARB Emission Factor (0.61lb/1000gal)	
71432	Benzene	6.10E-03	1.81E-02	1.22E-06	CARB Emission Factor (0.0061lb/1000gal)	5

108883	Toluene	4.88E-02	1.45E-01	9.76E-06	CARB Emission Factor (0.0488lb/1000gal)	50
1330207	Xylenes (mixed)	1.46E-02	4.34E-02	2.93E-06	CARB Emission Factor (0.01464lb/1000gal)	

Process: 4 ***Process Description: Aboveground Tank Breathing Loss***

Process Rate: 2.96 ***Units: 1000 GALLONS THROUGHPUT***

CAS	Pollutant	Emission Factor	Yearly Emissons	Hourly Emissions	Memo	1/2 App Deg
16113	Reactive Organic Gas	5.30E-02	7.85E-05	5.30E-09	CARB Emission Factor (0.053lb/1000gal)	
71432	Benzene	1.59E-04	4.71E-04	3.18E-08	CARB Emission Factor (0.000159lb/1000gal)	5
108883	Toluene	4.24E-03	1.26E-02	8.48E-07	CARB Emission Factor (0.00424lb/1000gal)	50
1330207	Xylenes (mixed)	1.27E-03	3.77E-03	2.54E-07	CARB Emission Factor (0.001272lb/1000gal)	

SAN JOAQUIN VALLEY AIR POLLUTION CONTROL DISTRICT

☐ Northern Region Office
4800 Enterprise Way
Modesto, CA 95356-8718
(209) 557-6400

☒ Central Region Office
1990 E. Gettysburg Ave.
Fresno, CA 93726-0244
(559) 230-5950

☐ Southern Region Office
34946 Flyover Court
Bakersfield, CA 93308-9725
(661) 392-5500

Gasoline Vapor Recovery Inspection Form

Station Name: Kings County Fire Dept. PTO: C-2116-2-1

Location: 7622 East Houston Ave City: Hanford Phone # : 559-269-2844

Compliance Contact: William Lynch Title:

Inspection Type: ☒Compliance ☐ Complaint ☐ Start Up Start Up Date: Test Date:

Follow-up to: Notice of Violation # Notice to Comply #

Phase I					
Executive Order: **G-70-142B**					
☐UST	☒AST	Tank Type: **Convault**			
		Standing Loss Control Compliant? **Yes**			
		Configuration: **Two-point**			
Tank Measurements					
Tank Size		500	500		
Product Type		87	Diesel		
Location		N	S		
Fill Config.					
Tank Depth		146.5”			
Fill Tube Length		145”			
Diff (6” or less		1.5”			

Phase II		
Executive Order:	Type: **Exempt**	Nozzles: 1
Phase II Control Type:	PMC Version:	
ISD		
ISD Installed?	ISD Type:	ISD Version:
*if ISD is not installed facility is limited to 600,000 gallons/year		
ISD Currently in alarm?	Alarm History log on-site?	
Is facility responding to alarms?		
Maintenance		
Maintenance Required?	Maintenance Performed?	
Date of last maintenance inspection:		
Self-Inspections		
Self-Inspection Records: **Yes**	Self-inspection frequency: **Monthly**	
Throughput: **5,000 gallons/year**		

Inspection result: ☒ **No defects noted** ☐ **Defects noted (below):**

Location	Product	Equipment	Defect	Result/Action required

Comments:

Inspector: Safavardi Date: 02-22-16

When repairs are complete call: Signature of Receipt:

NOTE: CA Health & Safety Code, Section 41960.2 (a) – Maintenance of Installed Systems. (e) Requires that the above listed 7-day deficiencies be repaired within 7 days. Failure to do so will result in legal action.

For important updates and information regarding gasoline dispensing operation requirements, please join our email notification list for Gasoline Vapor Recovery at: http://www.valleyair.org/lists/list.htm

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Emission Inventory - Calendar Year 2015 Survey

Facility ID: C-2116
TAD:
SIC: 9224
Facility Name: KINGS COUNTY FIRE DEPARTMENT
Toxic ID:
Confidential Process Rates: **N**

Permit Number	Process Number	Process Type	Process Rate	Process Units	Process Material	Dist to Business (ft.)	Dist. to Residence (ft.)	Dist. to School (ft.)
2	1	Fuel dispensing	4069.60	Gallons	Gasoline	0.00	0.00	
2	2	N/A	0.00	N/A	N/A	0.00	0.00	
2	3	N/A	0.00	N/A	N/A	0.00	0.00	

Contact Ivy Webb
Company KINGS COUNTY FIRE DEPARTMENT
Address 280 N CAMPUS DR
City, State, Zip: HANFORD , CA 93230
Telephone (558) -852-2881
E-mail Ivy.Webb@co.kings.ca.us
Location of facility if different from above 7622 HOUSTON AVE
HANFORD, CA 93230

Name and Title of Responsible Official

Name: _____

Title: _____

X **By checking this box, I certify that the information contained in the Emissions Survey is accurate to the best of my knowledge.**

CONFIDENTIAL: N

Facility Emissions Summary

Inventory Year: 2015 **County: 16** **Facility ID: 2116**

Facility Name: KINGS COUNTY FIRE DEPARTMENT

Device: 2 **Device Name: Gasoline Dispensing Operation**

Process: 1 **Process Description: Tank Filling Loss**

Process Rate: 4.07 **Units: 1000 GALLONS THROUGHPUT**

CAS	Pollutant	Emission Factor	Yearly Emissons	Hourly Emissions	Memo	1/2 App Deg
16113	Reactive Organic Gas	4.20E-01	8.55E-04	4.20E-08	CARB Emission Factor (0.42lb/1000gal)	
71432	Benzene	1.26E-03	5.13E-03	2.52E-07	CARB Emission Factor (0.00126lb/1000gal)	5
108883	Toluene	3.36E-02	1.37E-01	6.72E-06	CARB Emission Factor (0.0336lb/1000gal)	50
1330207	Xylenes (mixed)	1.01E-02	4.11E-02	2.02E-06	CARB Emission Factor (0.01lb/1000gal)	

Process: 2 **Process Description: Vehicle Fueling**

Process Rate: 4.07 **Units: 1000 GALLONS TRANSFERRED**

CAS	Pollutant	Emission Factor	Yearly Emissons	Hourly Emissions	Memo	1/2 App Deg
16113	Reactive Organic Gas	8.40E+00	1.71E-02	8.40E-07	CARB Emission Factor (8.4lb/1000gal)	
71432	Benzene	2.52E-02	1.03E-01	5.04E-06	CARB Emission Factor (0.0252lb/1000gal)	5
108883	Toluene	6.72E-01	2.73E+00	1.34E-04	CARB Emission Factor (0.672lb/1000gal)	50
1330207	Xylenes (mixed)	2.02E-01	8.20E-01	4.03E-05	CARB Emission Factor (0.2016lb/1000gal)	

Process: 3 **Process Description: Process Spillage**

Process Rate: 4.07 **Units: 1000 GALS PUMPED**

CAS	Pollutant	Emission Factor	Yearly Emissons	Hourly Emissions	Memo	1/2 App Deg
16113	Reactive Organic Gas	6.10E-01	1.24E-03	6.10E-08	CARB Emission Factor (0.61lb/1000gal)	
71432	Benzene	6.10E-03	2.48E-02	1.22E-06	CARB Emission Factor (0.0061lb/1000gal)	5

108883	Toluene	4.88E-02	1.99E-01	9.76E-06	CARB Emission Factor (0.0488lb/1000gal)	50
1330207	Xylenes (mixed)	1.46E-02	5.96E-02	2.93E-06	CARB Emission Factor (0.01464lb/1000gal)	

Process: 4 ***Process Description: Aboveground Tank Breathing Loss***

Process Rate: 4.07 ***Units: 1000 GALLONS THROUGHPUT***

CAS	Pollutant	Emission Factor	Yearly Emissons	Hourly Emissions	Memo	1/2 App Deg
16113	Reactive Organic Gas	5.30E-02	1.08E-04	5.30E-09	CARB Emission Factor (0.053lb/1000gal)	
71432	Benzene	1.59E-04	6.47E-04	3.18E-08	CARB Emission Factor (0.000159lb/1000gal)	5
108883	Toluene	4.24E-03	1.73E-02	8.48E-07	CARB Emission Factor (0.00424lb/1000gal)	50
1330207	Xylenes (mixed)	1.27E-03	5.18E-03	2.54E-07	CARB Emission Factor (0.001272lb/1000gal)	

SAN JOAQUIN VALLEY AIR POLLUTION CONTROL DISTRICT

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Fresno, CA 93726-0244
(559) 230-5950

☐ Southern Region Office
34946 Flyover Court
Bakersfield, CA 93308-9725
(661) 392-5500

Gasoline Vapor Recovery Inspection Form

Station Name: KINGS COUNTY FIRE DEPT PTO: C 2116-2-1

Location: 7622 HOUSTON AVE City: HANFORD Phone # : 559-582-0024- office

Compliance Contact: EDRNIE AMATO Title: CAPT.

Inspection Type: ☐Compliance ☐ Complaint ☐ Start Up Required Date: 6/10 (three years) Test Date: 6/6/11 FH**Error! Reference source not found.**

Follow-up to: N/A Notice of Violation # Notice to Comply #

Phase I					
Executive Order: **G-70-142B**					
☐UST	☒AST	Tank Type: **Convault**			
		Standing Loss Control Compliant? **No**			
		Configuration:			
Tank Measurements					
Tank Size		500	500		
Product Type		87	Diesel		
Location					
Fill Config.					
Tank Depth		46.5			
Fill Tube Length		45.0			
Diff (6" or less		1.5			

Phase II		
Executive Order:	Type: **Exempt**	Nozzles: **1**
Phase II Control Type: **None**	PMC Version:	
ISD		
ISD Installed?	ISD Type:	ISD Version:
*if ISD is not installed facility is limited to 600,000 gallons/year		
ISD Currently in alarm?	Alarm History log on-site?	
Is facility responding to alarms?		
Maintenance		
Maintenance Required?	Maintenance Performed?	
Date of last maintenance inspection:		
Self-Inspections		
Self-Inspection Records: **Yes**	Self-inspection frequency: **Monthly**	
Throughput: **417 monthly**		

Inspection result: ☒ **No defects noted** ☐ **Defects noted (below):**

Location	Product	Equipment	Defect	Result/Action required
		PVV OPW	NOT CERT AFTER 4-1-12	

Comments:

LEFT ARB 393 --NEED TO CHANGE THE OPW PVV TO A HUSKY 5885 BEFORE 4-1-13

Inspector: DWAYNE ENGLAND Date: 8/2/2012

Signature of Receipt:

When repairs are complete call:

NOTE: CA Health & Safety Code, Section 41960.2 (a) – Maintenance of Installed Systems (e) Requires that the above listed 7-day deficiencies be repaired within 7 days. Failure to do so will result in legal action.

For important updates and information regarding gasoline dispensing operation requirements, please join our email notification list for Gasoline Vapor Recovery at: http://www.valleyair.org/lists/list.htm

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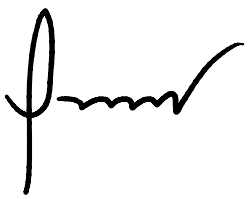

SAN JOAQUIN VALLEY AIR POLLUTION CONTROL DISTRICT

☐ Northern Region Office
4800 Enterprise Way
Modesto, CA 95356-8718
(209) 557-6400

☒ Central Region Office
1990 E. Gettysburg Ave.
Fresno, CA 93726-0244
(559) 230-5950

☐ Southern Region Office
34946 Flyover Court
Bakersfield, CA 93308-9725
(661) 392-5500

Gasoline Vapor Recovery Inspection Form

Station Name: Kings County Fire Department PTO: C-2116-2-1

Location: 7622 East Houston Avenue City: Hanford Phone # : 559-269-2844

Compliance Contact: William Lynch Title:

Inspection Type: ☒Compliance ☐ Complaint ☐ Start Up Start Up Date: Test Date:

Follow-up to: Notice of Violation # Notice to Comply #

Phase I						Phase II		
Executive Order: **G-70-142B**						Executive Order:	Type: **Exempt**	Nozzles: **1**
☐UST	☒AST	Tank Type: **Convault**				Phase II Control Type:		PMC Version:
		Standing Loss Control Compliant? **Yes**				**ISD**		
		Configuration: **Two-point**				ISD Installed?	ISD Type:	ISD Version:
Tank Measurements						*if ISD is not installed facility is limited to 600,000 gallons/year		
						ISD Currently in alarm?	Alarm History log on-site?	
Tank Size	500					Is facility responding to alarms?		
Product Type	87					**Maintenance**		
Location	n/a					Maintenance Required?	Maintenance Performed?	
Fill Config.	std					Date of last maintenance inspection:		
Tank Depth	46”					**Self-Inspections**		
Fill Tube Length	44”					Self-Inspection Records: **Yes**	Self-inspection frequency: **Monthly**	
Diff (6” or less	2”					Throughput: **4,620 gallons/year**		

Inspection result: ☒ **No defects noted** ☐ **Defects noted (below):**

Location	Product	Equipment	Defect	Result/Action required

Comments:

Inspector: Safavardi Date: 4/26/2018

When repairs are complete call: 559-287-2374 Signature of Receipt:

NOTE: CA Health & Safety Code, Section 41960.2 (a) – Maintenance of Installed Systems. (e) Requires that the above listed 7-day deficiencies be repaired within 7 days. Failure to do so will result in legal action.

For important updates and information regarding gasoline dispensing operation requirements, please join our email notification list for Gasoline Vapor Recovery at: http://www.valleyair.org/lists/list.htm

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559.485.3456 · FAX 485.3165 · LICENSE NO. 383550 www.banks-co.com

VR – 401/402/501 EVR Phase I / II
AST Static Pressure Performance Test Report Form

Permit Number: **C-2116-2-2** Con# **20-27563**		Test Company: **Banks & CO**	
Site Name: **Kings Co. Fire department - Houston**		Technician: **Roberto Jacobo**	
Site Address: **7622 Houston Avenue**		Certification Number	Expiration Date
City: **Hanfored, Ca**	Zip: **93230**	District: **0357**	**June 30, 2021**
Date/Time of Test: **June 5, 2020 11:00 AM**			

TEST INFORMATION			
Total number of nozzles: 1		Are the tanks manifolded? ☐ Yes ☒ No	
Phase I vapor recovery system executive order			
Phase I vapor recovery system configuration		☒ Direct-fill	☐ Remote-fill
Phase II vapor recovery system executive order			
Nitrogen introduction point	☒ Phase I vapor coupler	☐ Phase I vent line	☐ Phase II vapor riser
Pressure measuring device	☐ incline manometer	☒ digital manometer	☐ mechanical gauge
Calibration date for pressure measuring device (must be within 90 days of the test)			**5/29/2020**
Ending value for digital manometer drift test if applicable (must be 0.01 in. w.c. or less)			**0.00**
Nitrogen introduction flow rate, F (must be between 1 and 5 CFM)			**3 CFM**
Number of hoses with over 100 ml (balance hoses must be drained prior to testing)			**0.00**

TANK INFORMATION					
Tank No.	1	2	3	4	ALL
Product grade	**87**				**87**
Actual tank capacity (gallons)	**500**				**500**
Gasoline volume (gallons)	**320**				**320**
Ullage (gallons)[1]	**180**				**180**
If tanks are not manifolded, number of nozzles	**1**				**1**

2 IN. W.C. STATIC PRESSURE TEST					
Test No.	1	2	3	4	5
Start time	**11:15 AM**				
Initial Pressure, inches of water column (in. w.c.)	**2.00**				
Pressure at one minute, in. w.c.	**2.00**				
Pressure at two minutes, in. w.c.	**1.99**				
Pressure at three minutes, in. w.c.	**1.99**				
Pressure at four minutes, in. w.c.	**1.98**				
Pressure at five minutes, in. w.c.	**1.97**				
Allowable minimum pressure, in. w.c.	**.65**				
Pass / Fail	**Pass**				

NOTE: [1]The minimum ullage shall be 25 percent and the maximum shall be 75% of the tank capacity.

I declare, under penalty of perjury under the laws of the state of California that based on information and belief formed after reasonable inquiry, the statements and information provided in this document are true, accurate, and complete.

Signature of Technician: _____ *Date:* **June 5, 2020**

San Joaquin Valley
AIR POLLUTION CONTROL DISTRICT

TP 201.3B
AST Static Pressure Performance Test Report Form

Permit Number: C-2116 Confirmation 17-22734		Test Company: Franzen-Hill Corp	
Site Name: King County Fire Dept		Technician: Gary Rummerfild	
Site Address: 7622 Houston Ave		Certification Number	Expiration Date
City: Hanford	Zip: 93230	District:SJV-0109	
Date/Time of Test: 06/27/2017 8:00am			

TEST INFORMATION				
Total number of nozzles: 1			Are the tanks manifolded? ☐ Yes X No	
Phase I vapor recovery system executive order (as referenced on Permit to Operate)				G-70-52
Phase I vapor recovery system configuration		X 2-point	☐ coaxial	
Phase II vapor recovery system executive order (as referenced on Permit to Operate)				N/A
Nitrogen introduction point	X Phase I vapor coupler		☐ Phase I vent line	☐ Phase II vapor riser
Pressure measuring device	☐ incline manometer		X digital manometer	☐ mechanical gauge
Calibration date for pressure measuring device (must be within 90 days of the test)				05/03/17
Ending value for digital manometer drift test if applicable (must be 0.01 in. w.c. or less)				0.00
Nitrogen introduction flow rate, F (must be between 1 and 5 CFM)				1
Number of hoses with over 100 ml (balance hoses must be drained prior to testing)				N/A

TANK INFORMATION					
Tank No.tratford	1	2	3	4	ALL
Product grade	87				
Actual tank capacity (gallons)	523				
Gasoline volume (gallons)	219				
Ullage (gallons)[1]	304				
If tanks are not manifolded, number of nozzles	1				

2 IN. W.C. STATIC PRESSURE TEST					
Test No.	1	2	3	4	5
Start time	8:30am				
Initial Pressure, inches of water column (in. w.c.)	2.00				
Pressure at one minute, in. w.c.	1.97				
Pressure at two minutes, in. w.c.	1.92				
Pressure at three minutes, in. w.c.	1.89				
Pressure at four minutes, in. w.c.	1.87				
Pressure at five minutes, in. w.c.	1.85				
Allowable minimum pressure, in. w.c.	**0.16**				
Pass / Fail	**Pass**				

NOTE: [1]The minimum ullage during the test shall be 25 percent of the tank capacity or 300 gallons, whichever is greater.

I declare, under penalty of perjury under the laws of the state of California that based on information and belief formed after reasonable inquiry, the statements and information provided in the document are true, accurate, and complete.

Signature of Technician: _____ Date: 06/27/17

San Joaquin Valley
AIR POLLUTION CONTROL DISTRICT

TP 201.3B
AST Static Pressure Performance Test Report Form

Permit Number: C-2116-2-1		Test Company: Franzen-Hill	
Site Name: Kings County Fire Department # 4		Technician: Jesse Vera	
Site Address: 7622 Houston Ave.		Certification Number	Expiration Date
City: Hanford Ca.	Zip:	District: SJV-0107	
Date/Time of Test: 6/10/08 @ 8:30 am.		Iona / # 08-7905	

TEST INFORMATION			
Total number of nozzles: 1		Are the tanks manifolded? ☐ Yes X No	
Phase I vapor recovery system executive order (as referenced on Permit to Operate)			AST / G-70-142
Phase I vapor recovery system configuration	X 2-point	☐ coaxial	
Phase II vapor recovery system executive order (as referenced on Permit to Operate)			
Nitrogen introduction point	X Phase I vapor coupler	☐ Phase I vent line	Phase II vapor riser
Pressure measuring device	☐ incline manometer	X digital manometer	☐ mechanical gauge
Calibration date for pressure measuring device (must be within 90 days of the test)			4/7/08
Ending value for digital manometer drift test if applicable (must be 0.01 in. w.c. or less)			0.00
Nitrogen introduction flow rate, F (must be between 1 and 5 CFM)			2.0
Number of hoses with over 100 ml (balance hoses must be drained prior to testing)			N/A

TANK INFORMATION					
Tank No.	1	2	3	4	ALL
Product grade	87				
Actual tank capacity (gallons)	500				
Gasoline volume (gallons)	175				
Ullage (gallons)[1]	325				
If tanks are not manifolded, number of nozzles	1				

2 IN. W.C. STATIC PRESSURE TEST					
Test No.	1	2	3	4	5
Start time	9:00 am.				
Initial Pressure, inches of water column (in. w.c.)	2.00				
Pressure at one minute, in. w.c.	1.98				
Pressure at two minutes, in. w.c.	1.93				
Pressure at three minutes, in. w.c.	1.89				
Pressure at four minutes, in. w.c.	1.88				
Pressure at five minutes, in. w.c.	1.86				
Allowable minimum pressure, in. w.c.	0.27				
Pass / Fail	Pass				

NOTE: [1]The minimum ullage during the test shall be 25 percent of the tank capacity or 300 gallons, whichever is greater.

I declare, under penalty of perjury under the laws of the state of California that based on information and belief formed after reasonable inquiry, the statements and information provided in the document are true, accurate, and complete.

Signature of Technician: _Jesse Vera / _____ Date: __6/10/08_____

Ver. 1.0 12.26.07

San Joaquin Valley APCD GDF Test Observation Form

[ ] Northern Region Office
4320 Kieman Ave., Suite 130
Modesto, CA 95356-9321
(209) 557-6400

[ ] Central Region Office
1990 E. Gettysburg
Fresno, CA 93726-0244
(559) 230-5950

[ ] Southern Region Office
2700 "M" St., Suite 275
Bakersfield, CA 93301-2370
(661) 326-6900

PTO: C-2116
Site Name: Kings Co Fire Dept
Address: 7622 Houston Ave
City: Hanford.
Contact: Jesse Venegas.

Confirmation #: 08-7905
Test Company: Franzen-Hill
Technician: Jesse Vera
Tester Number: SJV-0107
Test Date/Time: 6-10-08 @ 830am

Test Type: [ ] Initial Test [ ] Retest [X] Start-up

Start-up Date: —

* Phase I type: G-70-142

Tanks Manifolded: (pressure check) ~~Y/N~~ N/A

Phase II type: BalanceAssist (type): EXEMPT Nozzles (tot): 1

[X] Pass [ ] Fail **TP-201.3 / TP-201.3B Test**
Calibration date: 4-7-08
pressure gauge type: Incline / Digital / Mechanical
Drift test: Pass / Fail

Ullage: 375 **Allowable limit:** .27" **Final Limit:** 1.86"

Notes:

[ ] Pass [ ] Fail **TP-201.4 Test**
Calibration date:
pressure gauge type: Incline / Digital / Mechanical
Leak Check: Pass / Fail

Tagged Nozzles

[ ] Pass [ ] Fail **TP-201.5 A/L Test**
meter type: Roots Meter / Vacusmart Cal. Date:

Tagged Nozzles

[ ] Pass [ ] Fail **TP-201.6C Liquid Removal**

Tagged Nozzles

[ ] Pass [ ] Fail **TP-201.1B Torque Test**
wrench - inch pounds: yes / no
Tell-tell needle: yes / no

Notes:

[ ] Pass [ ] Fail **TP-201.1C / TP-201.1D**
Drop Tube type: straight / overfill
Flow meter type: Aalborg / Dwyer Range:

Notes:

Compliance Action

[ ] **7 – Day Repair Notice** (repairs must be made and retested within 7-day to avoid penalty)

[ ] **Tagged Out of Service until repaired** (repairs must be made and retested prior to placing back in service)

Inspector: Iona Sofavardi Date: 6-10-08 Received by: Scott Hazzard

10/20/04

San Joaquin Valley
AIR POLLUTION CONTROL DISTRICT

TP 201.3B
AST Static Pressure Performance Test Report Form

Permit Number: C-2116-2-1		Test Company: Franzen-Hill	
Site Name: Kings County Fire Department # 4		Technician: Jesse Vera	
Site Address: 7622 Houston Ave.		Certification Number	Expiration Date
City: Hanford Ca.	Zip:	District: SJV-0107	
Date/Time of Test: 6/10/08 @ 8:30 am.		Ilona / # 08-7905	

TEST INFORMATION			
Total number of nozzles: 1		Are the tanks manifolded? ☐ Yes X No	
Phase I vapor recovery system executive order (as referenced on Permit to Operate)			AST / G-70-142
Phase I vapor recovery system configuration	X 2-point	☐ coaxial	
Phase II vapor recovery system executive order (as referenced on Permit to Operate)			
Nitrogen introduction point	X Phase I vapor coupler	☐ Phase I vent line	Phase II vapor riser
Pressure measuring device	☐ incline manometer	X digital manometer	☐ mechanical gauge
Calibration date for pressure measuring device (must be within 90 days of the test)			4/7/08
Ending value for digital manometer drift test if applicable (must be 0.01 in. w.c. or less)			0.00
Nitrogen introduction flow rate, F (must be between 1 and 5 CFM)			2.0
Number of hoses with over 100 ml (balance hoses must be drained prior to testing)			N/A

TANK INFORMATION					
Tank No.	1	2	3	4	5
Product grade	87				
Actual tank capacity (gallons)	500				
Gasoline volume (gallons)	175				
Ullage (gallons)[1]	325				
If tanks are not manifolded, number of nozzles	1				

2 IN. W.C. STATIC PRESSURE TEST					
Test No.	1	2	3	4	5
Start time	9:00 am.				
Initial Pressure, inches of water column (in. w.c.)	2.00				
Pressure at one minute, in. w.c.	1.98				
Pressure at two minutes, in. w.c.	1.93				
Pressure at three minutes, in. w.c.	1.89				
Pressure at four minutes, in. w.c.	1.88				
Pressure at five minutes, in. w.c.	1.86				
Allowable minimum pressure, in. w.c.	0.27				
Pass / Fail	Pass				

NOTE: [1]The minimum ullage during the test shall be 25 percent of the tank capacity or 300 gallons, whichever is greater.

I declare, under penalty of perjury under the laws of the state of California that based on information and belief formed after reasonable inquiry, the statements and information provided in the document are true, accurate, and complete.

Signature of Technician: _Jesse Vera /_____ Date: __6/10/08_____

SAN JOAQUIN VALLEY UNIFIED AIR POLLUTION CONTROL DISTRICT

[ ] Northern Region Office
4800 Enterprise Way
Modesto, CA 95356-8718
(209) 557-6400

[X] Central Region Office
1990 E. Gettysburg Ave.
Fresno, CA 93726-0244
(559) 230-5950

[ ] Southern Region Office
2700 M St., Suite 275
Bakersfield, CA 93301-2370
(661) 326-6900

Gasoline Vapor Recovery Inspection Form

Station Name: Kings County Fire Dept PTO: C-2116

Location: _____ City: _____ Phone # 469-2844

Contact: Ernie Amato / Jesse Venegas Title: Captain

Inspection Type: [ ] Compliance [ ] Complaint [ ] Start Up Start Up Date: _____ Test Date _____

[ ] 1st [ ] 2nd Follow-up to: _____ Notice of Violation #(s) _____

Phase I System Type: ~~[illegible]~~ NOT-Compliant Phase II System Type: EXEMPT Number of Nozzles: 1

Tank Number	1	2	3	4
Product Type				
Location				
1. Broken/Missing Vapor Cap				
2. Broken/Missing Fill Cap				
3. Vapor Caps Not Seated				
4. Fill Caps Not Seated				
5. Vapor Cap Gasket Missing				
6. Fill Cap Gasket Missing				
7. Vapor Adapter Rotate				
8. Fill Adapter Rotate				
9. Fill Adapter Loose				
10. Vapor Adapter Loose				
11. Poppet Valve Defective				
12. Poppet Valve Gasket Missing				
13. Pressure Vacuum Relief Valve				
14. Drain Valve Broken / Missing				
Tank Size	500			
Tank Depth	46 1/2			
Fill Tube Length	45			
Difference (6" or less)	1 1/2			

Nozzle Number								
Product Type								
Nozzle Type								
1. Nozzle								
2. Insertion Interlock								
3. Check Valve								
4. Face Plate/Seal								
5. Ring/Rivet Latch								
6. Bellows / VEG								
7. Bellows Clamp/Wire								
8. Swivel (s)								
9. Hold Open Latch								
10. Hose								
11. Hose Configuration								
12. Hose Retractor								
13. Liquid Removal System								
14. GPM								

[ ] Incinerator Function [ ] System Pressure [ ] Signs Posted (X=Deficiency)

KEY FOR DEFICIENCIES
AD=Adjustment, B=Broken, F=Flat, FR=Frayed, K=Kinked, L=Long, LO=Loose, M=Missing, MA=Misaligned, NC=Not Certified, S=Short, TO=Torn, 100=Over 100mls in hose

Inspection Results								

Phase I Report: Check marks indicated component deficiencies

Phase II Report: 7 = repair within 7 days, T = Tagged out of order until repaired, U= Taggable violation corrected during inspection

O & M Manual On-site: YES / NO Maintaining: YES / NO

Self Inspection Records: YES / NO Maintaining: YES / NO

Comments: Gave copies of self inspection forms.

Inspector: Lora Safavard Date: 3-22-10 Received By: Ernie Amato

When repairs are complete call: (559) 233-5960

Note: **CA Health & Safety Code, Section 41960.2 (a) - Maintenance of Installed Systems. (c) requires that the above listed 7-day deficiencies be repaired within 7 days. Failure to do so will result in legal action.**

Note: NTC 5001012 mailed 3/31/10

SAN JOAQUIN VALLEY AIR POLLUTION CONTROL DISTRICT

☐ Northern Region Office
4800 Enterprise Way
Modesto, CA 95356-8718
(209) 557-6400

☒ Central Region Office
1990 E. Gettysburg Ave.
Fresno, CA 93726-0244
(559) 230-5950

☐ Southern Region Office
34946 Flyover Court
Bakersfield, CA 93308-9725
(661) 392-5500

Aboveground Gasoline Tank Enhanced Vapor Recovery Inspection Form

Facility Name: KINGS COUNTY FIRE DEPT-in compliance-- PTO: C-2116-2-1

Location: 7622 HOUSTON AVE City: HANFORD Phone : 582-0024 office

Compliance Contact: WILLIAM K. LYNCH-(Kings County fire Chief) (559-852-2881-Cell 559-589-4921) Title: CAPT

Inspector: DWAYNE ENGLAND Date: 5/16/2013

General Information

Aboveground tank type: ☒ **Protected/ Insulated** ☐ **Single-wall steel** ☐ **Unable to determine**

Tank Make: Convault Model: Serial #: *Data Plate Not Present* ☒

Tank size correct on PTO? ☒ **YES** ☐ **NO** Size (*if PTO incorrect*): **gallons**

Split tank compartment size: **Gasoline:** 500 **gallons** **Diesel/Other:** **500** **gallons**

Standing Loss Control

Tank make/model listed as SLC-compliant in Exhibit 1 of Executive Order VR-301? ☒ **YES** ☐ **NO**

If YES, is tank finish adequate[1]? ☒ **YES** ☐ **NO** *If NO, be sure to take pictures.*

If NO, is tank painted with an SLC-approved coating listed in Exhibit 1 of EO VR-301[2]? ☐ **YES** ☐ **NO**

If YES, SLC-approved coating name:

P/V Valve SLC-compliant[3]? ☒ **YES** ☐ **NO** **Make:** HUSKY **Model:** 5885

Comments: G-70-142B-TANK WAS MOVED-IT APPEARS TO BE A CONVAULT G-70-116F
WILL CHECK ON SLC PAINTING REQUIRMENT. 5/20/13 turned in C/O to change E.O. to G-70-116 F.

Phase I Vapor Recovery

Phase I EVR system installed? ☐ **YES** ☒ **NO** If YES, Phase I EVR EO:

If NO, Tank Fill Type: ☒ **Top/Direct** ☐ **Side/Bottom** ☐ **Remote**

If top/direct fill, is fill tube present? ☒ **YES** ☐ **NO** Tube end 6" or less from tank bottom? ☒ **YES** ☐ **NO**

If side/bottom fill, is entry point within 18 inches of bottom of tank? ☐ **YES** ☐ **NO** If NO, inches

Current Phase I system type: ☒ **2-point** ☐ **Coaxial** ☐ **None** Emergency vent present? ☐ **YES** ☐ **NO**

Can the tank be fitted w/ a certified Phase I EVR system[4]? ☒ **YES** ☐ **NO** *If NO, explain below and take pictures.*

Comments: Facility must comply with Phase I EVR July 1, 2014 or be in violation. Current Executive Orders are VR401 & VR402.

---

[1] *In manufacturer-recommended condition (if available)? Peeling, heavy cracking, bare areas? Tank color not one allowed by CARB? If so, tank must be painted with a manufacturer-recommended or VR-301 listed coating.*
[2] *Operator must have records indicating paint type used to coat tank. If NO, tank must be painted with SLC-approved coating in accordance with VR-301.*

[3] *If NO, SLC-approved P/V valve must be installed in accordance with VR-301.*

[4] *Will EVR system fit as specified in a CARB Executive Order or a CARB-approved alternate configuration? Alternate configurations shown on CARB AST EVR FAQ web page at http://www.arb.ca.gov/vapor/faq.htm.* ***If NO, operator may pursue exemption as instructed on CARB FAQ web page.***

San Joaquin Valley
Air Pollution Control District

FILE

November 29, 2004

Kings County Fire Departement
1400 W Lacey
Hanford, CA 93230

Authority to Construct C-2116-2-1

To Whom It May Concern:

Enclosed is the Authority to Construct for your gasoline dispensing facility. Please note that State regulations require you to maintain a copy of the Executive Orders certifying your Vapor Recovery Systems on site. If you do not have copies of the Executive Orders, contact the manufacturers or go to the following Air Resources Board website: www.arb.ca.gov/vapor/eo.htm

Thank you for your cooperation in this matter. If you have any questions, please contact the District's small business assistance office at (559) 230-5888.

Sincerely,

David Warner
Director of Permit Services

Rick McVaigh
Permit Services Manager

bb
Enclosures

David L. Crow
Executive Director/Air Pollution Control Officer

Northern Region Office
4230 Kiernan Avenue, Suite 130
Modesto, CA 95356-9322
(209) 557-6400 • FAX (209) 557-6475

Central Region Office
1990 East Gettysburg Avenue
Fresno, CA 93726-0244
(559) 230-6000 • FAX (559) 230-6061

Southern Region Office
2700 M Street, Suite 275
Bakersfield, CA 93301-2373
(661) 326-6900 • FAX (661) 326-6985

www.valleyair.org

San Joaquin Valley
Air Pollution Control District

FILE

AUTHORITY TO CONSTRUCT

PERMIT NO: C-2116-2-1 **ISSUANCE DATE:** 11/30/2004

LEGAL OWNER OR OPERATOR: KINGS COUNTY FIRE DEPARTMENT
MAILING ADDRESS: 1400 W LACEY BLVD
HANFORD, CA 93230

LOCATION: 17160 S TENTH AVE
HANFORD, CA 93230

EQUIPMENT DESCRIPTION:
GASOLINE DISPENSING OPERATION WITH ONE 1,000 GALLON SPLIT (500 GALLON GASOLINE/500 GALLON DIESEL) CONVAULT ABOVEGROUND STORAGE TANK SERVED BY TWO-POINT PHASE I VAPOR RECOVERY SYSTEM (G-70-142-B), AND 1 FUELING POINT WITH 1 PHASE II EXEMPT GASOLINE DISPENSING NOZZLE: MODIFICATION CONSISTS OF TRANSFER OF LOCATION OF ENTIRE STATIONARY SOURCE TO NEW SITE

CONDITIONS

1. The Phase I vapor recovery system and its components shall be operated and maintained in accordance with the state certification requirements. [District Rule 4621]
2. No gasoline delivery vessel shall be operated or be allowed to operate unless valid State of California decals are displayed on the cargo tank which attest to the vapor integrity of the tank. [District Rule 4621]
3. Total gasoline throughput for the facility shall not exceed either of the following: 10,000 gallons in any consecutive 30-day period or 24,000 gallons per calendar year. If throughput exceeds stated limits, the permittee shall notify the district within 30 days and a certified Phase II vapor recovery system shall be installed. [District Rule 4622]
4. Permittee shall maintain records of monthly gasoline throughput. Records shall be retained as long as exempt status is claimed and made available to the District upon request. [District Rules 1070 and 4622]

YOU MUST NOTIFY THE DISTRICT COMPLIANCE DIVISION AT (559) 230-5950 WHEN CONSTRUCTION IS COMPLETED AND PRIOR TO OPERATING THE EQUIPMENT OR MODIFICATIONS AUTHORIZED BY THIS AUTHORITY TO CONSTRUCT. This is NOT a PERMIT TO OPERATE. Approval or denial of a PERMIT TO OPERATE will be made after an inspection to verify that the equipment has been constructed in accordance with the approved plans, specifications and conditions of this Authority to Construct, and to determine if the equipment can be operated in compliance with all Rules and Regulations of the San Joaquin Valley Unified Air Pollution Control District. Unless construction has commenced pursuant to Rule 2050, this Authority to Construct shall expire and application shall be cancelled two years from the date of issuance. The applicant is responsible for complying with all laws, ordinances and regulations of all other governmental agencies which may pertain to the above equipment.

DAVID L. CROW, Executive Director / APCO

Mark Keast for

DAVID WARNER, Director of Permit Services
C-2116-2-1 : Nov 30 2004 9:48AM – BULLOCKB : Joint Inspection NOT Required

Please Fax Copy to 7411858 TJC.

San Joaquin Valley Air Pollution Control District

www.valleyair.org

RECEIVED
OCT 26 2004
PERMIT SERVICES
SJVUAPCD

Permit Application For:

- [ ] AUTHORITY TO CONSTRUCT (ATC) - New Emission Unit.
- [X] AUTHORITY TO CONSTRUCT (ATC) - Modification Of Emission Unit With Valid PTO/Valid ATC.
- [ ] AUTHORITY TO CONSTRUCT (ATC) - Renewal of Valid Authority to Construct.
- [ ] PERMIT TO OPERATE (PTO) - Existing Emission Unit Now Requiring a Permit to Operate.

1. PERMIT TO BE ISSUED TO: Kings County Fire Department

2. MAILING ADDRESS: STREET/P.O. BOX: 1400 W. Lacey Blvd
CITY: Hanford STATE: Ca 9-DIGIT ZIP CODE: 93230

3. LOCATION WHERE THE EQUIPMENT WILL BE OPERATED: STREET: 7726 Houston Ave CITY: Hanford
WITHIN 1,000 FT OF A SCHOOL? [ ] YES [ ] NO
_____/4 SECTION _____ TOWNSHIP _____ RANGE _____
S.I.C. CODE(S) OF FACILITY (If known):

4. GENERAL NATURE OF BUSINESS: Fire Station
INSTALL DATE:

5. TITLE V PERMIT HOLDERS ONLY: Do you request a COC (EPA Review) prior to receiving your ATC? [ ] YES [ ] NO

6. DESCRIPTION OF EQUIPMENT OR MODIFICATION FOR WHICH APPLICATION IS MADE (include Permit #'s if known, and use additional sheets if necessary) 1000 gallon above ground tank moved from one Location (17160 S. 10th ave) to new Fire Station (7726 Houston) No change in equipment unless needed by APCD.

7. PERMIT REVIEW PERIOD: Do you request a three- or ten-day period to review the draft Authority to Construct permit? Please note that checking "YES" will delay issuance of your final permit by a corresponding number of working days. See instructions for more information on this review process. (3-day review) 10-day review No review requested

8. HAVE YOU EVER APPLIED FOR AN ATC OR PTO IN THE PAST? [X] YES [ ] NO If yes, ATC/PTO #: C-2116-2-C

9. HAVE ALL NECESSARY LAND-USE AUTHORIZATIONS BEEN OBTAINED? (If "No" is checked, please attach explanation.) [X] YES [ ] NO

10. IS THIS APPLICATION SUBMITTED AS THE RESULT OF EITHER A NOTICE OF VIOLATION OR A NOTICE TO COMPLY? [ ] YES [X] NO If yes, NOV/NTC #: _____

Optional Section
CHECK WHETHER YOU ARE A PARTICIPANT IN EITHER OF THESE VOLUNTARY PROGRAMS:
"SPARE THE AIR" [ ]Yes [ ]No [ ]Send info
"INSPECT" [ ]Yes [ ]No [ ]Send info

12. TYPE OR PRINT NAME OF APPLICANT: Sandi K Jones
TITLE OF APPLICANT: Contractor

13. SIGNATURE OF APPLICANT: Sandi K Jones DATE: 10-18-04
PHONE #: (559) 7227509
FAX #: 559 7411858
E-MAIL:

FOR APCD USE ONLY:

DATE STAMP:

FILING FEE RECEIVED: $60.00/180.00 CHECK #: 13223
DATE PAID: OCT 26 2004
PROJECT #: C-1043656 FACILITY ID: C-2116

San Joaquin Valley Unified Air Pollution Control District
Supplemental Application Form

GASOLINE DISPENSING

This form must be accompanied by a completed Application for Authority to Construct and Permit to Operate form.

Permit to be issued to:	Kings County Fire Department
Location where the equipment will be operated:	7726 Houston Ave Hanford
Current Permit to Operate number (if applicable):	C-2116-2-0

Instructions

1	**Complete a separate form for each tank and dispensing system which has a different type of Phase I or Phase II vapor recovery system with as much information as possible.**
2	**Attach a copy of the site plan showing underground fuel and vapor lines and location of dispenser islands. You may submit the drawings in electronic format.**

Note: Information on Vapor Recovery Executive Orders is available online at: www.arb.ca.gov/vapor/vapor.htm

Gasoline Storage Tanks and Nozzles

Quantity of Tanks	Type of Tanks *(Check One for Each Tank)*	Capacity in Gallons *(Indicate if Split Tank)*	Type and Grade of Fuel
	☐ Underground ☒ Aboveground*	1000 > 500 500	Gas / Diesel
	☐ Underground ☐ Aboveground*		
	☐ Underground ☐ Aboveground*		
	☐ Underground ☐ Aboveground*		

Total Number of Gasoline Dispensers:	2
Total Number of Gasoline Fueling Points:	1 *(Maximum number of vehicles which can be fueled at one time, normally two vehicles per dispenser)*
Total Number of Gasoline Dispensing Nozzles:	1 *(Do not include Diesel)*
# Grades of Gasoline Dispensed per Nozzle:	
Total Number of Vapor Recovery Instruction Signs:	*(Should be clearly readable from every fueling point)*
Maximum Facility Gasoline Throughput	**Gallons per Month** **Gallons per year**
Facility Type	☐ **Retail** ☐ **Non-Retail**

***For Aboveground Tanks (includes tanks in underground vaults)**

Manufacturer:	Con Vault
CARB Executive Order Number:	

PLEASE CONTINUE ON REVERSE SIDE

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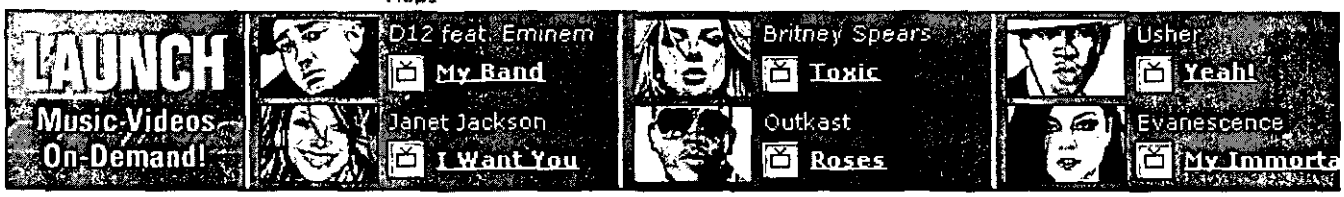
Ma



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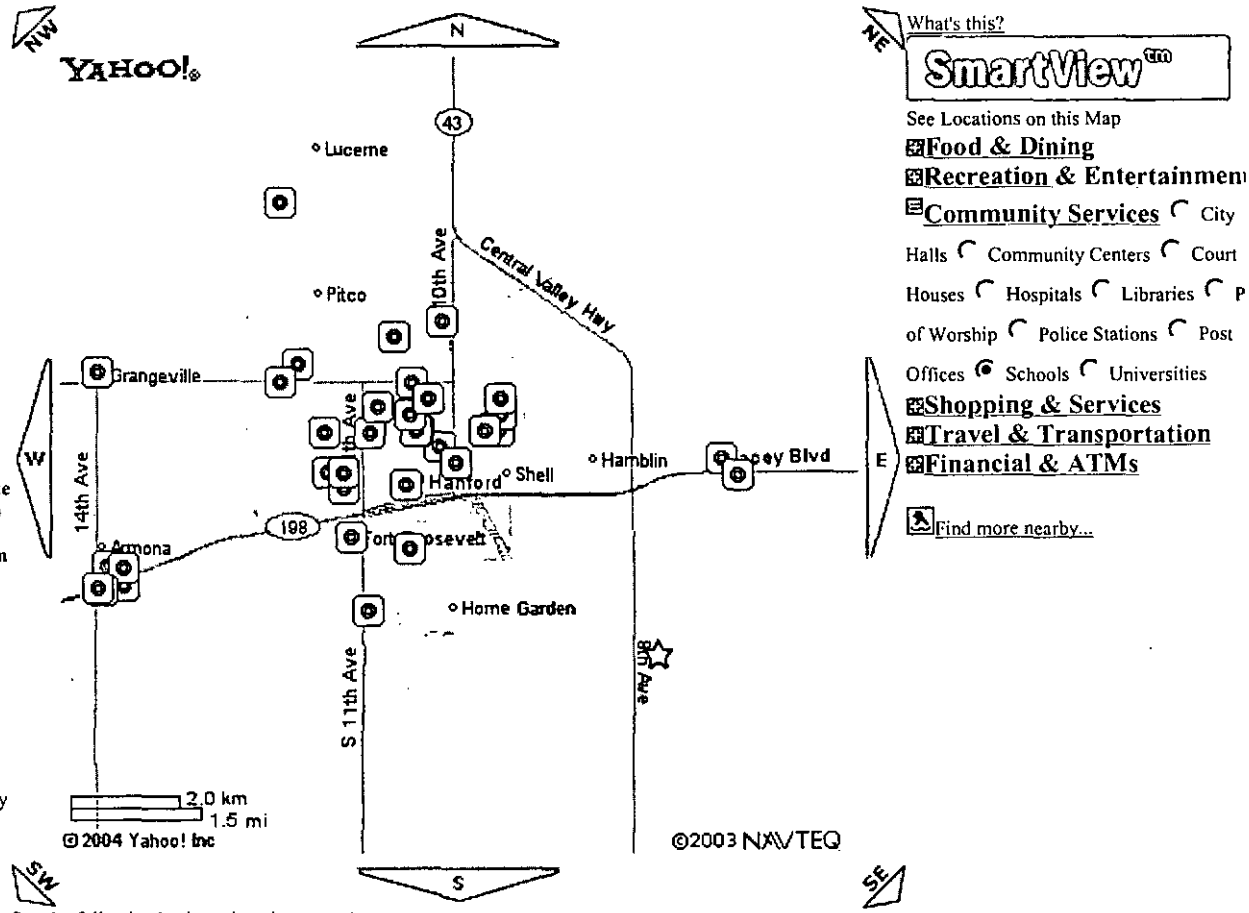
statefarm.com®

One-third of all crashes occur at intersections.
Where are the 10 most dangerous intersections in the U

Printable Version | Email Map | Link to this Map

☆ *7726 Houston Ave Hanford, CA 93230-9348*

Change Location | **Save this Address** | **Driving Directions: To this location or From this location**



Please Fax Copy to 7411858 TJC. BB

San Joaquin Valley Air Pollution Control District

www.valleyair.org

RECEIVED
OCT 26 2004
PERMIT SERVICES
SJVUAPCD

Permit Application For:

- [ ] AUTHORITY TO CONSTRUCT (ATC) - New Emission Unit.
- [X] AUTHORITY TO CONSTRUCT (ATC) - Modification Of Emission Unit With Valid PTO/Valid ATC.
- [ ] AUTHORITY TO CONSTRUCT (ATC) - Renewal of Valid Authority to Construct.
- [ ] PERMIT TO OPERATE (PTO) - Existing Emission Unit Now Requiring a Permit to Operate.

1. PERMIT TO BE ISSUED TO: Kings County Fire Department

2. MAILING ADDRESS: STREET/P.O. BOX: 1400 W. Lacey Blvd
CITY: Hanford STATE: Ca 9-DIGIT ZIP CODE: 93230

3. LOCATION WHERE THE EQUIPMENT WILL BE OPERATED: STREET: 7726 Houston Ave CITY: Hanford
/4 SECTION TOWNSHIP RANGE
WITHIN 1,000 FT OF A SCHOOL? [ ] YES [ ] NO
S.I.C. CODE(S) OF FACILITY (If known):

4. GENERAL NATURE OF BUSINESS: Fire Station
INSTALL DATE:

5. TITLE V PERMIT HOLDERS ONLY: Do you request a COC (EPA Review) prior to receiving your ATC? [ ] YES [ ] NO

6. DESCRIPTION OF EQUIPMENT OR MODIFICATION FOR WHICH APPLICATION IS MADE (include Permit #'s if known, and use additional sheets if necessary) 1000 gallon above ground tank moved from one Location (17160 S. 10th ave) to new Fire Station (7726 Houston) No change in equipment unless needed by APCD.

7. PERMIT REVIEW PERIOD: Do you request a three- or ten-day period to review the draft Authority to Construct permit? Please note that checking "YES" will delay issuance of your final permit by a corresponding number of working days. See instructions for more information on this review process. (3-day review) 10-day review No review requested

8. HAVE YOU EVER APPLIED FOR AN ATC OR PTO IN THE PAST? [X] YES [ ] NO If yes, ATC/PTO #: C-2116-2

9. HAVE ALL NECESSARY LAND-USE AUTHORIZATIONS BEEN OBTAINED? (If "No" is checked, please attach explanation.) [X] YES [ ] NO

10. IS THIS APPLICATION SUBMITTED AS THE RESULT OF EITHER A NOTICE OF VIOLATION OR A NOTICE TO COMPLY? [ ] YES [X] NO If yes, NOV/NTC #:

Optional Section
CHECK WHETHER YOU ARE A PARTICIPANT IN EITHER OF THESE VOLUNTARY PROGRAMS:
"SPARE THE AIR" [ ]Yes [ ]No [ ]Send info
"INSPECT" [ ]Yes [ ]No [ ]Send info

12. TYPE OR PRINT NAME OF APPLICANT: Sandi K Jones
TITLE OF APPLICANT: Contractor

13. SIGNATURE OF APPLICANT: Sandi K Jones DATE: 10-8-04
PHONE #: (559) 7327509
FAX #: 559 7411858
E-MAIL:

FOR APCD USE ONLY:

DATE STAMP: RECEIVED OCT 27 2004 FINANCE SJVUAPCD

FILING FEE RECEIVED: $ 60.00 CHECK #: 13223
DATE PAID: PM 10-26-04 gs
PROJECT #: C-1043656 FACILITY ID: C-2116

San Joaquin Valley
Air Pollution Control District

PERMIT UNIT: C-2116-2-0 **EXPIRATION DATE:** 09/30/2008

EQUIPMENT DESCRIPTION:
ONE 1,000 GALLON (500 GALLON GASOLINE/500 GALLON DIESEL) CONVAULT ABOVEGROUND STORAGE TANK SERVED BY TWO-POINT PHASE I VAPOR RECOVERY SYSTEM (G-70-142-B) AND ONE FUELING POINT WITH ONE PHASE II EXEMPT GASOLINE DISPENSING NOZZLE

PERMIT UNIT REQUIREMENTS

1. The Phase I vapor recovery system and its components shall be operated and maintained in accordance with the state certification requirements. [District Rule 4621]
2. No gasoline delivery vessel shall be operated or be allowed to operate unless valid State of California decals are displayed on the cargo tank which attest to the vapor integrity of the tank. [District Rule 4621]
3. Total gasoline throughput for the facility shall not exceed either of the following: 10,000 gallons in any consecutive 30-day period or 24,000 gallons per calendar year. If throughput exceeds stated limits, the permittee shall notify the district within 30 days and a certified Phase II vapor recovery system shall be installed. [District Rule 4622]
4. Permittee shall maintain records of monthly gasoline throughput. Records shall be retained as long as exempt status is claimed and made available to the District upon request. [District Rules 1070 and 4622]

San Joaquin Valley
Air Pollution Control District

FILE

Permit to Operate

FACILITY: C-2116 **EXPIRATION DATE:** 09/30/2008

LEGAL OWNER OR OPERATOR: KINGS COUNTY FIRE DEPARTMENT
MAILING ADDRESS: 280 N CAMPUS DR
HANFORD, CA 93230

FACILITY LOCATION: 7622 HOUSTON AVE
HANFORD, CA 93230

FACILITY DESCRIPTION: FIRE STATION

The Facility's Permit to Operate may include Facility-wide Requirements as well as requirements that apply to specific permit units.

This Permit to Operate remains valid through the permit expiration date listed above, subject to payment of annual permit fees and compliance with permit conditions and all applicable local, state, and federal regulations. This permit is valid only at the location specified above, and becomes void upon any transfer of ownership or location. Any modification of the equipment or operation, as defined in District Rule 2201, will require prior District approval. This permit shall be posted as prescribed in District Rule 2010.

David L. Crow
Executive Director / APCO

David Warner
Director of Permit Services

Sep 6 2005 7:53AM -- HARRISR

FILE

San Joaquin Valley
Air Pollution Control District

PERMIT UNIT: C-2116-2-1 **EXPIRATION DATE:** 09/30/2008

EQUIPMENT DESCRIPTION:
ONE 1,000 GALLON (500 GALLON GASOLINE/500 GALLON DIESEL) CONVAULT ABOVEGROUND STORAGE TANK SERVED BY TWO-POINT PHASE I VAPOR RECOVERY SYSTEM (G-70-142-B) AND ONE FUELING POINT WITH ONE PHASE II EXEMPT GASOLINE DISPENSING NOZZLE

PERMIT UNIT REQUIREMENTS

1. No air contaminant shall be released into the atmosphere which causes a public nuisance. [District Rule 4102]
2. No gasoline delivery vessel shall be operated or be allowed to operate unless valid State of California decals are displayed on the cargo tank which attest to the vapor integrity of the tank. [District Rule 4621]
3. Aboveground storage tank(s) shall be equipped with pressure/vacuum valves set to within 10 percent of the maximum working pressure of the tank. [District Rule 4621]
4. The Phase I vapor recovery system and its components shall be operated and maintained in accordance with the state certification requirements. [District Rule 4621]
5. Total gasoline throughput for the facility shall not exceed either of the following: 10,000 gallons in any consecutive 30-day period or 24,000 gallons per calendar year. If throughput exceeds stated limits, the permittee shall notify the district within 30 days and a certified Phase II vapor recovery system shall be installed. [District Rule 4622]
6. Permittee shall maintain records of monthly gasoline throughput. Records shall be retained as long as exempt status is claimed and made available to the District upon request. [District Rules 1070 and 4622]

San Joaquin Valley
Air Pollution Control District

FILE

AUTHORITY TO CONSTRUCT

PERMIT NO: C-2116-2-1 **ISSUANCE DATE:** 11/30/2004

LEGAL OWNER OR OPERATOR: KINGS COUNTY FIRE DEPARTMENT
MAILING ADDRESS: 1400 W LACEY BLVD
HANFORD, CA 93230

LOCATION: 17160 S TENTH AVE
HANFORD, CA 93230

EQUIPMENT DESCRIPTION:
GASOLINE DISPENSING OPERATION WITH ONE 1,000 GALLON SPLIT (500 GALLON GASOLINE/500 GALLON DIESEL) CONVAULT ABOVEGROUND STORAGE TANK SERVED BY TWO-POINT PHASE I VAPOR RECOVERY SYSTEM (G-70-142-B), AND 1 FUELING POINT WITH 1 PHASE II EXEMPT GASOLINE DISPENSING NOZZLE: MODIFICATION CONSISTS OF TRANSFER OF LOCATION OF ENTIRE STATIONARY SOURCE TO NEW SITE

CONDITIONS

1. The Phase I vapor recovery system and its components shall be operated and maintained in accordance with the state certification requirements. [District Rule 4621]
2. No gasoline delivery vessel shall be operated or be allowed to operate unless valid State of California decals are displayed on the cargo tank which attest to the vapor integrity of the tank. [District Rule 4621]
3. Total gasoline throughput for the facility shall not exceed either of the following: 10,000 gallons in any consecutive 30-day period or 24,000 gallons per calendar year. If throughput exceeds stated limits, the permittee shall notify the district within 30 days and a certified Phase II vapor recovery system shall be installed. [District Rule 4622]
4. Permittee shall maintain records of monthly gasoline throughput. Records shall be retained as long as exempt status is claimed and made available to the District upon request. [District Rules 1070 and 4622]

YOU MUST NOTIFY THE DISTRICT COMPLIANCE DIVISION AT (559) 230-5950 WHEN CONSTRUCTION IS COMPLETED AND PRIOR TO OPERATING THE EQUIPMENT OR MODIFICATIONS AUTHORIZED BY THIS AUTHORITY TO CONSTRUCT. This is NOT a PERMIT TO OPERATE. Approval or denial of a PERMIT TO OPERATE will be made after an inspection to verify that the equipment has been constructed in accordance with the approved plans, specifications and conditions of this Authority to Construct, and to determine if the equipment can be operated in compliance with all Rules and Regulations of the San Joaquin Valley Unified Air Pollution Control District. Unless construction has commenced pursuant to Rule 2050, this Authority to Construct shall expire and application shall be cancelled two years from the date of issuance. The applicant is responsible for complying with all laws, ordinances and regulations of all other governmental agencies which may pertain to the above equipment.

DAVID L. CROW, Executive Director / APCO

DAVID WARNER, Director of Permit Services
C-2116-2-1 : Nov 30 2004 9:48AM – BULLOCKB : Joint inspection NOT Required

Facility QA/QC Summary Report

Facility ID 16-2116 KINGS COUNTY FIRE DEPARTMENT (GALLUPJ)

Table

STKID	DEVID	PROID	POL	EF	EMS	SIC	SCC	Activity	UTME	UTMN	Comments	Hour	Day	Week

Facility Summary for
CO = 16, Facility ID 2116
KINGS COUNTY FIRE DEPARTMENT
Inventory Year 2006

CAS #	POLLUTANT NAME	Yearly EMISSIONS	HOURLY EMISSIONS	1/2 Applicable Degree
Device ID 1	Process ID 1	Description Tank Filling Loss		
1210	Xylenes (mixed)	1.34E-02	1.53E-06	50
16113	Reactive Organic Gas	2.79E-04	3.18E-08	
71432	Benzene	1.67E-03	1.91E-07	5
108883	Toluene	4.46E-02	5.09E-06	50
Device ID 1	Process ID 2	Description Vehicle Fueling		
1210	Xylenes (mixed)	2.68E-01	3.06E-05	50
16113	Reactive Organic Gas	5.58E-03	6.37E-07	
71432	Benzene	3.35E-02	3.82E-06	5
108883	Toluene	8.92E-01	1.02E-04	50
Device ID 1	Process ID 3	Description Process Spillage		
1210	Xylenes (mixed)	1.94E-02	2.22E-06	50
16113	Reactive Organic Gas	4.05E-04	4.62E-08	
71432	Benzene	2.43E-03	2.77E-07	5
108883	Toluene	6.48E-02	7.40E-06	50
Device ID 1	Process ID 4	Description Aboveground Tank Breathing Loss		
1210	Xylenes (mixed)	1.69E-03	1.93E-07	50
16113	Reactive Organic Gas	3.52E-05	4.02E-09	
71432	Benzene	2.11E-04	2.41E-08	5
108883	Toluene	5.63E-03	6.43E-07	50

Facility Summary

CAS	*NAME*				
1210	Xylenes (mixed)	LB-YR	= 0.3	LB-HR	= 3.45E-05
16113	Reactive Organic Gas	TONS-YR	= 0.01	TONS-HR	= 7.19E-07
71432	Benzene	LB-YR	= 0.04	LB-HR	= 4.31E-06
108883	Toluene	LB-YR	= 1.01	LB-HR	= 1.15E-04

SAN JOAQUIN VALLEY UNIFIED AIR POLLUTION CONTROL DISTRICT

1990 E. Gettysburg Ave., Fresno, CA 93726

(559) 230 - 6000

NON-CORE

C-1070461

WORKSHEET FOR THE ANNUAL EMISSION INVENTORY : 2006

RECEIVED
FEB 13 2007
Permits Srvc
SJVAPCD

KINGS COUNTY FIRE DEPARTMENT

280 N CAMPUS DR

HANFORD CA, 93230

FACILITY ID# : **C-2116**
TAD #:
SIC #:
PHONE #: #Error
TOXID:
US Form Required: No

SITE ADDRESS : 7622 HOUSTON AVE, HANFORD

Is this information considered;

[ ] CONFIDENTIAL
[X] NOT CONFIDENTIAL

Note: All requests for confidentiality must be supported by a written justification (Title 17, section 91010, California Administrative Code)

WorkSheet for Permit # : C-2116-2-1

ONE 1,000 GALLON (500 GALLON GASOLINE/500 GALLON DIESEL) CONVAULT ABOVEGROUND STORAGE TANK SERVED BY TWO-POINT PHASE I VAPOR RECOVERY SYSTEM (G-70-142-B) AND ONE FUELING POINT WITH ONE PHASE II EXEMPT GASOLINE DISPENSING NOZZLE

GASOLINE DISPENSING

Annual Throughput Rates

Gallons of Gasoline Dispensed (not including diesel): 1328

Distance to Nearest Business: 300 **(feet)**

Distance to Nearest Residence: 700 **(feet)**

Comments: Located in RURAL AREA, Large Fire STATION with 4 heavy Fire Trucks, Sheriffs Vehicles 3, various county Fire vehicles-

Facility Wide Relative Monthly Activity

If the facility has the same operating schedule year round, then please check the box next to the Default Monthly Activity. Otherwise provide the relative monthly activity expressed in percentage that the facility operates each month. Note: 100%/12 =8.3%.

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
[X] DEFAULT MONTHLY ACTIVITY	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3
MONTHLY RELATIVE ACTIVITY												

Daily Activity

Please indicate with a circles the normal operating schedule:

Hours per day: 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 (24)

Days per week: (Sunday Monday Tuesday Wednesday Thursday Friday Saturday)

General Information

Were any malfunctions or breakdowns of process or control equipment experienced which effect emissions ?

Yes Duration of Event(s) :

[X] No

Describe malfunction/breakdown quantity of emission and pollutant emitted :

Responsible Official Information

Questionnaire Answered By, Title	Jesse M. Venegas BATT-Chief
Telephone Number	()-1-559-582-3211 Ex-2883
Responsible Official	SAME AS Above -
Responsible Official Telephone Number	()- SAME AS Above -
Responsible Official Signature	Jesse M Venegas
Date	2/11/07

Facility QA/QC Summary Report

Facility ID 16-2116 KINGS COUNTY FIRE DEPARTMENT (GALLUPJ)

Table

STKID	DEVID	PROID	POL	EF	EMS	SIC	SCC	Activity	UTME	UTMN	Comments	Hour	Day	Week

Facility Summary for
CO = 16, Facility ID 2116
KINGS COUNTY FIRE DEPARTMENT
Inventory Year 2007

CAS #	POLLUTANT NAME	Yearly EMISSIONS	HOURLY EMISSIONS	1/2 Applicable Degree
Device ID 1	Process ID 1	Description Tank Filling Loss		
1210	Xylenes (mixed)	1.10E-02	1.25E-06	50
16113	Reactive Organic Gas	2.29E-04	2.61E-08	
71432	Benzene	1.37E-03	1.57E-07	5
108883	Toluene	3.66E-02	4.17E-06	50
Device ID 1	Process ID 2	Description Vehicle Fueling		
1210	Xylenes (mixed)	2.19E-01	2.50E-05	50
16113	Reactive Organic Gas	4.57E-03	5.22E-07	
71432	Benzene	2.74E-02	3.13E-06	5
108883	Toluene	7.31E-01	8.35E-05	50
Device ID 1	Process ID 3	Description Process Spillage		
1210	Xylenes (mixed)	1.59E-02	1.82E-06	50
16113	Reactive Organic Gas	3.32E-04	3.79E-08	
71432	Benzene	1.99E-03	2.27E-07	5
108883	Toluene	5.31E-02	6.06E-06	50
Device ID 1	Process ID 4	Description Aboveground Tank Breathing Loss		
1210	Xylenes (mixed)	1.38E-03	1.58E-07	50
16113	Reactive Organic Gas	2.88E-05	3.29E-09	
71432	Benzene	1.73E-04	1.98E-08	5
108883	Toluene	4.61E-03	5.27E-07	50

Facility Summary

CAS	*NAME*				
1210	Xylenes (mixed)	LB-YR	= 0.25	LB-HR	= 2.83E-05
16113	Reactive Organic Gas	TONS-YR	= 0.01	TONS-HR	= 5.89E-07
71432	Benzene	LB-YR	= 0.03	LB-HR	= 3.53E-06
108883	Toluene	LB-YR	= 0.83	LB-HR	= 9.43E-05

SAN JOAQUIN VALLEY UNIFIED AIR POLLUTION CONTROL DISTRICT

1990 E. Gettysburg Ave., Fresno, CA 93726

(559) 230 - 6000 FAX: (559) 230 - 6061

District Code: 7

WORKSHEET FOR THE ANNUAL EMISSION INVENTORY : 2007

Received
MAR 03 2008
SJVUAPCD

KINGS COUNTY FIRE DEPARTMENT

280 N CAMPUS DR

HANFORD CA, 93230

FACILITY ID#: **C-2116**
TAD #:
SIC #:

PHONE #: #Error

TOXID:
US Form Required: No

C-1080652

SITE ADDRESS :

7622 HOUSTON AVE, HANFORD

This information is considered:
[ ] CONFIDENTIAL*
[X] NOT CONFIDENTIAL

***NOTE:** To be considered confidential, request MUST be supported by written justification (per Title 17, section 91010, California Administrative Code).

WorkSheet for Permit # : C-2116-2-1

ONE 1,000 GALLON (500 GALLON GASOLINE/500 GALLON DIESEL) CONVAULT ABOVEGROUND STORAGE TANK SERVED BY TWO-POINT PHASE I VAPOR RECOVERY SYSTEM (G-70-142-B) AND ONE FUELING POINT WITH ONE PHASE II EXEMPT GASOLINE DISPENSING NOZZLE

GASOLINE DISPENSING

Annual Throughput Rates

Gallons of Gasoline Dispensed (not including diesel): 1088.4 =.00012425

Distance to Nearest Business: 300 **(feet)**

Distance to Nearest Residence: 700 **(feet)**

Comments: Located in RURAL AREA, Large Fire STATION - W/4 FTH, Sheriffs Vehicles, Misc county Vehicles -

Facility Wide Relative Monthly Activity

If the facility has the same operating schedule year round, then please check the Default Monthly Activity box. Otherwise, provide the percentage and months the facility operates. Note: The total percentage for the year must add up to 100%.

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
[X] DEFAULT MONTHLY ACTIVITY	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3
RELATIVE MONTHLY ACTIVITY												

Daily Activity

Please indicate with a circles the normal operating schedule:

Hours per day: 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 (24)

Days per week (Sunday Monday Tuesday Wednesday Thursday Friday Saturday)

General Information

Were any malfunctions or breakdowns of process or control equipment experienced which effect emissions ?

[ ] **Yes** Duration of Event(s) : _____

[X] **No**

Describe malfunction/breakdown quantity of emission and pollutant emitted : _____

Responsible Official Information

Questionnaire Answered By, Title	BATTalion Chief -
Telephone Number	( ) - 559 - 582-3211 Ex-2883
Responsible Official	Jesse M. Venegas
Responsible Official Telephone Number	( ) - 559 - 582-3211 Ex-2883
Responsible Official Signature	Jesse M Venegas
Date	2/28/08

San Joaquin Valley
AIR POLLUTION CONTROL DISTRICT

FILE

Permit to Operate

FACILITY: C-2116 **EXPIRATION DATE:** 09/30/2013

LEGAL OWNER OR OPERATOR: KINGS COUNTY FIRE DEPARTMENT
MAILING ADDRESS: 280 N CAMPUS DR
HANFORD, CA 93230

FACILITY LOCATION: 7622 HOUSTON AVE
HANFORD, CA 93230

FACILITY DESCRIPTION: FIRE STATION

The Facility's Permit to Operate may include Facility-wide Requirements as well as requirements that apply to specific permit units.

This Permit to Operate remains valid through the permit expiration date listed above, subject to payment of annual permit fees and compliance with permit conditions and all applicable local, state, and federal regulations. This permit is valid only at the location specified above, and becomes void upon any transfer of ownership or location. Any modification of the equipment or operation, as defined in District Rule 2201, will require prior District approval. This permit shall be posted as prescribed in District Rule 2010.

Seyed Sadredin
Executive Director / APCO

David Warner
Director of Permit Services

Sep 8 2008 9:21AM -- HORIOJ

San Joaquin Valley
Air Pollution Control District

FILE

PERMIT UNIT: C-2116-2-1 **EXPIRATION DATE:** 09/30/2013

EQUIPMENT DESCRIPTION:
GASOLINE DISPENSING OPERATION WITH ONE 1,000 GALLON SPLIT (500 GALLON GASOLINE/500 GALLON DIESEL) CONVAULT ABOVEGROUND STORAGE TANK SERVED BY TWO-POINT PHASE I VAPOR RECOVERY SYSTEM (G-70-142-B) AND 1 FUELING POINT WITH 1 PHASE II EXEMPT GASOLINE DISPENSING NOZZLE

PERMIT UNIT REQUIREMENTS

1. No air contaminant shall be released into the atmosphere which causes a public nuisance. [District Rule 4102]
2. No gasoline delivery vessel shall be operated or be allowed to operate unless valid State of California decals are displayed on the cargo tank which attest to the vapor integrity of the tank. [District Rule 4621]
3. Aboveground storage tank(s) shall be equipped with pressure/vacuum valves set to within 10 percent of the maximum working pressure of the tank. [District Rule 4621]
4. The Phase I vapor recovery system and its components shall be operated and maintained in accordance with the state certification requirements. [District Rule 4621]
5. Total gasoline throughput for the facility shall not exceed either of the following: 10,000 gallons in any consecutive 30-day period or 24,000 gallons per calendar year. If throughput exceeds stated limits, the permittee shall notify the district within 30 days and a certified Phase II vapor recovery system shall be installed. [District Rule 4622]
6. Permittee shall maintain records of monthly gasoline throughput. Records shall be retained as long as exempt status is claimed and made available to the District upon request. [District Rules 1070 and 4622]

Facility QA/QC Summary Report

Facility ID 16-2116 KINGS COUNTY FIRE DEPARTMENT (GALLUPJ)

Table

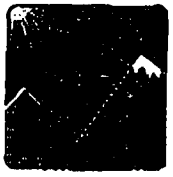
STKID	DEVID	PROID	POL	EF	EMS	SIC	SCC	Activity	UTME	UTMN	Comments	Hour	Day	Week

Facility Summary for
CO = 16, Facility ID 2116
KINGS COUNTY FIRE DEPARTMENT
Inventory Year 2008

CAS #	POLLUTANT NAME	Yearly EMISSIONS	HOURLY EMISSIONS	1/2 Applicable Degree
Device ID 1	Process ID 1	Description Tank Filling Loss		
16113	Reactive Organic Gas	3.69E-04	2.61E-08	
71432	Benzene	2.22E-03	1.57E-07	5
108883	Toluene	5.91E-02	4.17E-06	50
1330207	Xylenes (mixed)	1.78E-02	1.25E-06	
Device ID 1	Process ID 2	Description Vehicle Fueling		
16113	Reactive Organic Gas	7.39E-03	5.22E-07	
71432	Benzene	4.43E-02	3.13E-06	5
108883	Toluene	1.18E+00	8.35E-05	50
1330207	Xylenes (mixed)	3.55E-01	2.50E-05	
Device ID 1	Process ID 3	Description Process Spillage		
16113	Reactive Organic Gas	5.37E-04	3.79E-08	
71432	Benzene	3.22E-03	2.27E-07	5
108883	Toluene	8.58E-02	6.06E-06	50
1330207	Xylenes (mixed)	2.58E-02	1.82E-06	
Device ID 1	Process ID 4	Description Aboveground Tank Breathing Loss		
16113	Reactive Organic Gas	4.66E-05	3.29E-09	
71432	Benzene	2.80E-04	1.98E-08	5
108883	Toluene	7.46E-03	5.27E-07	50
1330207	Xylenes (mixed)	2.24E-03	1.58E-07	

Facility Summary

CAS	*NAME*				
16113	Reactive Organic Gas	TONS-YR	= 0.01	TONS-HR	= 5.89E-07
71432	Benzene	LB-YR	= 0.05	LB-HR	= 3.53E-06
108883	Toluene	LB-YR	= 1.33	LB-HR	= 9.43E-05
1330207	Xylenes (mixed)	LB-YR	= 0.4	LB-HR	= 2.83E-05



SAN JOAQUIN VALLEY UNIFIED AIR POLLUTION CONTROL DISTRICT

1990 E. Gettysburg Ave., Fresno, CA 93726

(559) 230 - 6000 **District Priority Code 7**

WORKSHEET FOR THE ANNUAL EMISSION INVENTORY : 2008

KINGS COUNTY FIRE DEPARTMENT

280 N CAMPUS DR

HANFORD CA, 93230

C-1090829

FACILITY ID# : **C-2116**
TAD #:
SIC #: 5541

PHONE #: (559) 582-3211

TOXID:
US Form Required: No

SITE ADDRESS : 7622 HOUSTON AVE. HANFORD

Is this information considered;

[ ] **CONFIDENTIAL**
[X] **NOT CONFIDENTIAL**

Note: All requests for confidentiality must be supported by a written justification (Title 17, section 91010, California Administrative Code)

WorkSheet for Permit # : C-2116-2-1

GASOLINE DISPENSING OPERATION WITH ONE 1,000 GALLON SPLIT (500 GALLON GASOLINE/500 GALLON DIESEL) CONVAULT ABOVEGROUND STORAGE TANK SERVED BY TWO-POINT PHASE I VAPOR RECOVERY SYSTEM (G-70-142-B) AND 1 FUELING POINT WITH 1 PHASE II EXEMPT GASOLINE DISPENSING NOZZLE

GASOLINE DISPENSING

Annual Throughput Rates

Gallons of Gasoline Dispensed (not including diesel): 1759.2 gals -

Distance to Nearest Business: 300 **(feet)**

Distance to Nearest Residence: 700 **(feet)**

Comments: located in a UNINCORPORATED ~~AREA~~ AREA of KINGS County -

Facility Wide Relative Monthly Activity

If the facility has the same operating schedule year round, then please check the box next to the Default Monthly Activity. Otherwise provide the relative monthly activity expressed in percentage that the facility operates each month. Note: 100%/12 =8.3%.

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
☐ DEFAULT MONTHLY ACTIVITY	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3
MONTHLY RELATIVE ACTIVITY												

Daily Activity

Please indicate with a circles the normal operating schedule:

Hours per day: 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 (24)

Days per week: (Sunday Monday Tuesday Wednesday Thursday Friday Saturday)

General Information

Were any malfunctions or breakdowns of process or control equipment experienced which effect emissions ?

☐ Yes Duration of Event(s) : _____

☒ No

Describe malfunction/breakdown quantity of emission and pollutant emitted : _____

Responsible Official Information

Questionnaire Answered By, Title	JESSE VENEGAS
Telephone Number	(559) 582-3211 EXT-2883
Responsible Official	JESSE VENEGAS
Responsible Official Telephone Number	(559) 582-3211 EXT-2883
Responsible Official Signature	Jesse M Venegas
Date	2/17/09

San Joaquin Valley
AIR POLLUTION CONTROL DISTRICT

HEALTHY AIR LIVING™

Permit to Operate

FACILITY: C-2116 **EXPIRATION DATE:** 09/30/2018

LEGAL OWNER OR OPERATOR: KINGS COUNTY FIRE DEPARTMENT
MAILING ADDRESS: 280 N CAMPUS DR
HANFORD, CA 93230

FACILITY LOCATION: 7622 HOUSTON AVE
HANFORD, CA 93230

FACILITY DESCRIPTION: FIRE STATION

The Facility's Permit to Operate may include Facility-wide Requirements as well as requirements that apply to specific permit units.

This Permit to Operate remains valid through the permit expiration date listed above, subject to payment of annual permit fees and compliance with permit conditions and all applicable local, state, and federal regulations. This permit is valid only at the location specified above, and becomes void upon any transfer of ownership or location. Any modification of the equipment or operation, as defined in District Rule 2201, will require prior District approval. This permit shall be posted as prescribed in District Rule 2010.

Seyed Sadredin
Executive Director / APCO

David Warner
Director of Permit Services

Sep 5 2013 12:07PM – MCDONOUD

San Joaquin Valley
Air Pollution Control District

PERMIT UNIT: C-2116-2-1 **EXPIRATION DATE:** 09/30/2018

EQUIPMENT DESCRIPTION:
GASOLINE DISPENSING OPERATION WITH ONE 1,000 GALLON SPLIT (500 GALLON GASOLINE/500 GALLON DIESEL) CONVAULT ABOVEGROUND STORAGE TANK SERVED BY TWO-POINT PHASE I VAPOR RECOVERY SYSTEM (G-70-142-B), AND 1 FUELING POINT WITH 1 PHASE II EXEMPT GASOLINE DISPENSING NOZZLE

PERMIT UNIT REQUIREMENTS

1. The Phase I vapor recovery system shall be installed and maintained in accordance with the manufacturer specifications and the ARB Executive Order specified in this permit, including applicable rules and regulations of the Division of Measurement Standards of the Department of Food and Agriculture, the Office of the State Fire Marshal of the Department of Forestry and Fire Protection, the Division of Occupational Safety and Health of the Department of Industrial Relations, and the Division of Water Quality of the State Water Resources Control Board that have been made conditions of the certification. [District Rule 4621]
2. The storage container(s) shall be installed, maintained, and operated such that they are leak-free. [District Rule 4621]
3. No air contaminant shall be released into the atmosphere which causes a public nuisance. [District Rule 4102]
4. The Phase I vapor recovery systems and gasoline dispensing equipment shall be maintained without leaks as determined in accordance with the test method specified in this permit. [District Rule 4621]
5. A leak is defined as the dripping of VOC-containing liquid at a rate of more than three (3) drops per minute, or the detection of any gaseous or vapor emissions with a concentration of total organic compound greater than 10,000 ppmv, as methane, above background when measured in accordance with EPA Test Method 21. [District Rule 4621]
6. No gasoline delivery vessel shall be operated or be allowed to operate unless valid State of California decals are displayed on the cargo container, which attest to the vapor integrity of the container. [District Rule 4621]
7. The permittee shall conduct periodic maintenance inspections based on the greatest monthly throughput of gasoline dispensed by the facility in the previous year as follows: A) less than 2,500 gallons - one day per month; B) 2,500 to less than 25,000 gallons - one day per week; or C) 25,000 gallons or greater - five days per week. All inspections shall be documented within the O & M Manual. [District Rule 4621]
8. Periodic maintenance inspections of the Phase I vapor recovery system shall include, at a minimum, verification that 1) the fill caps and vapor caps are not missing, damaged, or loose; 2) the fill cap gasket and vapor cap gaskets are not missing or damaged; 3) the fill adapter and vapor adapter are securely attached to the risers; 4) where applicable, the spring-loaded submerged fill tube seals properly against the coaxial tubing; 5) the dry break (poppet-valve) is not missing or damaged; and 6) the submerged fill tube is not missing or damaged. [District Rule 4621]
9. The permittee shall conduct all periodic vapor recovery system performance tests specified in this permit, no more than 30 days before or after the required compliance testing date, unless otherwise required under the applicable ARB Executive Order. [District Rule 4621]
10. The permittee shall perform and pass a Static Leak Test for Aboveground Tanks using ARB TP-201.3B or TP-206.3 at least once every 36 months. [District Rule 4621]
11. The permittee shall notify the District at least 7 days prior to each performance test. The test results shall be submitted to the District no later than 30 days after the completion of each test. [District Rule 4621]

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

12. A person performing installation of, or maintenance on, a certified Phase I vapor recovery system shall be certified by the ICC for Vapor Recovery System Installation and Repair, or work under the direct and personal supervision of an individual physically present at the work site who is certified. The ICC certification shall be renewed every 24 months. [District Rule 4621]
13. Proof of the ICC certification and all other certifications required by the Executive Order and installation and operation manual shall be made available onsite. [District Rule 4621]
14. A person conducting testing of, or repairs to, a certified vapor recovery system shall be in compliance with District Rule 1177 (Gasoline Dispensing Facility Tester Certification). [District Rule 4621]
15. Total gasoline throughput for the facility shall not exceed either of the following: 10,000 gallons in any consecutive 30-day period or 24,000 gallons per calendar year. If throughput exceeds stated limits, the permittee shall submit a complete application for an Authority to Construct (ATC) to the District within 30 days of the loss of exemption and install and test a certified Phase II vapor recovery system within six (6) months from the date the ATC is issued. [District Rule 4622]
16. The permittee shall maintain monthly and annual gasoline throughput records. The records should allow the gasoline throughput for any 30-day period to be continuously determined. These records shall be maintained on the premises as long as exempt status is claimed. [District Rules 4621 and 4622]
17. All records required by this permit shall be retained on-site for a period of at least five years and shall be made available for District inspection upon request. [District Rule 4621]

San Joaquin Valley
AIR POLLUTION CONTROL DISTRICT

HEALTHY AIR LIVING™

July 5, 2016

Kings County Fire Department
280 N Campus Dr
Hanford, CA 93230

Subject: 18,000 Gallon Exemption From Phase I EVR Upgrade Requirements For Aboveground Gasoline Storage Tanks
Facility #: C-2116 Project #: C-1142411

To Whom It May Concern:

As of April 1, 2016, the California Air Resources Board (CARB) approved amendments to the 2008 Aboveground Storage Tank (AST) Vapor Recovery Regulation. The approved amendments exempted certain aboveground gasoline storage tanks from the Phase I Enhanced Vapor Recovery (EVR) upgrade requirements. The exemption is based on a facility's ability to meet an annual gasoline throughput limit of 18,000 gallons or less. Standing Loss Control requirements are however still required for all non-agricultural tanks over 250 gallons, and on all agricultural tanks over 550 gallons.

Pending the decision on the proposed amendments, you submitted an application to San Joaquin Air Pollution Control District (District) seeking the above Phase I EVR exemption. As a result of the District's evaluation of your application, enclosed is the Permit to Operate for the subject facility with a maximum 18,000 gallon per year throughput limit and the invoices for permit application fees if applicable and/or engineering evaluation fees, which were calculated pursuant to District Rule 3010 – *Permit Fee*.

Review the enclosed information for accuracy; if correct, please pay the amount owed, and include the remittance section of the invoice within 60 days.

If you have any questions regarding this matter or require additional information, you are encouraged to contact Trevor Joy at (559) 230-5922. Thank you for your cooperation and prompt response.

Sincerely,

Michael Carrera
Compliance Manager

Enclosures

Seyed Sadredin
Executive Director/Air Pollution Control Officer

Northern Region
4800 Enterprise Way
Modesto, CA 95356-8718
Tel: (209) 557-6400 FAX: (209) 557-6475

Central Region (Main Office)
1990 E. Gettysburg Avenue
Fresno, CA 93726-0244
Tel: (559) 230-6000 FAX: (559) 230-6061

Southern Region
34946 Flyover Court
Bakersfield, CA 93308-9725
Tel: 661-392-5500 FAX: 661-392-5585

www.valleyair.org www.healthyairliving.com

Printed on recycled paper.

San Joaquin Valley
AIR POLLUTION CONTROL DISTRICT

HEALTHY AIR LIVING™

Permit to Operate

FACILITY: C-2116 **EXPIRATION DATE:** 09/30/2018

LEGAL OWNER OR OPERATOR: KINGS COUNTY FIRE DEPARTMENT
MAILING ADDRESS: 280 N CAMPUS DR
HANFORD, CA 93230

FACILITY LOCATION: 7622 HOUSTON AVE
HANFORD, CA 93230

FACILITY DESCRIPTION: FIRE STATION

The Facility's Permit to Operate may include Facility-wide Requirements as well as requirements that apply to specific permit units.

This Permit to Operate remains valid through the permit expiration date listed above, subject to payment of annual permit fees and compliance with permit conditions and all applicable local, state, and federal regulations. This permit is valid only at the location specified above, and becomes void upon any transfer of ownership or location. Any modification of the equipment or operation, as defined in District Rule 2201, will require prior District approval. This permit shall be posted as prescribed in District Rule 2010.

Seyed Sadredin
Executive Director / APCO

Arnaud Marjollet
Director of Permit Services

Jul 5 2016 11:30AM – JOYT

San Joaquin Valley
Air Pollution Control District

PERMIT UNIT: C-2116-2-2 **EXPIRATION DATE:** 09/30/2018

EQUIPMENT DESCRIPTION:
GASOLINE DISPENSING OPERATION WITH ONE 1,000 GALLON SPLIT (500 GALLON GASOLINE/500 GALLON DIESEL) CONVAULT ABOVEGROUND STORAGE TANK SERVED BY TWO-POINT PHASE I VAPOR RECOVERY SYSTEM (G-70-116-F), STANDING LOSS CONTROL (VR-301-E) AND 1 FUELING POINT WITH 1 PHASE II EXEMPT GASOLINE DISPENSING NOZZLE

PERMIT UNIT REQUIREMENTS

1. The Phase I vapor recovery system shall be installed and maintained in accordance with the manufacturer specifications and the ARB Executive Order specified in this permit, including applicable rules and regulations of the Division of Measurement Standards of the Department of Food and Agriculture, the Office of the State Fire Marshal of the Department of Forestry and Fire Protection, the Division of Occupational Safety and Health of the Department of Industrial Relations, and the Division of Water Quality of the State Water Resources Control Board that have been made conditions of the certification. [District Rule 4621]
2. The storage container(s) shall be installed, maintained, and operated such that they are leak-free. [District Rule 4621]
3. No air contaminant shall be released into the atmosphere which causes a public nuisance. [District Rule 4102]
4. The Phase I vapor recovery systems and gasoline dispensing equipment shall be maintained without leaks as determined in accordance with the test method specified in this permit. [District Rule 4621]
5. A leak is defined as the dripping of VOC-containing liquid at a rate of more than three (3) drops per minute, or the detection of any gaseous or vapor emissions with a concentration of total organic compound greater than 10,000 ppmv, as methane, above background when measured in accordance with EPA Test Method 21. [District Rule 4621]
6. No gasoline delivery vessel shall be operated or be allowed to operate unless valid State of California decals are displayed on the cargo container, which attest to the vapor integrity of the container. [District Rule 4621]
7. The permittee shall conduct periodic maintenance inspections based on the greatest monthly throughput of gasoline dispensed by the facility in the previous year as follows: A) less than 2,500 gallons - one day per month; B) 2,500 to less than 25,000 gallons - one day per week; or C) 25,000 gallons or greater - five days per week. All inspections shall be documented within the O & M Manual. [District Rule 4621]
8. Periodic maintenance inspections of the Phase I vapor recovery system shall include, at a minimum, verification that 1) the fill caps and vapor caps are not missing, damaged, or loose; 2) the fill cap gasket and vapor cap gaskets are not missing or damaged; 3) the fill adapter and vapor adapter are securely attached to the risers; 4) where applicable, the spring-loaded submerged fill tube seals properly against the coaxial tubing; 5) the dry break (poppet-valve) is not missing or damaged; and 6) the submerged fill tube is not missing or damaged. [District Rule 4621]
9. The permittee shall conduct all periodic vapor recovery system performance tests specified in this permit, no more than 30 days before or after the required compliance testing date, unless otherwise required under the applicable ARB Executive Order. [District Rule 4621]
10. The permittee shall perform and pass a Static Leak Test for Aboveground Tanks using ARB TP-201.3B or TP-206.3 at least once every 36 months. [District Rule 4621]
11. The permittee shall notify the District at least 7 days prior to each performance test. The test results shall be submitted to the District no later than 30 days after the completion of each test. [District Rule 4621]

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

12. A person performing installation of, or maintenance on, a certified Phase I vapor recovery system shall be certified by the ICC for Vapor Recovery System Installation and Repair, or work under the direct and personal supervision of an individual physically present at the work site who is certified. The ICC certification shall be renewed every 24 months. [District Rule 4621]
13. Proof of the ICC certification and all other certifications required by the Executive Order and installation and operation manual shall be made available onsite. [District Rule 4621]
14. A person conducting testing of, or repairs to, a certified vapor recovery system shall be in compliance with District Rule 1177 (Gasoline Dispensing Facility Tester Certification). [District Rule 4621]
15. For Phase I Vapor Recovery System compliance, the gasoline throughput for this permit unit shall not exceed 18,000 gallons in any one calendar year. If throughput exceeds stated limits, the permittee shall submit a complete application for an Authority to Construct (ATC) to the District within 30 days of the loss of exemption and install and test a certified Phase I EVR vapor recovery system within six (6) months from the date the ATC is issued. [District Rule 4621]
16. For Phase II Vapor Recovery System compliance, total gasoline throughput for the facility shall not exceed either of the following: 10,000 gallons in any consecutive 30-day period or 24,000 gallons per calendar year. If throughput exceeds stated limits, the permittee shall submit a complete application for an Authority to Construct (ATC) to the District within 30 days of the loss of exemption and install and test a certified Phase II vapor recovery system within six (6) months from the date the ATC is issued. [District Rule 4622]
17. The permittee shall maintain monthly and annual gasoline throughput records. The records should allow the gasoline throughput for any 30-day period to be continuously determined. These records shall be maintained on the premises as long as exempt status is claimed. [District Rules 4621 and 4622]
18. All records required by this permit shall be retained on-site for a period of at least five years and shall be made available for District inspection upon request. [District Rule 4621]

San Joaquin Valley
AIR POLLUTION CONTROL DISTRICT

Due Date	Amount Due
9/6/2016	$ 194.00

Amount Enclosed

ATCFEE C1142411
2116 C248949 6/23/2016

RETURN THIS TOP PORTION ONLY, WITH REMITTANCE TO:

KINGS COUNTY FIRE DEPARTMENT
280 N CAMPUS DR
HANFORD, CA 93230

SJVAPCD
1990 E. Gettysburg Avenue
Fresno, CA 93726-0244

Thank You!

San Joaquin Valley
AIR POLLUTION CONTROL DISTRICT

Facility ID	Invoice Date	Invoice Number
C2116	6/23/2016	C248949

SJVAPCD Tax ID: 77-0262563

Invoice Type
Project: C1142411

KINGS COUNTY FIRE DEPARTMENT
7622 HOUSTON AVE
HANFORD, CA 93230

PROJECT NUMBER: 1142411

APPLICATION FILING FEES	$ 71.00
ENGINEERING TIME FEES	$ 194.00
TOTAL FEES	$ 265.00
LESS PREVIOUSLY PAID PROJECT FEES APPLIED TO THIS INVOICE	($ 71.00)
PROJECT FEES DUE (Enclosed is a detailed statement outlining the fees for each item.)	**$ 194.00**

Late Payment (see Rule 3010, Section 11.0 Late Fees)	
Postmarked	Total Due
After 9/6/2016 through 9/16/2016	$ 213.40
After 9/16/2016	$ 291.00
After 10/6/2016	Permits To Operate MAY BE SUSPENDED

Printed on Recycled Paper

San Joaquin Valley Air Pollution Control District

Invoice Detail

Facility ID: C2116

KINGS COUNTY FIRE DEPARTMENT
7622 HOUSTON AVE
HANFORD, CA 93230

Invoice Nbr: C248949
Invoice Date: 6/23/2016
Page: 1

Application Filing Fees

Project Nbr	Permit Number	Description	Application Fee
C1142411	C-2116-2-2	GASOLINE DISPENSING OPERATION WITH ONE 1,000 GALLON SPLIT (500 GALLON GASOLINE/500 GALLON DIESEL) CONVAULT ABOVEGROUND STORAGE TANK SERVED BY TWO-POINT PHASE I VAPOR RECOVERY SYSTEM (G-70-116-F), STANDING LOSS CONTROL (VR-301-E) AND 1 FUELING POINT WITH 1 PHASE II EXEMPT GASOLINE DISPENSING NOZZLE	$ 71.00
		Total Application Filing Fees:	**$ 71.00**

Engineering Time Fees

Project Nbr	Quantity	Rate	Description	Fee
C1142411	2.5 hours	$ 106.00 /h	Standard Engineering Time	$ 265.00
			Less Credit For Application Filing Fees	($ 71.00)
			Standard Engineering Time SubTotal	$ 194.00
			Total Engineering Time Fees:	**$ 194.00**

San Joaquin Valley Air Pollution Control District

www.valleyair.org

RECEIVED

AUG 19 2014

Permits Services
SJVAPCD

HEALTHY AIR LIVING

Permit Application For:

[ ] AUTHORITY TO CONSTRUCT (ATC) - New Emission Unit
[X] AUTHORITY TO CONSTRUCT (ATC) - Modification Of Emission Unit With Valid PTO/Valid ATC
[ ] AUTHORITY TO CONSTRUCT (ATC) - Renewal of Valid Authority to Construct
[ ] PERMIT TO OPERATE (PTO) - Existing Emission Unit Now Requiring a Permit to Operate

1. PERMIT TO BE ISSUED TO: Kings County Fire Department

2. MAILING ADDRESS:
STREET/P.O. BOX: 280 N. Campus Dr.
CITY: Hanford STATE: CA 9-DIGIT ZIP CODE: 93230

3. LOCATION WHERE THE EQUIPMENT WILL BE OPERATED: So. Hanford Fire Station
STREET: 7622 Houston Ave. CITY: Hanford, CA
93230 ?4 SECTION _____ TOWNSHIP _____ RANGE _____

WITHIN 1,000 FT OF A SCHOOL?
[ ] YES [X] NO

4. GENERAL NATURE OF BUSINESS: Fire Station

S.I.C. CODE(S) OF FACILITY (*If known*):

5. TITLE V PERMIT HOLDERS ONLY: Do you request a COC (EPA Review) prior to receiving your ATC
[ ] YES *If yes, please complete and attach a Compliance Certification form (TVFORM-009)*?
[X] NO

6. DESCRIPTION OF EQUIPMENT OR MODIFICATION FOR WHICH APPLICATION IS MADE
(*Please include Permit #'s if known, and use additional sheets if necessary*) Application for 18,000 gallon through put limit in order to be exempt from Phase 1 upgrade.

EQUIPMENT INSTALLATION or MODIFICATION DATE: _____

7. PERMIT REVIEW PERIOD: Do you request a three- or ten-day period to review the draft Authority to Construct permit? *Please note that requesting a review period will delay issuance of your final permit by a corresponding number of working days. See instructions for more information on this review process.*
[ ] 3-day review
[ ] 10-day review
[X] No review requested

8. HAVE YOU EVER APPLIED FOR AN ATC OR PTO IN THE PAST?
[X] YES *If yes, ATC/PTO #: C2116*
[ ] NO

9. IS THIS APPLICATION FOR THE CONSTRUCTION OF A NEW FACILITY?
[ ] YES *If "Yes", please complete the CEQA Information form.*
[X] NO *If "No", is the proposed equipment or project allowed:*
- *by the current Conditional Use Permit or other Land Use Permit?* [X] YES [ ] NO
- *or by Right?* [ ] YES [ ] NO

10. IS THIS APPLICATION SUBMITTED AS THE RESULT OF EITHER A NOTICE OF VIOLATION OR A NOTICE TO COMPLY?
[ ] YES *If yes, NOV/NTC #:* _____
[X] NO

Optional Section

11. DO YOU WANT TO RECEIVE INFORMATION ABOUT EITHER OF THE FOLLOWING VOLUNTARY PROGRAMS?
[ ] "HEALTHY AIR LIVING (HAL) BUSINESS PARTNER"
[ ] "INSPECT"

12. TYPE OR PRINT NAME OF APPLICANT: Gary B. Curtis

TITLE OF APPLICANT: Assistant Fire Chief

13. SIGNATURE OF APPLICANT: Gary B. Curtis DATE: 8/6/2014

PHONE #: (559) 852-2884
CELL PHONE #: (559) 816-2707
FAX #: (559) 582-8261
E-MAIL: gary.curtis@co.kings.ca.us

FOR APCD USE ONLY:

DATE STAMP:

FILING FEE RECEIVED: $ 71.00 (355.00) CHECK #: 1087550
DATE PAID: AUG 19 2014
PROJECT #: C-1142411 FACILITY ID: C-2116

Permit to Operate

FACILITY: C-2116 **EXPIRATION DATE:** 09/30/2023

LEGAL OWNER OR OPERATOR: KINGS COUNTY FIRE DEPARTMENT
MAILING ADDRESS: 280 N CAMPUS DR
HANFORD, CA 93230

FACILITY LOCATION: 7622 HOUSTON AVE
HANFORD, CA 93230

FACILITY DESCRIPTION: FIRE PROTECTION

The Facility's Permit to Operate may include Facility-wide Requirements as well as requirements that apply to specific permit units.

This Permit to Operate remains valid through the permit expiration date listed above, subject to payment of annual permit fees and compliance with permit conditions and all applicable local, state, and federal regulations. This permit is valid only at the location specified above, and becomes void upon any transfer of ownership or location. Any modification of the equipment or operation, as defined in District Rule 2201, will require prior District approval. This permit shall be posted as prescribed in District Rule 2010.

Samir Sheikh
Executive Director / APCO

Arnaud Marjollet
Director of Permit Services

Aug 7 2018 11:01AM -- MCDONOUD

San Joaquin Valley
Air Pollution Control District

PERMIT UNIT: C-2116-2-2 **EXPIRATION DATE:** 09/30/2023

EQUIPMENT DESCRIPTION:
GASOLINE DISPENSING OPERATION WITH ONE 1,000 GALLON SPLIT (500 GALLON GASOLINE/500 GALLON DIESEL) CONVAULT ABOVEGROUND STORAGE TANK SERVED BY TWO-POINT PHASE I VAPOR RECOVERY SYSTEM (G-70-116-F), STANDING LOSS CONTROL (VR-301-E), AND 1 FUELING POINT WITH 1 PHASE II EXEMPT GASOLINE DISPENSING NOZZLE

PERMIT UNIT REQUIREMENTS

1. The Phase I and Standing Loss Control Vapor recovery systems shall be installed and maintained in accordance with the manufacturer specifications and the ARB Executive Orders specified in this permit, including applicable rules and regulations of the Division of Measurement Standards of the Department of Food and Agriculture, the Office of the State Fire Marshal of the Department of Forestry and Fire Protection, the Division of Occupational Safety and Health of the Department of Industrial Relations, and the Division of Water Quality of the State Water Resources Control Board that have been made conditions of the certification. [District Rule 4621 and CH&SC 41950]
2. This gasoline storage and dispensing equipment shall not be used in retail sales, where gasoline dispensed by the unit is subject to payment of California sales tax on gasoline sales. [District Rule 4621]
3. The storage container(s) shall be installed, maintained, and operated such that they are leak-free. [District Rule 4621]
4. No air contaminant shall be released into the atmosphere which causes a public nuisance. [District Rule 4102]
5. The Phase I vapor recovery systems and gasoline dispensing equipment shall be maintained without leaks as determined in accordance with the test method specified in this permit. [District Rule 4621]
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PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

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13. A person performing installation of, or maintenance on, a certified Phase I vapor recovery system shall be certified by the ICC for Vapor Recovery System Installation and Repair, or work under the direct and personal supervision of an individual physically present at the work site who is certified. The ICC certification shall be renewed every 24 months. [District Rule 4621]
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17. For Phase II Vapor Recovery System compliance, total gasoline throughput for the facility shall not exceed either of the following: 10,000 gallons in any consecutive 30-day period or 24,000 gallons per calendar year. If throughput exceeds stated limits, the permittee shall submit a complete application for an Authority to Construct (ATC) to the District within 30 days of the loss of exemption and install and test a certified Phase II vapor recovery system within six (6) months from the date the ATC is issued. [District Rule 4622]
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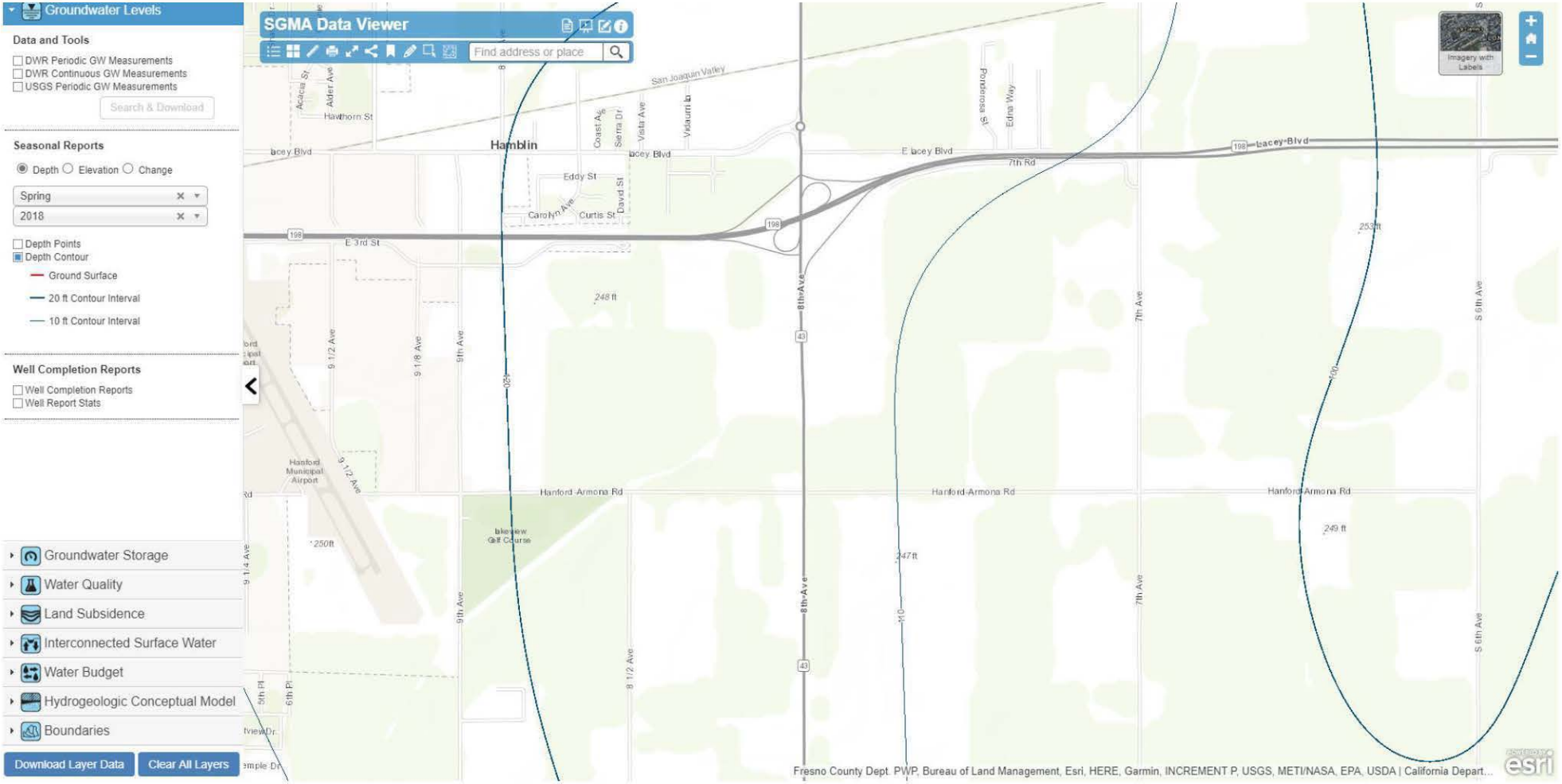
19. All records required by this permit shall be retained on-site for a period of at least five years and shall be made available for District inspection upon request. [District Rule 4621]

Appendix J

DWR Depth to Water Contour Map



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(559) 326-1100

DWR Groundwater Level

New Fire Station Phase I ESA
Hanford, Ca

Appendix K

EDR Aerial Photo Decade Package

Kings County Fire Station

7622 HOUSTON AVE

HANFORD, CA 93230

Inquiry Number: 6108676.11

July 01, 2020

The EDR Aerial Photo Decade Package

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

EDR Aerial Photo Decade Package

07/01/20

Site Name:

Kings County Fire Station
7622 HOUSTON AVE
HANFORD, CA 93230
EDR Inquiry # 6108676.11

Client Name:

Provost & Pritchard Eng. Group
286 West Cromwell Ave.
Fresno, CA 93711
Contact: Stephanie Gillaspy

Environmental Data Resources, Inc. (EDR) Aerial Photo Decade Package is a screening tool designed to assist environmental professionals in evaluating potential liability on a target property resulting from past activities. EDR's professional researchers provide digitally reproduced historical aerial photographs, and when available, provide one photo per decade.

Search Results:

Year	Scale	Details	Source
2016	1"=500'	Flight Year: 2016	USDA/NAIP
2012	1"=500'	Flight Year: 2012	USDA/NAIP
2009	1"=500'	Flight Year: 2009	USDA/NAIP
2006	1"=500'	Flight Year: 2006	USDA/NAIP
1994	1"=500'	Acquisition Date: May 10, 1994	USGS/DOQQ
1984	1"=500'	Flight Date: September 01, 1984	USDA
1976	1"=500'	Flight Date: July 01, 1976	USGS
1974	1"=500'	Flight Date: August 01, 1974	USGS
1966	1"=500'	Flight Date: January 01, 1966	USGS
1950	1"=500'	Flight Date: January 25, 1950	USDA
1940	1"=500'	Flight Date: May 20, 1940	USDA
1937	1"=500'	Flight Date: September 03, 1937	USDA

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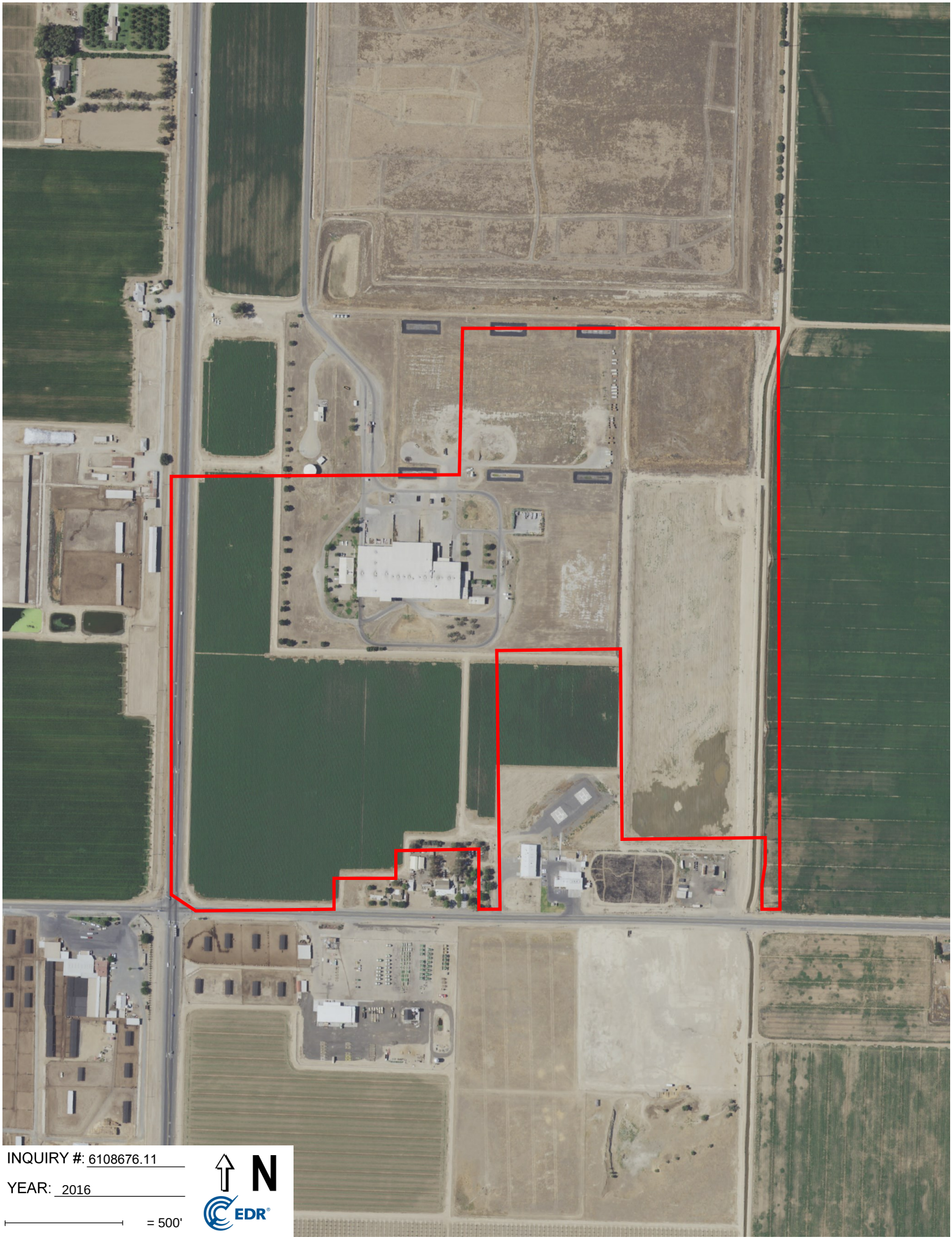
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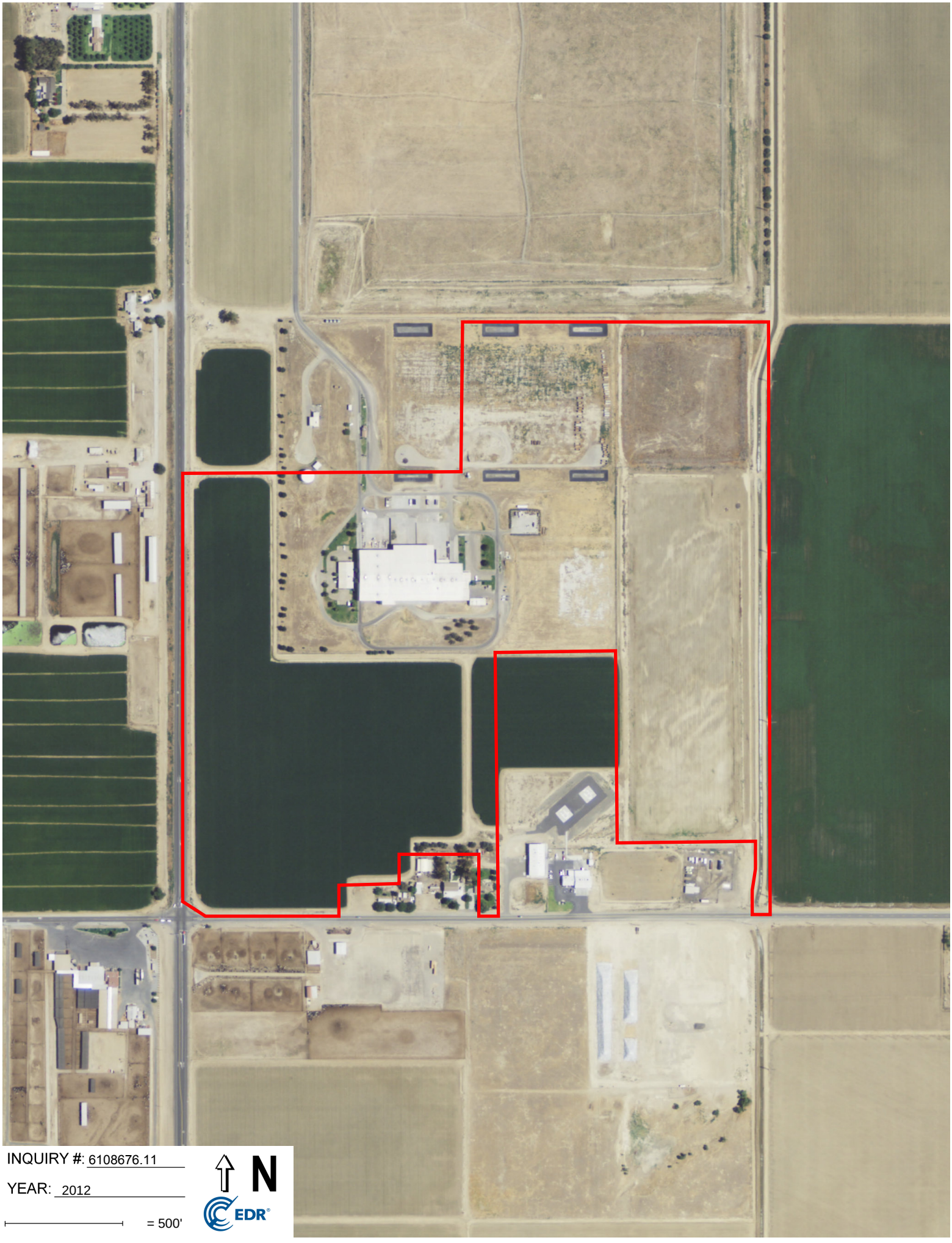
EDR



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YEAR: 2012

= 500'

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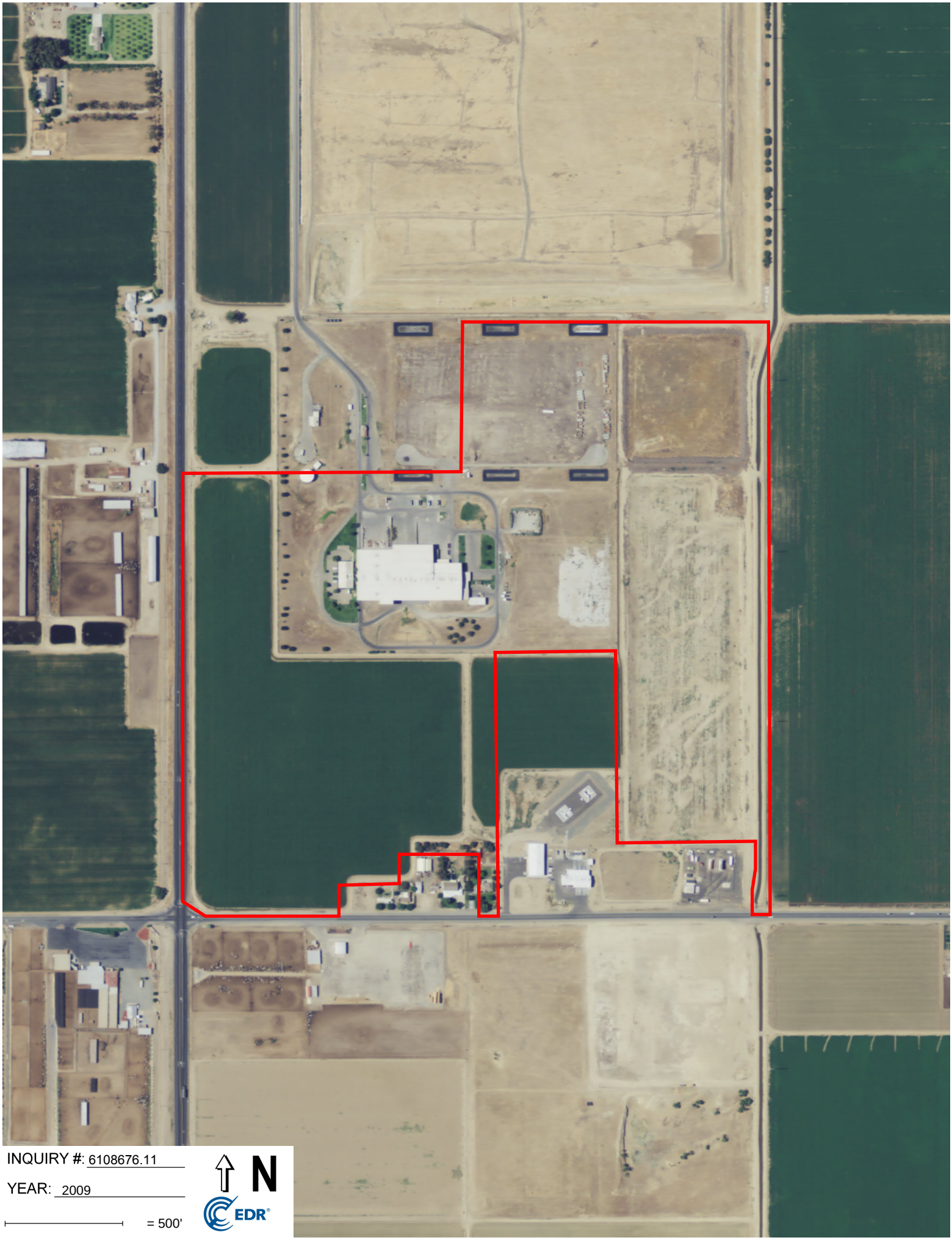
EDR



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YEAR: 2009

= 500'

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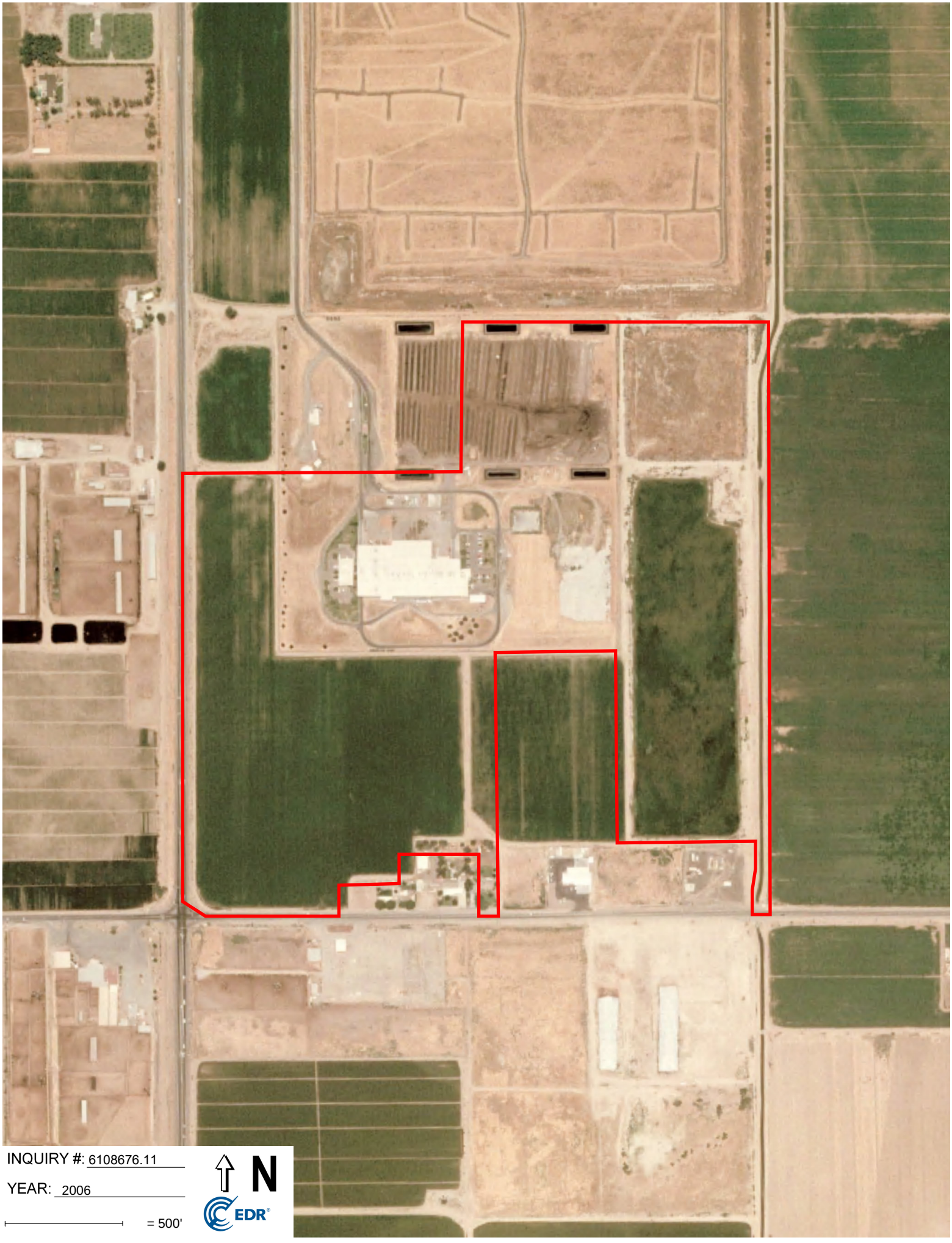
EDR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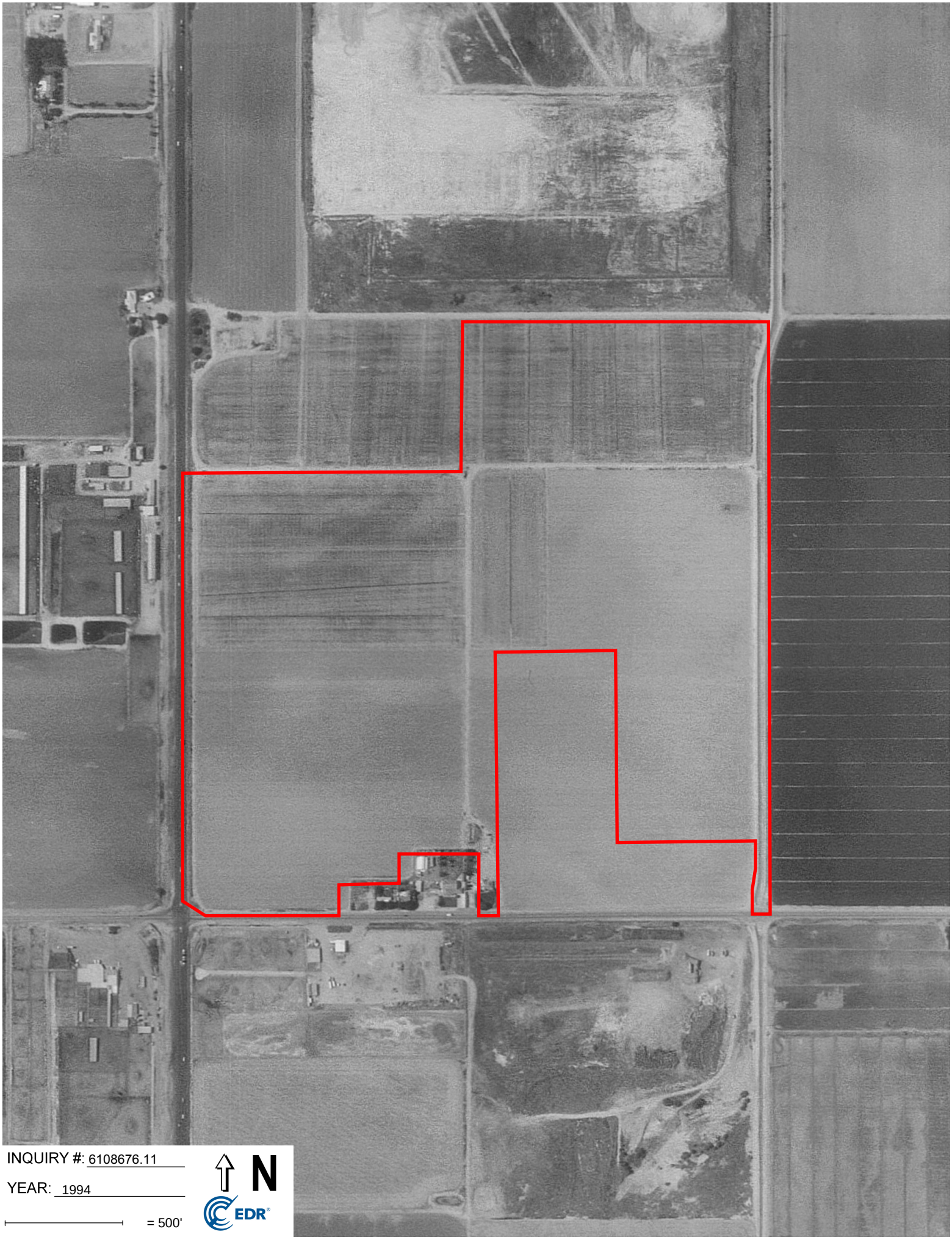
EDR



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EDR

INQUIRY #: 6108676.11
YEAR: 1984
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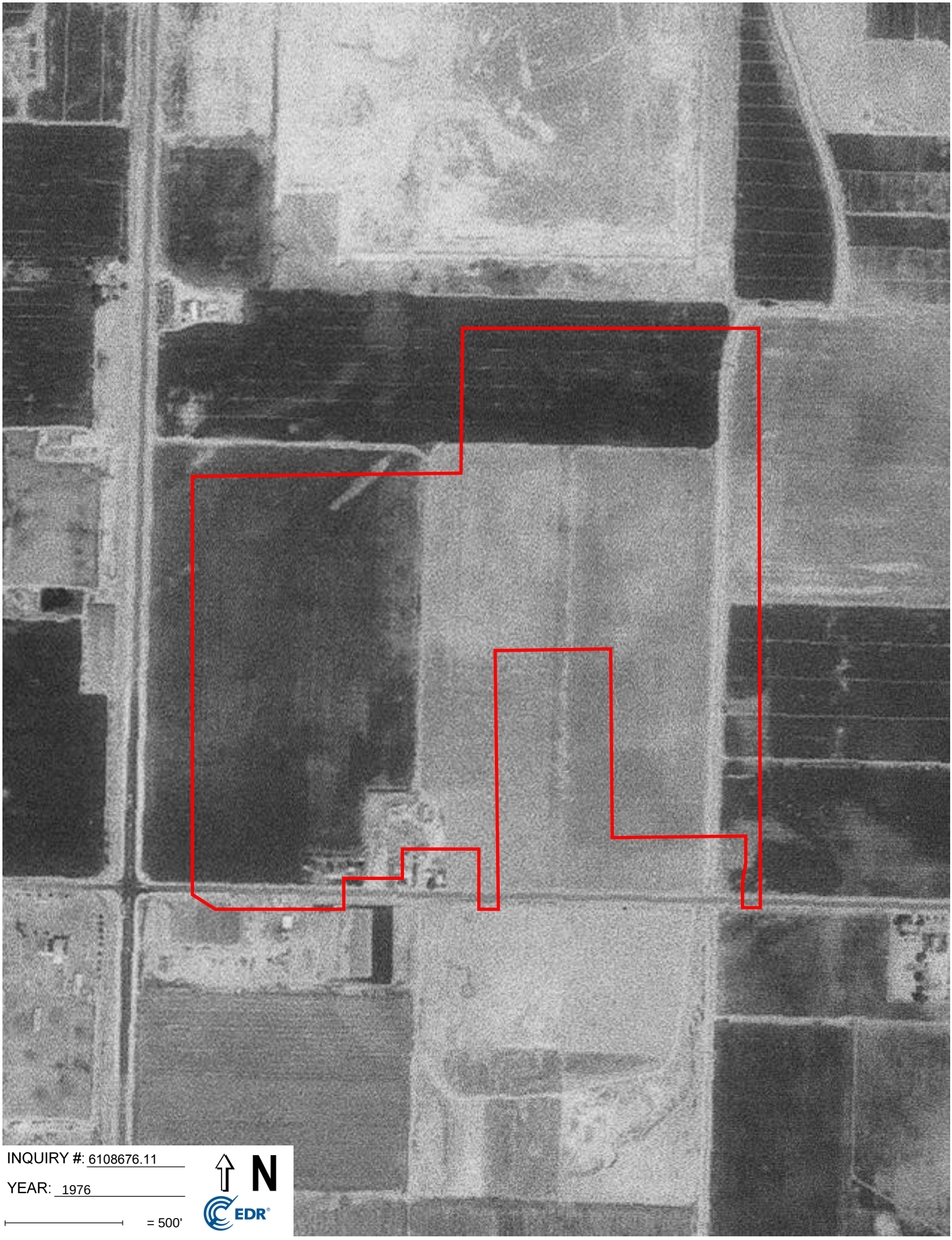
EDR



INQUIRY #: 6108676.11

YEAR: 1976

= 500'

N

EDR

INQUIRY #: 6108676.11

YEAR: 1974

= 500'

N

EDR

INQUIRY #: 6108676.11

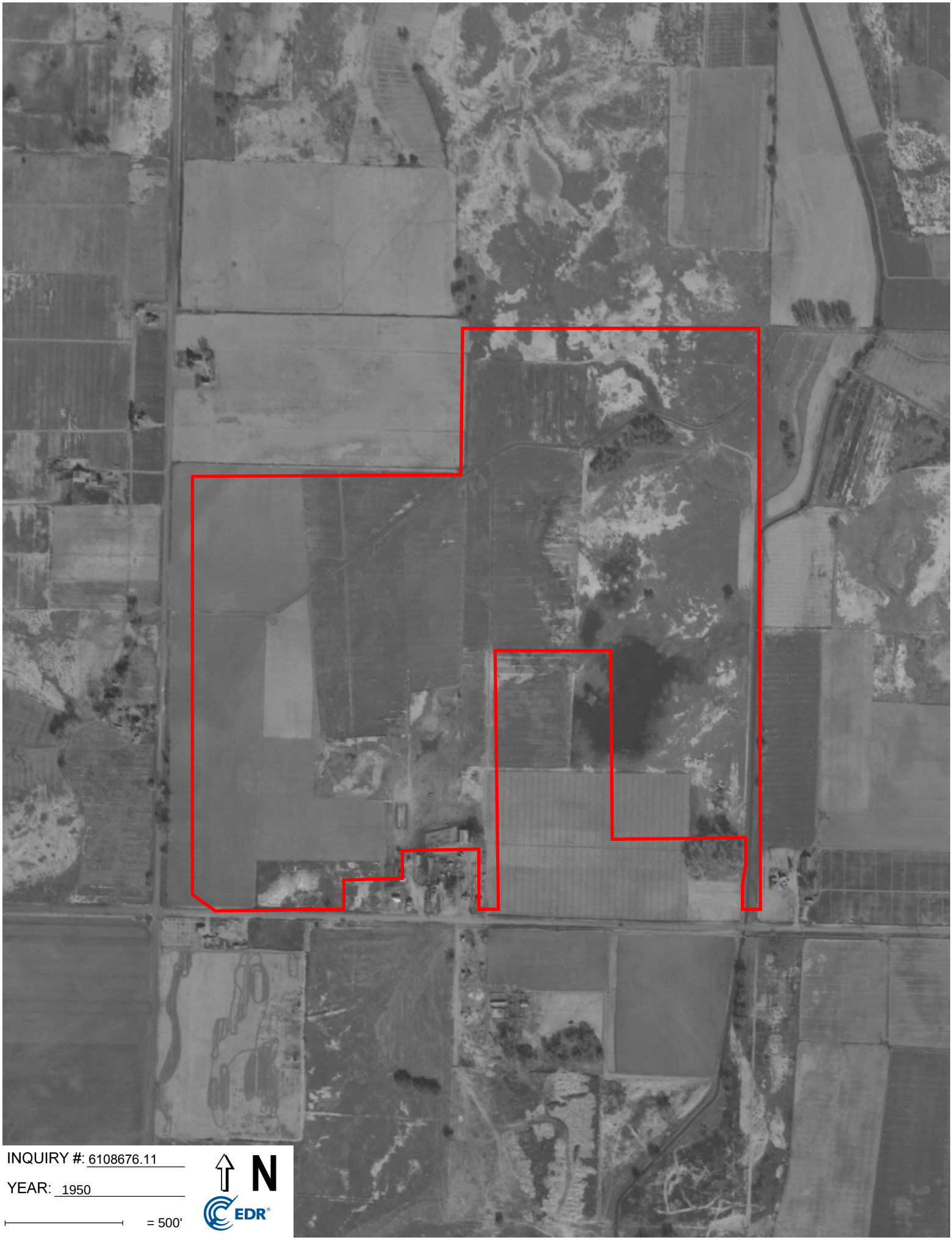
YEAR: 1966

= 500'

N

EDR

Subject boundary not shown because it exceeds image extent or image is not georeferenced.



INQUIRY #: 6108676.11

YEAR: 1950

= 500'

N

EDR

INQUIRY #: 6108676.11

YEAR: 1940

= 500'

N

EDR

INQUIRY #: 6108676.11
YEAR: 1937
= 500'
N
EDR

Appendix L

EDR Historical Topo Map Report

Kings County Fire Station
7622 HOUSTON AVE
HANFORD, CA 93230

Inquiry Number: 6108676.4
July 01, 2020

EDR Historical Topo Map Report

with QuadMatch™

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

EDR Historical Topo Map Report

07/01/20

Site Name:

Kings County Fire Station
7622 HOUSTON AVE
HANFORD, CA 93230
EDR Inquiry # 6108676.4

Client Name:

Provost & Pritchard Eng. Group
286 West Cromwell Ave.
Fresno, CA 93711
Contact: Stephanie Gillaspy

EDR Topographic Map Library has been searched by EDR and maps covering the target property location as provided by Provost & Pritchard Eng. Group were identified for the years listed below. EDR's Historical Topo Map Report is designed to assist professionals in evaluating potential liability on a target property resulting from past activities. EDRs Historical Topo Map Report includes a search of a collection of public and private color historical topographic maps, dating back to the late 1800s.

Search Results:

P.O.# 1318-20-002 TK2D

Project: Kings County Fire Station

Coordinates:

Latitude:	36.302135 36° 18' 8" North
Longitude:	-119.596231 -119° 35' 46" West
UTM Zone:	Zone 11 North
UTM X Meters:	266879.61
UTM Y Meters:	4020588.70
Elevation:	245.00' above sea level

Maps Provided:

2012
1954
1927

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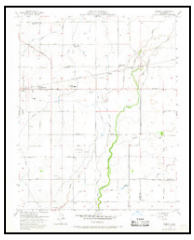
Topo Sheet Key

This EDR Topo Map Report is based upon the following USGS topographic map sheets.

2012 Source Sheets

Remnoy
2012
7.5-minute, 24000

1954 Source Sheets



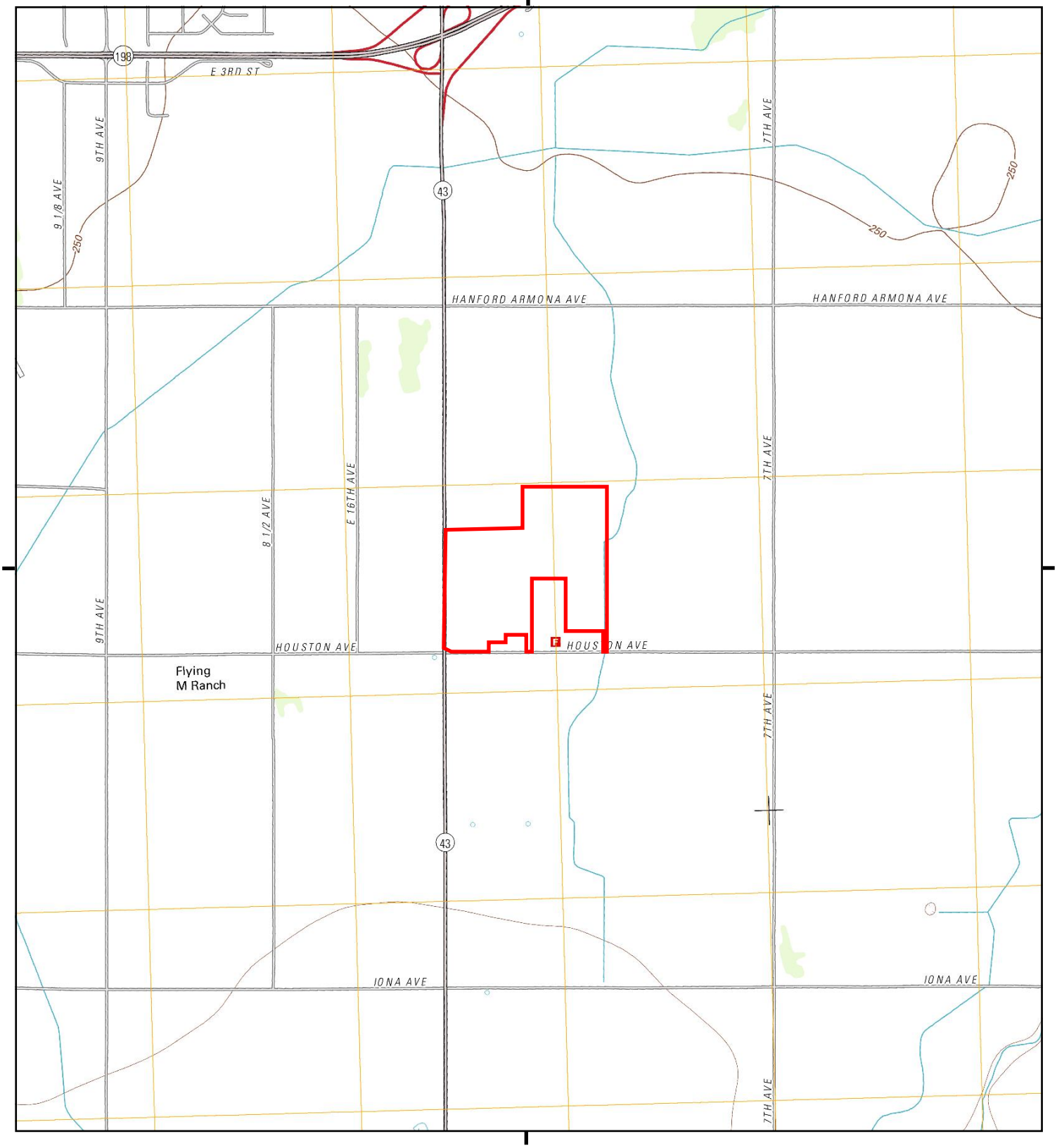
Remnoy
1954
7.5-minute, 24000
Aerial Photo Revised 1950

1927 Source Sheets

Remnoy
1927
7.5-minute, 31680

Historical Topo Map

2012



This report includes information from the following map sheet(s).

0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

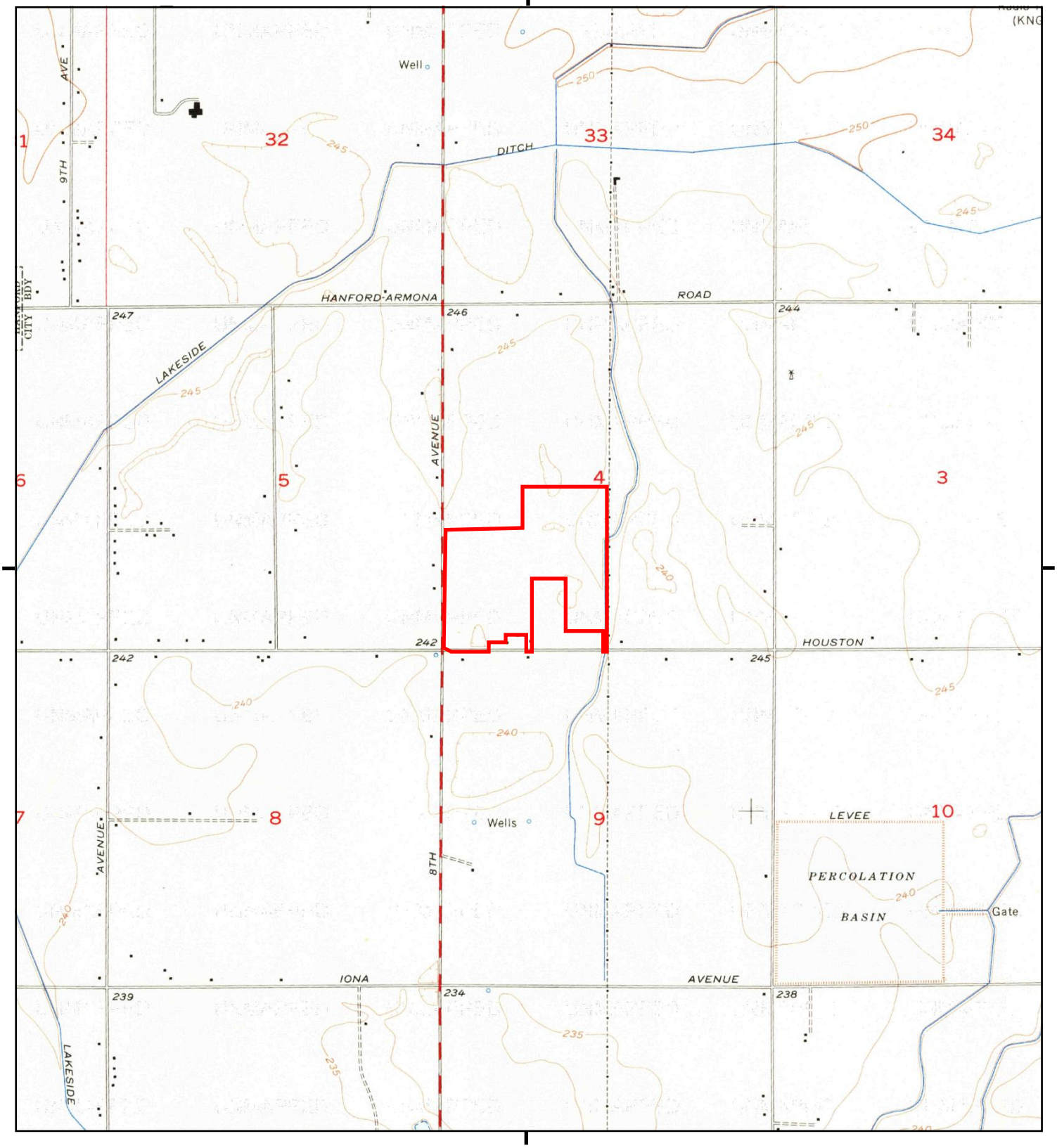
TP, Remnoy, 2012, 7.5-minute

SITE NAME: Kings County Fire Station
ADDRESS: 7622 HOUSTON AVE
HANFORD, CA 93230
CLIENT: Provost & Pritchard Eng. Group

N

Historical Topo Map

1954



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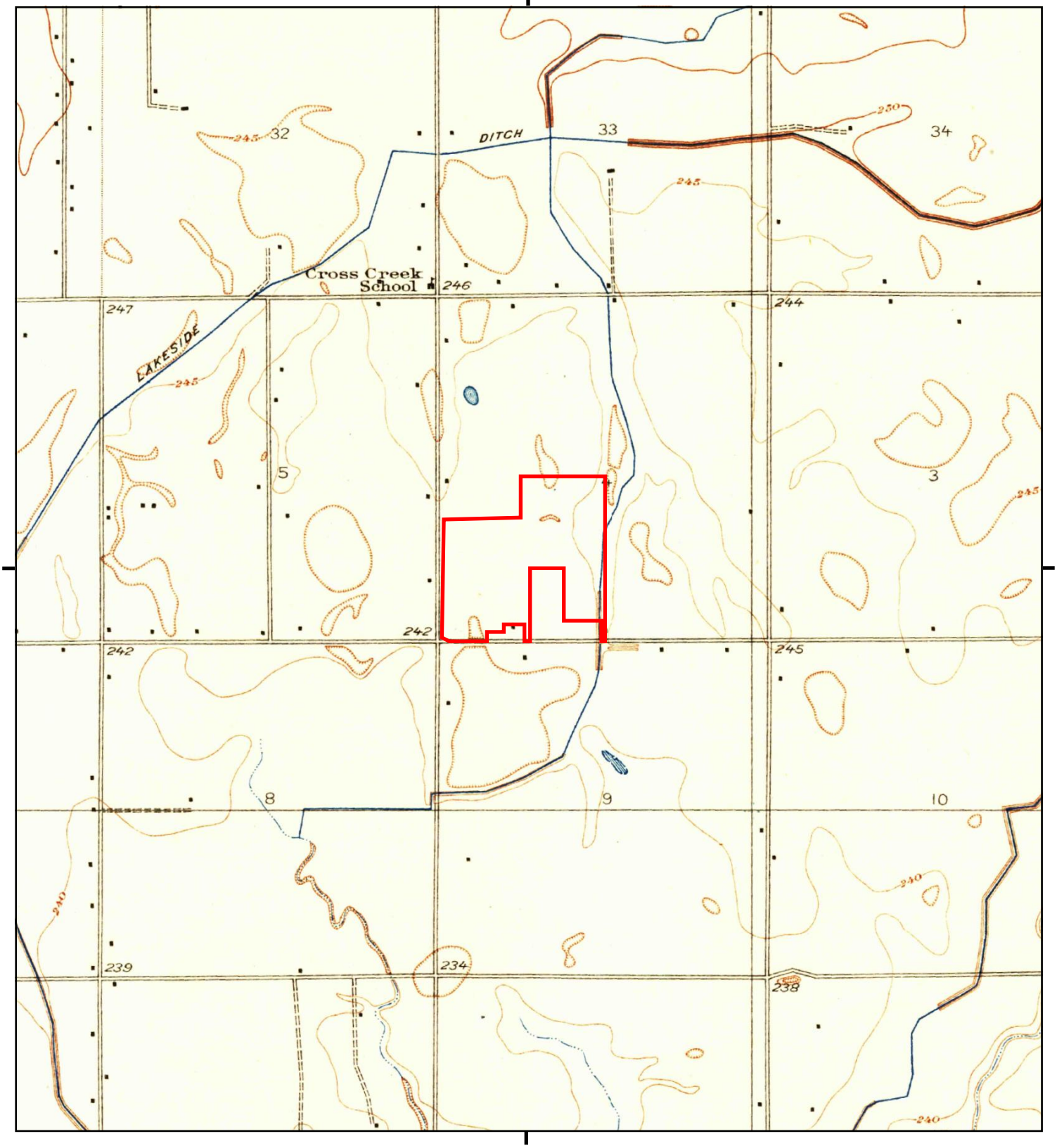
W E
SW S SE

TP, Remnoy, 1954, 7.5-minute

SITE NAME: Kings County Fire Station
ADDRESS: 7622 HOUSTON AVE
HANFORD, CA 93230
CLIENT: Provost & Pritchard Eng. Group

N



This report includes information from the following map sheet(s).

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NW N NE
W E
SW S SE

TP, Remnoy, 1927, 7.5-minute

SITE NAME: Kings County Fire Station
ADDRESS: 7622 HOUSTON AVE
HANFORD, CA 93230
CLIENT: Provost & Pritchard Eng. Group

N

Appendix M

Phase I ESA User Questionnaire

Phase I ESA Owner or Occupant Questionnaire

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Fax: 559) 326-1090
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PHASE I ENVIRONMENTAL SITE ASSESSMENT—USER QUESTIONNAIRE

Property Name/Address: Kings Co. Fire Station 4 - Replacement
Completed by Mr./Mrs.: Dominic Tyburski Date: 8/11/2020
Company: Kings Co. Public Works Relation with Site:
Address: 1400 W. Lacey Blvd., Hanford CA 93230
Telephone: 559.852.2698 E-mail:

INTERVIEW QUESTIONS

1) What is the reason for performing the Phase I ESA? Site development for County fire station.

2) What are the past, current, and/or planned uses for the Property (if known)? Agriculture

3) Are there existing or proposed structures on the site? NO

4) Will sensitive receptors (ex. children, elderly, people in poor health) occupy the Property? NO

5) Are you aware of any environmental cleanup liens against the Property that are filed or recorded under federal, state, or tribal law? NO

6) Are you aware of any activity and land use limitations (ex. engineering controls), land use restrictions, or institutional controls in place at the Property or have been filed or recorded? No

7) Do you know of specific chemicals that are or were once present at the Property? NO

8) Do you have any specialized knowledge or experience of the chemicals and processes used on the Property or nearby properties? NO

9) Do you know of spills, chemical releases, or environmental cleanups that have taken place at the Property? NO

10) Does the purchase price being paid for this Property reasonably reflect the fair market value? Yes

11) Based on your knowledge and experience related to the Property, are there any obvious indicators that point to the presence or likely presence of contamination? NO

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Fax: 559) 326-1090
www.ppeng.com

PHASE I ENVIRONMENTAL SITE ASSESSMENT QUESTIONNAIRE—OWNER OR OCCUPANT

Date: 08/20/2020

Site Name/Address: Kings Waste & Recycling Authority 7803 Hanford-Armona Rd Hanford, CA 93230

Completed by Mr. Mrs.: Parveen Sandhu

Company: _____ Relation with Site: Management Analyst

Address: 7803 Hanford Armona Rd, Hanford , CA 93230

Telephone: 559-852-4919 E-mail: psandu@kwrarecycles.net

Someone better associated with site? _____ Telephone: _____

INTERVIEW QUESTIONS

1) How long have you been associated with this site? 25 years

2) Are there structures on the site? For what purpose(s)? Transfer Station, scale house, pump house, House hold hazardous waste building, flare station

3) What are the current and past site uses? During what time periods? Landfill open from 1974-1997. Transfer Station 1995-present

4) Any aboveground or underground storage tanks associated with the site? (E.g. Fuel or Fertilizer tanks) If yes, the purpose? underground fuel tank and above ground water tank

5) Any hazardous materials use, storage, spills, or leaks (including used oil or antifreeze) currently or in the past? Hazardous Materials stored for no more than 3 months on site

6) Any past clean-up operations? Due to regulatory action or not? no

7) Any current or past pesticide mixing facilities on the site? none

8) Any buried materials (including buried trash, engine parts) or burn areas on the site? landfill trash

9) Any irrigation wells, domestic wells, monitoring wells, or dry wells on the site (active or abandoned)? Gas and water monitoring wells, domestic well, and one well that is dry at the moment

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Fax: 559) 326-1090
www.ppeng.com

10) Any waste treatment or discharges on the site? None

11) Any septic tanks/leach fields? Yes

12) City water or private well? private well City sewer or private septic? private septic

13) Any disposal ponds or storm water retention basins? storm water retention basins

14) Any adjacent property environmental concerns (E.g. Gas Stations, Industrial Facilities)? none

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Appendix E

Water Supply Assessment

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County of Kings

Water Supply Assessment
Fire Station Project
Conditional Use Permit No. 19-10

Kings County
September 2020

Prepared for:
County of Kings
Kings County, California

Prepared by:
Provost & Pritchard Consulting Group
286 W. Cromwell Avenue, Fresno, CA 93711

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Report Prepared for:

County of Kings

Community Development Agency
1400 West Lacey Blvd., Building 6
Hanford, CA 93230

Contact:
Chuck Kinney
(559) 852-2674

Report Prepared by:

Provost & Pritchard Consulting Group

Heather Bashian, PE
(559) 449-2700

DATE SIGNED_____

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Abbreviations

ac	acre
ADD	Average Day Demand
AFY	acre-feet per year
CEQA	California Environmental Quality Act
CWC	California Water Code
DWR	Department of Water Resources
gpd	gallons per day
gpd/ac	gallons per day per acre
gpm	gallons per minute
GSP	Groundwater Sustainability Plan
MDD	Maximum Day Demand
MKGSA	Mid-Kings Groundwater Sustainability Agency
PHD	Peak Hour Demand
PF	Peaking Factor
SB	Senate Bill
UWMP	Urban Water Management Plan
WSA	Water Supply Assessment

1 Introduction

The purpose of this Water Supply Assessment (WSA) is to evaluate the ability to meet water supply demands associated with the proposed Project, in accordance with Section 10910, et seq., of the California Water Code (CWC). The Project consists of an approximate 15-acre site, of which only 2-two acres are planned for development with this Project. The two-acre area will include a 9,900-square-foot fire station, associated parking lot and landscaping, 20,000-gallon water storage tank and a nearly half-acre stormwater ponding basin. The fire station building will house office space, a training space (classrooms only), living quarters and an emergency operations center. The project proponent is the County of Kings (County).

In order to adequately address the sufficiency of water supply sources for future developments, and in an attempt to prevent major development projects from being approved without a water supply evaluation, the State of California passed, in 2001, Senate Bill 610 (SB610), which amended Section 10910, et seq., of the CWC to require preparation of a WSA as part of the environmental review process for new development projects. This WSA discusses the estimated water demands and water supply for the proposed Project. Groundwater will be the water supply source. The Project is located in Kings County, approximately two miles south and 2.5 miles east of the City of Hanford's (City) city limits. The Project will not be supplied water from the City. The new facilities will be constructed adjacent to an existing fire station and will be supplied water from the existing County-owned, domestic well at the existing fire station. This existing well may also supply water for construction purposes. The Project does not have access to surface water supplies.

SB610 allows the governing body of the Water Supplier or the Lead Agency to approve the water assessment at a regular or special meeting. Because there is no "public water system" that will service the Project, the County, as lead agency, has caused to be prepared and will consider adoption of this WSA.

2 State Water Code Requirements

The CWC requires a WSA be completed for certain projects subject to the California Environmental Quality Act (CEQA). CWC Section 10910 et seq requires that a WSA answer the following questions:

- Is the proposed project subject to CEQA?
- Is the proposed project a "Project" under the CWC?
- Is there a public water system that will service the proposed project?
- Is there a current Urban Water Management Plan (UWMP) that accounts for the water demand?
- Is groundwater a component of the supplies for the project?
- Are there sufficient supplies to serve the project over the next twenty years during normal, dry, and multiple-dry years?

These questions are addressed in the subsections below.

Is the proposed project subject to CEQA?

CEQA applies to projects that require a discretionary permit from a public agency, projects undertaken by a public agency, or projects funded by a public agency. The proposed Project requires a conditional use permit from Kings County, which is a discretionary permit, and is therefore subject to CEQA.

Is the proposed project a "Project" under SB610?

California Water Code Section 10912(a) defines a "project" as follows:

1. A proposed residential development of more than 500 dwelling units.
2. A proposed shopping center or business establishment employing more than 1,000 persons or having more than 500,000 square feet of floor space.
3. A proposed commercial office building employing more than 1,000 persons or having more than 250,000 square feet of floor space.
4. A proposed hotel or motel, or both, having more than 500 rooms.
5. A proposed industrial, manufacturing, or processing plant, or industrial park planned to house more than 1,000 persons, occupying more than 40 acres of land, or having more than 650,000 square feet of floor area.
6. A mixed-use project that includes one or more of the projects defined above.
7. A project that would demand an amount of water equivalent to, or greater than, the amount of water required by a 500 dwelling unit project.

While the Project does not specifically constitute a "project" as defined above, it most closely matches the use described by item 6, being comprised of both office and dwelling spaces. While the Project does not include more than either threshold of uses, Kings County has requested the preparation of a WSA to document a thorough evaluation of the Project's water supply and demands.

Is there a public water system that will service the proposed project?

No, there is no public water system that will provide service to the Project.

Is there a current Urban Water Management Plan (UWMP) that accounts for the water demand?

No, there is no UWMP that accounts for the water demand. The California Urban Water Planning Act requires urban water suppliers to submit an UWMP to the California Department of Water Resources (DWR) if they provide water for municipal purposes to more than 3,000 customers or supply more than 3,000 acre-feet of Municipal & Industrial water annually. The County does not meet these thresholds and is therefore not required to prepare an UWMP. The City of Hanford provides municipal water supplies to more than 16,700 service connections; however, their UWMP study area does not encompass the Project's development area.

Is groundwater a component of the supplies for the project?

Yes, the water supply for the project will be entirely reliant on groundwater supplies.

Are there sufficient supplies to serve the project over the next twenty years during normal, dry, and multiple-dry years?

Yes, the proposed water supply is sufficient to serve the project over the next twenty years, during normal, dry, and multiple-dry years, as described further in this WSA.

3 Description of Proposed Project

The proposed Project is an approximate 15-acre site, of which two acres is being developed into a new fire station, fire department office, fire administrative offices, fire training facility, living quarters and emergency operations center. The Project will include a 9,900-sf building, adjacent parking, drought-tolerant landscape, 20,000-gallon water storage tank, storm water ponding basin and septic leach field.

The exact configuration of buildings has not been determined at the time of preparation of this WSA; however, the final layout will have little bearing on the water supplies needed for the Project and is therefore not critical.

The Project site is relatively flat but will require grading to ensure the site drains properly and that stormwater can be collected onsite, as planned. Once graded, concrete pads will be placed for building construction, an asphalt-concrete parking lot will be constructed and the site development completed, including stormwater ponding basin and landscaping.

The Project is adjacent to an existing fire station, also owned by the County, which includes an existing domestic well. The existing well will supply water to the new fire station site including ongoing demands and filling of the water storage tank. The existing fire station will be closed and the building used for storage and the existing living quarters will remain; the only ongoing water demand from the existing fire station is that associated with the living quarters and restroom facility (two separate buildings). The existing demands are reported based on information from the County.

Figure 3-1 illustrates the Study Area for this assessment and **Figure 3-2** illustrates the site plan this assessment is based upon.

Figure 3-1. Study Area

\\ppeng.com\pzdata\clients\Kings County of-1318\131820002-New Fire Station\400 GIS\Review\WSA\Study_Area.pdf

Figure 3-2. Project Site Plan

\\ppeng.com\pzdata\clients\Kings County of-1318\131820002-New Fire Station\400 GIS\Review\WSA\Site_Plan_v2.pdf

4 Existing Water Usage

4.1 Project Site

The proposed Project site is currently fallow; however, it is zoned General Agriculture, 20-acre (AG-20) in the Kings County General Plan, which allows for various cropping uses. The most recent planting of the property was corn, which has a water use of 3.1 acre-feet per acre per year associated with it, equating to 6.2 acre-feet per year of water use for the two-acres being developed with this Project. The water supply for the agricultural operations appears to be an agriculture well that will remain in use for the remaining property; however, the demand associated with the Project will be removed. This water demand will be eliminated entirely from the local aquifer.

4.2 Existing Site Water Demands

The proposed Project plans to utilize the well currently serving the existing fire station. The existing fire station will largely be removed from usage, as discussed in Section 3 and the water demands associated with it significantly decreased as discussed in Section 5.

Table 4-1. Existing Water Demands

Existing Land Use	Area (acres)	Existing Water Use		
		(gallons/month)	(gpd)	(AFY)
Agricultural Warehouse	0.21	0	0.0	0.00
Fire Station	0.20	12800	426.7	0.48
Living Quarters for Fire Station	0.03	2250	75.0	0.08
Storage Building	0.01	0	0.0	0.00
Restrooms	0.01	300	10.0	0.01
Training Facility	0.03	0	0.0	0.00
Totals:	**0.49**	**15,350**	**511.7**	**0.57**

Notes:
Unit Abbreviations shown in the table include: gallons per day (gpd), and acre-feet per year (AFY)

According to County staff, the existing well meets the existing water demand without issue.

5 Projected Water Demands

5.1 Construction Water Demands

Construction is anticipated to occur over a 6-month period and will utilize the water supplies during a portion of the construction timeline for dust control. The water application is assumed to be 3,000 gallons of water per acre per day or 6,000 gallons per day for the 2-acre project development area (based on the US Environmental Protection Agency guidance[1]). Assuming 45 days of construction involving dust generating activities, the total amount of water needed for dust control is 0.83 AF.

5.2 Operational Water Demands

Projecting the water demands associated with the Project includes accounting for a variety of uses within the proposed development. The County identified the following uses on the Project site:

- Building: Office space, living quarters and fire equipment storage/usage
- Landscape: drought tolerant landscape is planned in the immediate area surrounding the building; no turf is planned or anticipated

The County does not have a Water Master Plan or series of adopted water use demand factors; however, the City of Hanford's Water Master Plan includes water demand coefficients and its proximity makes those factors relevant to this project. The land use categories from the City that most closely align with those discussed above include Office Residential and Open Space.

Additional water demands include:

- Fire truck tank filling: 12 times per year, 300-gallons per occurrence; equating to 3,600 gallons per year (9.9 gpd or 0.01 AFY)

Zoning designation AG does not have fire flow suppression requirements per Kings County standards[2]. However, the onsite well and water storage tank will provide for fire suppression, if needed. The onsite storage tank would provide for 630[3] gpm for 30 minutes, if full when initially accessed.

The water demands associated with the project, based on these factors and assumptions are shown in the following table.

[1] https://www.epa.gov/sites/production/files/2019-04/documents/mr_guidanceforapplicationfordustcontrolpermit.pdf
[2] County of Kings, Improvement Standards, May 6, 2003; Design Table 5032
[3] Pursuant to NFPA 13, Density/Area Curves, each 3,000 square foot Light Hazard area of the Project has a fire sprinkler demand of 210 gpm. The Project has a sum of three such areas, thereby yielding a fire sprinkler demand of 630gpm.

Table 5-1. Project Water Demand

Land Use Category	Demand Coefficients[4] (gpd/ac)	Area (acre)	Water Demand (gpd)	Water Demand (AFY)	Water Demand (AFY/ac)
Office Residential	1710	0.23	393.3	0.44	
Open Space (Landscape)	2690	0.04	107.6	0.12	
Ponding Basin - No Water use	0	0.43	0.0	0.00	
Paved Area - No Water use	0	0.95	0.0	0.00	
Remaining Area - No Water Use	0	0.35	0.0	0.00	
Fire Truck Tank Filling	N/A	N/A	9.9	0.01	
Total Project Demands:		**2.00**	**510.8**	**0.57**	**0.29**
Ongoing Existing Uses	N/A	0.04	85.0	0.10	
Total Project + Existing Demands		**2.04**	**595.8**	**0.67**	**0.33**

Notes:
Unit Abbreviations shown in the table include: gallons per day per acre (gpd/ac), gallons per day (gpd), and acre-feet per year (AFY)

[4] City of Hanford, Water System Master Plan, September 2017, Akel Engineering Group, Inc.; Table ES-1

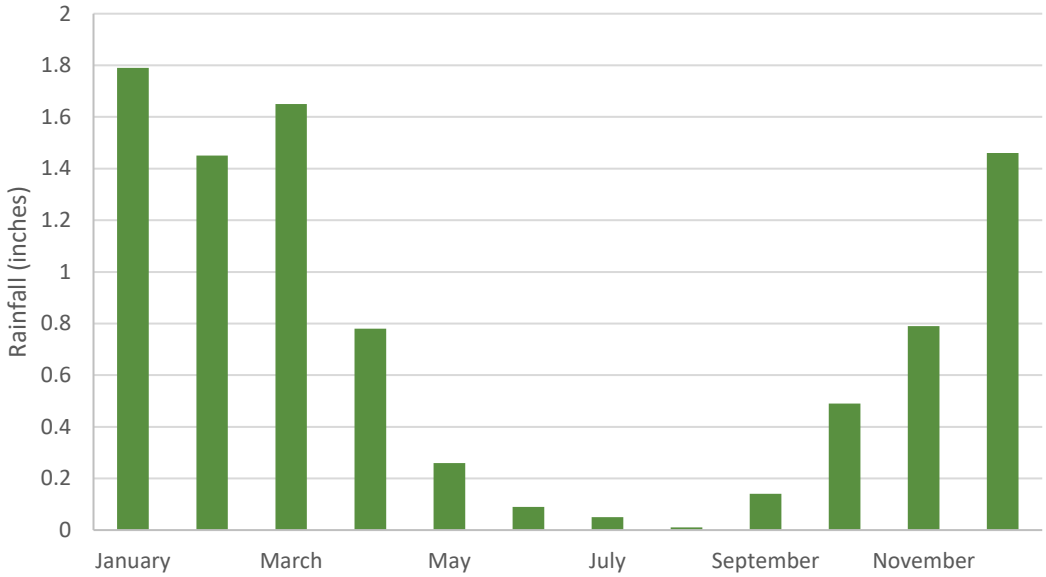
6 Regional Water Supplies

Regional water supplies for the project predominantly include groundwater; however, precipitation will provide some water supply for landscaped areas.

6.1 Precipitation

Total annual average precipitation at the Hanford, California weather station is typically about 8.96 inches per year. This total is generally mostly received in the winter months, as shown in the following figure.

Figure 6-1. Kings County Average Precipitation



Because the vast majority of precipitation falls during times of the year when agronomic demand is very low, the actual irrigation benefit received from the rainfall is minimal. The benefit is complicated by the very irregular and unreliable nature of rainfall in the Valley. **Figure 6-1** shows long-term average rainfall but the variance within a given month of any individual year might be a quarter of the average, or well over double the average. As well, the timing of rainfall events within each month is irregular as well and not suited to the demands of crop irrigation. For all of these reasons, this WSA disregards precipitation as a water source for irrigation demands.

6.2 Groundwater

The Project site is located in a non-adjudicated groundwater basin. As a result, landowners have rights to pump and use groundwater beneath their lands, as long as the groundwater is beneficially used. However, pursuant to the Sustainable Groundwater Management Act, all groundwater users must comply with requirements identified in the Groundwater Sustainability Plan that overlies the area. The Project is within the Mid-Kings Groundwater Sustainability Agency's (MKGSA) boundary. The MKGSA has worked collaboratively with four other Groundwater Sustainability Agencies to prepare, collectively, the Tulare Lake Subbasin Groundwater Sustainability Plan (GSP). The GSP was adopted on January 14, 2020 by the MKGSA, submitted to the Department of Water Resources (DWR), and is being reviewed for conformity with the SGMA requirements.

The GSP states all new wells are to be permitted and approved through the County's existing well permitting process and in accordance with State requirements. As there is not a new well proposed with the Project, the permitting process is not a requirement.

Further, the GSP states the GSA will prepare groundwater allocations for pumping and associated fees with exceedances thereof; however, those allocation levels have not been defined at this time. The GSP further states there is an estimated sustainable yield for agricultural land of 0.96[5] AFY/Ac.

6.3 Surface Water

There are no surface water supplies associated with this project; therefore, no further analysis of surface water supplies will be completed.

[5] Tulare Lake Subbasin Groundwater Sustainability Plan, January 2020; Section 3.3.4

7 Supply and Demand Reconciliation

The proposed water supply for the Project is the existing well at the existing fire station. The well has been adequate to provide water supply to the existing fire station, once the Project is complete and the existing fire station converted to storage, the only water demand on the well will be from the Project and a small demand from the existing fire station. Additionally, as noted, in Section 6, the estimated sustainable yield noted in the GSP is 0.96 AFY/ac. The following tables summarize and reconcile the supply and demand of construction water use and operational water use for the Project

Table 7-1. Construction Water Supply and Demand Reconciliation

Description	Volume (gpd)
Construction Demand (45 days)	6,000
Well Supply (based on existing use)	512
Net Supply/(Deficit)	**(5,488)**

Notes:
The existing well may supply more than 512 gallons per day; however, well capacity information is unknown at this time and the existing well may not have sufficient capacity to supply water for construction purposes.

Table 7-1 indicates there may not be sufficient well capacity to supply water to control dust during construction activities. It is important to note, the existing fire station will still be in operation during the construction period and the County may elect to require the contractor to supply a temporary, onsite water storage tank that would be filled at night for use during the day during construction periods.

Table 7-2. Operational Water Supply and Aquifer Sustainability Reconciliation

Description	Volume (AFY/ac)
Operational Demand	0.33
Estimated Sustainable Yield	0.96
Net Supply/(Deficit)	**0.63**

8 Conclusion

The following points are described in detail in the previous sections and provide the basis for the conclusions of the assessment.

- Construction water demand is 6,000 gpd or 0.41 AF/acre in the first year of the project.
- Operational water demand is 596 gpd or 0.67 AFY. For the two-acre project this is 0.33 AFY/ac.
- The estimated sustainable yield of the subbasin is 0.96 AFY/acre.
- The existing well provides sufficient water supply for the existing uses; the projected water demands are not anticipated to be significantly greater than the existing demands.
- The existing well may not have sufficient capacity to provide for construction water demands and the Contractor may need to provide alternative water supply for that portion of the project.

The existing well is sufficient to provide water supply for the Project, given the assumptions stated in this assessment and the understood water demands. Additionally, the projected water demands are below the estimated sustainable yield of the subbasin as stated in the GSP.