

**Final  
Mitigated Negative Declaration  
Agricultural Education and Career  
Technical Center**

*Lead Agency:  
Santa Maria Joint Union High School District  
2560 Skyway Drive  
Santa Maria California 93455  
June 2015*

*School Site Solutions, Inc.*



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## 1 Introduction

Pursuant to the California Environmental Quality Act (CEQA; *Public Resources Code* Section 21000, et seq. and CEQA Guidelines), the Santa Maria Joint Union High School District (SMJUHSD) prepared an Initial Study (IS) to evaluate potential environmental impacts associated with the acquisition and development of approximately 25.32 acres of land for the construction of a Agricultural Education and Career Technical Center. The property proposed for construction is located at 1280 Founders Avenue, Santa Maria, Santa Barbara County, California. The IS determined that the project could have a significant impact on the environment unless mitigated; three (3) mitigation measures were identified in the Draft Initial Study/Mitigated Negative Declaration (Draft IS/MND), to ensure project impacts would remain less than significant. A copy of the Mitigation Monitoring Plan for the project is provided as **Appendix B**.

On May 7, 2015, to initiate public review of the Draft IS/MND, SMJUHSD filed a Notice of Completion (NOC) for the project with the Governor's Office of Planning and Research (State Clearinghouse). The State Clearinghouse identified the project with SCH #2015051021. The State and local agency public review period was established between May 7 and June 5, 2015, with copies of the Draft IS/MND available for review at SMJUHSD Student Services Center, 2560 Skyway Drive, Santa Maria, CA 93455; and the Santa Maria Public Library, 421 S. McClelland Street in Santa Maria. The *Santa Maria Times* published the Notice of Intent (NOI) to adopt a Mitigated Negative Declaration on June 9, 2015. Comments and responses to comments received during the public review period may be found in **Section 2** of this Final MND.

This Final MND was prepared according to CEQA Guidelines and incorporates all comments received by the State Clearinghouse and SMJUHSD during the public review period. The purpose of this document is to clarify facts set forth in the Draft IS/MND, as necessary, to ensure accuracy.

This Final MND contains the following sections:

**Section 2** Comments and Responses to Comments

**Section 3** Revisions to the Draft IS/MND

**Section 4** Supporting Information Sources

A complete copy of the May 2015 Draft IS/MND is provided as **Appendix D**.



## 2 Comments and Responses to Comments

During the 30-day public review period (May 6 – June 4, 2015), SMJUHSD received zero agency comments. Following the close of the public review period, SMJUHSD received one agency comment. SMJUHSD received notice from the State Clearinghouse indicating zero comments received during the State agency public review period (**Appendix A**)

### 3 Revisions to the Draft IS/MND

Following are revisions to the May 2015 Draft IS/MND. Text deletions are shown as ~~strikethrough text~~, while text additions are shown as *italicized text*.

#### III. AIR QUALITY

##### *Environmental Setting*

The current use of the property is row crops and proposed project is the construction of a small satellite high school facility focusing on agricultural technology. Land uses in the vicinity generally consist of agriculture. The Santa Barbara County Air Pollution Control District's (SBCAPCD) Clean Air Plan represents the blueprint for air quality improvement in Santa Barbara County. The Clean Air Plan sets a maximum threshold of 25 pounds per day for two stated pollutants of concern: ROG (reactive organic gas) and NOx (Nitrogen Oxide). An air quality report prepared for the project, which used the CalEEMod Emissions Model Version 2013.2 indicated 3.8 pounds of ROG and 1.2 pounds per day of NOx would be generated. The area source and operational emissions would not exceed the District's recommended thresholds for ROG or NOx. Standard APCD dust and construction emission conditions are applied to all development permits to mitigate any construction related impacts. *The adjacent properties will continue to be used as agriculture land, the District will address if there is any need to integrate setbacks along the project border to ensure County setback requirements are met.*

#### VIII. HAZARDS AND HAZADOUS MATERIALS

- i) *Would the project be located within 1,500 feet of a high-pressure pipeline that can pose a safety hazard?*

**Less Than Significant Impact.** The Phase I report identified a 6-inch diameter natural gas pipeline associated with the Greka Oil and Gas Company located 1,350 feet north of the Site operating at 10-20 psig. Additionally there are two 4-inch diameter pipelines located along Founders Avenue. One is designed to transport natural gas and the other designed for heavy crude oil, neither of these are in use. *Placeworks completed a Health Risk Assessment Summary for the pipelines located on the site and within 1,500 feet. The excess cancer risk was calculated to be 0.23 per million for adult school staff and 0.19 per million for students, these results fall below the significance threshold level of 10 in a million. Chronic and acute non-carcinogenic effects totaled less than one for both school staff and students within is below the significance threshold (Appendix C).*

#### XVI. TRANSPORTATION/TRAFFIC

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

**No Impact Less Than Significant Impact.** ~~The project will not have any impact on air traffic patterns.~~ *The District requested an Aeronautics review from the Department of Transportation due to the location of the project site being within 2 nautical miles of the Santa Maria Public Airport. The review was completed and the Department of Transportation addressed a letter to the District indicating it "does not oppose the proposed schoolsite, based on current conditions and planned development."*

- d) *Would the project substantially increase hazards due to a design feature (e.g., sharp curves or dangerous intersections) or incompatible uses (e.g., farm equipment)?*

**Less Than Significant Impact with Mitigation Incorporation.** The site access will be designed to provide safe routes to the school site. The District is currently working with the County Transportation Division, Caltrans and the CDE for safe site access, specifically on S. Santa Maria Way. ~~If any necessary mitigations are identified the District will include in the Final MND.~~ *The District submitted the project description and traffic study results to Caltrans and Santa Barbara County. Caltrans recommended stenciling on the intersection between northbound off ramp and Morningside Drive “KEEP CLEAR.” The District will incorporate this recommendation into the project mitigation measures and will continue to work with the County and Caltrans to ensure safe travels to and from the site.*

**MM-3** *The District will stencil “KEEP CLEAR” at the intersection of northbound 101 off ramp and Morningside Drive to notify drivers of on-coming vehicles.*

## XVII. UTILITIES AND SERVICE SYSTEMS

- f) *Would the project be served by a landfill with sufficient permitted capacity to accommodate the project’s solid waste disposal needs?*

**Less Than Significant Impact.** Solid waste disposal at the Site would be limited to construction debris and typical school-related materials (e.g., papers, school supplies and food waste), which are not expected to have a significant impact on local landfills. Solid waste disposal will occur at permitted landfills in accordance with federal, state and local regulations. *With the presence of animals on site, animal waste will be produced on-site, the District will address any waste disposal requirements by the local agencies.*



## 4 Supporting Information Sources

Placeworks. June 12, 2015. Health Risk Assessment for Proposed School Site.

Appendix A  
State Clearinghouse Letter





Edmund G. Brown Jr.  
Governor

STATE OF CALIFORNIA  
Governor's Office of Planning and Research  
State Clearinghouse and Planning Unit



Ken Alex  
Director

June 5, 2015

Gary Wultschick  
Santa Maria Joint Union High School District  
2560 Skyway Drive  
Santa Maria, CA 93455

Subject: Agricultural Education and Career Technical Center  
SCH#: 2015051021

Dear Gary Wultschick:

The State Clearinghouse submitted the above named Mitigated Negative Declaration to selected state agencies for review. The review period closed on June 4, 2015, and no state agencies submitted comments by that date. This letter acknowledges that you have complied with the State Clearinghouse review requirements for draft environmental documents, pursuant to the California Environmental Quality Act.

Please call the State Clearinghouse at (916) 445-0613 if you have any questions regarding the environmental review process. If you have a question about the above-named project, please refer to the ten-digit State Clearinghouse number when contacting this office.

Sincerely,

A handwritten signature in cursive script, appearing to read "Scott Morgan".

Scott Morgan  
Director, State Clearinghouse

**Document Details Report  
State Clearinghouse Data Base**

**SCH#** 2015051021  
**Project Title** Agricultural Education and Career Technical Center  
**Lead Agency** Santa Maria Joint Union High School District

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**Type** MND Mitigated Negative Declaration

**Description** The Santa Maria Joint Union High School District proposes to acquire 25.32 acres of agricultural use property to construct Agricultural Education and Career and Technical Education program providing capstone courses, allowing the students to apply classroom knowledge. The master plan capacity for the site is 198 students with 6 classrooms/workshops loaded at 33 students per classroom. The site is located at 1280 Founders Avenue, Santa Maria, Santa Barbara County, California; further identified by assessor's parcel number 107-150-013.

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**Lead Agency Contact**

**Name** Gary Wultschick  
**Agency** Santa Maria Joint Union High School District  
**Phone** 805 922-4573 x4805 **Fax**  
**email**  
**Address** 2560 Skyway Drive  
**City** Santa Maria **State** CA **Zip** 93455

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**Project Location**

**County** Santa Barbara  
**City** Santa Maria  
**Region**  
**Lat / Long** 34° 53' 20.75" N / 120° 24' 39.29" W  
**Cross Streets** Morningside Drive  
**Parcel No.** 107-150-013  
**Township** 9 **Range** 34W **Section** 1 **Base**

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**Proximity to:**

**Highways** Hwy 101  
**Airports** Santa Maria Public Airport  
**Railways**  
**Waterways** Bradley Canyon Creek  
**Schools** Pioneer Valley HS  
**Land Use** Commercial

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**Project Issues** Aesthetic/Visual; Agricultural Land; Air Quality; Archaeologic-Historic; Biological Resources; Drainage/Absorption; Flood Plain/Flooding; Geologic/Seismic; Minerals; Noise; Population/Housing Balance; Public Services; Recreation/Parks; Schools/Universities; Septic System; Sewer Capacity; Soil Erosion/Compaction/Grading; Solid Waste; Toxic/Hazardous; Traffic/Circulation; Vegetation; Water Quality; Water Supply; Wetland/Riparian; Growth Inducing; Landuse; Cumulative Effects

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**Reviewing Agencies** Resources Agency; Department of Fish and Wildlife, Region 5; Office of Historic Preservation; Department of Parks and Recreation; Department of Water Resources; Caltrans, Division of Aeronautics; California Highway Patrol; Caltrans, District 5; Department of Food and Agriculture; Air Resources Board; Regional Water Quality Control Board, Region 3; Department of Toxic Substances Control; Native American Heritage Commission

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**Date Received** 05/06/2015 **Start of Review** 05/06/2015 **End of Review** 06/04/2015

**Appendix B**  
**Mitigation Monitoring Plan**

**MITIGATION MONITORING PLAN**  
 FOR THE PROPOSED NEW AGRICULTURAL EDUCATION AND CAREER TECHNICAL CENTER  
 SANTA MARIA, SANTA BARBARA COUNTY, CALIFORNIA

<b>Mitigation Measure</b>	<b>Responsible Party</b>	<b>Timeline for Implementation</b>
<p><b>MM-1</b> The District and/or their agents, representatives or contractors shall stop or redirect work immediately in the event archaeological remains are encountered during grading, construction, landscaping or other construction-related activity. The District shall retain a Santa Barbara County-approved archaeologist and Native American representative to evaluate the significance of the find in compliance with the provisions of Phase 2 investigations of the Santa Barbara County Archeological Guidelines and funded by the District. If remains are found to be significant, they shall be subject to Phase 3 mitigation program consistent with Santa Barbara County Archeological Guidelines and funded by the District.</p> <p><b>PLAN REQUIREMENTS:</b> This condition shall be printed on all building and grading plans</p> <p><b>MONITORING:</b> The Division of the State Architect shall check plans for inclusion of this measure prior to any ground disturbance or construction, and the State’s on-site representative shall spot check in the field throughout grading and construction.</p>	<p>Superintendent and Project Architect</p>	<p>Throughout earthmoving activities</p>
<p><b>MM-2</b> The contractor shall employ appropriate noise suppression attachments (e.g., mufflers, sound-dampening blankets etc.) on all equipment. Equipment idling shall be kept to a minimum and equipment turned off when not in use.</p>	<p>Superintendent, Project Superintendent</p>	<p>Throughout earthmoving activities</p>
<p><b>MM-3</b> The District will stencil “KEEP CLEAR” at the intersection of northbound 101 off ramp and Morningside Drive to notify drivers of on-coming vehicles.</p>	<p>Superintendent</p>	<p>Prior to the start of school activities</p>

**Appendix C**  
**Health Risk Assessment for Proposed School Site: Placeworks**

# TECHNICAL MEMORANDUM

DATE June 12, 2015

TO Santa Maria Joint Union High School District

ADDRESS 2560 Skyway Drive, Santa Maria, CA 93455

CONTACT Gary Wuitschick

FROM Steve Bush, PE  
Cathy Fitzgerald, DEnv, PE

SUBJECT Health Risk Assessment for Proposed School Site

PROJECT NUMBER SMJU-01

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## 1. Introduction

PlaceWorks was retained by the Santa Maria Joint Union High School District to conduct a health risk assessment of emissions from future oil production activities at a proposed high school site. The Health Risk Assessment (HRA) was conducted as required by Public Resources Code Section 21151.8 and Education Code Section 17213 and in accordance with relevant and appropriate procedures of the U.S. Environmental Protection Agency (USEPA), California Environmental Protection Agency (CalEPA), and Office of Environmental Health and Hazard Assessment (OEHHA).

### 1.1. PROJECT LOCATION

The property under consideration is located near the intersection of Morningside Drive and Founder Avenue in Santa Maria, Santa Barbara County, California 93455 ("Site"). The Site is approximately 25 acres in size, is bordered by Founder Avenue to the south, and is surrounded by agricultural lands. The proposed school would be an agricultural education and technical center for high school students. Figure 1, Project Site, provides an aerial view of the project site and surrounding land uses.

Although there currently are no oil wells at the Site, Greka Oil and Gas (Greka) has reserved the rights for future production and may install oil wells on the Site in the future. Greka has designated two drill site areas with dimensions of 450 feet by 210 feet at the northeastern and southwestern corners of the 25-acre Site, as shown in Figure 1.

## 2. Health Risk Assessment

### 2.1. OIL PRODUCTION WELLS

The HRA evaluated the impact of potential long-term (cancer risk and chronic non-cancer) and short-term (acute) exposure to air toxic emissions generated by future on-site operating oil production wells. The primary air pollutants of concern are benzene and other VOCs which are emitted via fugitive emissions

from various above-ground components of the wellheads (e.g. valves, flanges, connectors, and open-end lines) as well as the well cellars. Fugitive VOC emissions were characterized using the methodology developed by Santa Barbara County Air Pollution Control District (SBCAPCD), for Rule 344 for fugitive hydrocarbons.<sup>1</sup> The VOC speciation for fugitive leaks was based on Unocal AB2588 oil well testing results.<sup>2</sup> The compounds emitted from well are listed in Table 1.

**Table 1 Compounds Emitted from Oil Wells**

EVALUATED SOURCE	LOCATION
Oil Wells (fugitive emissions)	Ammonia Benzene Ethylbenzene Hydrogen Sulfide Naphthalene Toluene Xylene

Fugitive VOC emissions from future oil wells were estimated based on oil and gas production rates for existing nearby active wells. Based on a review of oil production wells using the Division of Oil, Gas, & Geothermal Resources’ (DOGGR’s) online Well Finder, two active oil wells owned by Greka were identified approximately 700 feet east-northeast from the Site (wells API 08320662 and API 08320585).<sup>3</sup> The potential fugitive VOC emissions from future oil wells at the Site were estimated based on 2014 oil and gas production rates from the two nearby active oil wells. Although well cellars are not required by SBCAPCD for new oil wells, to be conservative VOC emissions from a well cellar size of 64 square feet (8 feet by 8 feet) was assumed for each well.<sup>4</sup> Emissions from well cellars are typically greater than aboveground fugitive emissions from valves or leaks. For each reserved drill site, it was assumed that two oil production wells would be located within the central portion of those sites. A graphical representation of the emission sources and emissions calculations are presented in the Appendix.

**2.2. SCREENING MODEL**

To assess the impact of emitted compounds on individuals who may work and/or attend classes at the proposed school facility, air quality modeling using the USEPA SCREEN3 screening model was performed for the oil production wells. The model is a single source Gaussian plume model which provides maximum ground-level concentrations for point, area, and volume sources. This screening model presents a reasonably foreseeable worst-case analysis of air quality impacts from these sources and is likely to overestimate actual air quality impacts. The model was run using a full suite of meteorological conditions, using all six stability classes and their associated wind speeds to identify worst-case meteorological conditions. This results in conservative values because the low wind speeds and stable conditions that

<sup>1</sup> Santa Barbara County Air Control Pollution District (SBCAPCD). 2000. Rule 344 VOC Emissions for Fugitive Hydrocarbon (Version 5; fhc-kvb5.xls). Dated October 24, 2000.  
<sup>2</sup> Natural Resource Group. 2012. *Air Quality Impact Statement, La Habra Heights Facility, City of La Habra Heights, Los Angeles County, CA*. Dated December, 2012.  
<sup>3</sup> Division of Oil, Gas, and Geothermal Resources (DOGGR). 2014. Well Finder online database. URL: <http://www.conservation.ca.gov/dog/Pages/Wellfinder.aspx>, accessed June 9, 2015.  
<sup>4</sup> Well cellar sizes based on well cellar dimensions for four proposed Greka oil production wells in Yorba Linda, CA, per the Health Risk Assessment for Lakeview Apartments, prepared by PlaceWorks in March, 2015.

occur at nighttime (resulting in higher pollutant concentrations) were included in the data set although these conditions would not be present with student attendance during daytime hours.

The SCREEN3 model provides maximum one-hour ground level concentrations at receptor locations from each emission source. These were converted to annual average and maximum 8-hour concentrations by multiplying by a factor of 0.08 and 0.7, respectively.<sup>5</sup> The release height for fugitive emissions from the well heads was assumed to be approximately 1 meter above ground level. The SCREEN3 model output is presented in the Appendix.

For the cancer risk and chronic/acute hazard calculations, it was conservatively assumed that students or staff would be standing at the perimeter boundary of the drill site for 4 hours (i.e., during the program operating hours between 9:30 am to 1:40 pm). This would be a distance of approximately 105 feet (32 meters) from the production wells. Based on the conceptual site layout for the facility, the drill sites would be in areas surrounded by pasture and field crops and it is unlikely that there would be continuous exposure of students and staff in these areas.

It also is conservatively assumed that there would be two production wells per drill site. However, it is possible that Greka may not exercise their option for future production in this area. Any drilling and operational production activities would be subject to permits and regulations promulgated by the Santa Barbara County Air Pollution Control Board to minimize emissions. At this time, there are no emissions on or near the project Site.

### 2.3. RISK ASSESSMENT

The State of California has established a threshold of one in one hundred thousand (1.0E-05 or ten in a million) as a level posing no significant risk for exposures to carcinogens regulated under the Safe Drinking Water and Toxic Enforcement Act (Proposition 65). The cancer risk is determined by multiplying the dose by the inhalation cancer potency factor. To calculate dose, discrete variates (breathing rate, age sensitivity factor, exposure duration, and averaging time) for school staff and student receptors are obtained from OEHHA guidance documents.<sup>6</sup> Cancer potency factors derived by OEHHA are also used.<sup>7</sup>

To quantify chronic and acute non-carcinogenic impacts, the hazard index approach is used. The hazard index assumes that chronic and acute sub-threshold exposures adversely affect a specific organ or organ system (toxicological endpoint). To calculate the hazard index, each chemical concentration or dose is divided by the appropriate toxicity value. Reference Exposure Levels (RELs) promulgated by OEHHA were considered in the assessment.<sup>8</sup> For compounds affecting the same toxicological endpoint, this ratio is summed. Where the total equals or exceeds one, a health hazard is presumed to exist.

Risk calculation worksheets are attached and include discrete variates and cancer potency factors used to calculate cancer risk, as well as RELs associated with the calculation of hazard indexes.

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<sup>5</sup> Office of Environmental Health Hazard Assessment (OEHHA). 2015. *Air Toxics Hot Spots Program Guidance Manual for the Preparation of Health Risk Assessments*. Dated February, 2015.

<sup>6</sup> Ibid.

<sup>7</sup> Office of Environmental Health Hazard Assessment (OEHHA). 2015. Toxicity Criteria Database. URL: <http://oehha.ca.gov/risk/chemicaldb/index.asp>. Accessed June 10, 2015.

<sup>8</sup> Office of Environmental Health Hazard Assessment (OEHHA). 2015. Toxicity Criteria Database. URL: <http://www.oehha.ca.gov/air/allrels.html>. Accessed June 10, 2015.



## 2.4. RESULTS

The summary results of the HRA are provided in Table 2. The excess cancer risk was calculated to be 0.23 per million for adult school staff and 0.19 per million for students. In comparison to the threshold level of 10 in a million, carcinogenic risks are well below the significance threshold value for both school staff and students. For chronic and acute non-carcinogenic effects, the hazard index identified for each toxicological endpoint totaled less than one for both school staff and students. Therefore, chronic and acute non-carcinogenic hazards are below the significance threshold.

**Table 2 Health Risk Assessment Summary**

EMISSION SOURCES	CANCER RISK (PER MILLION)		CHRONIC HAZARDS	ACUTE HAZARDS	
	STAFF	STUDENTS		1-HOUR	8-HOUR
Oil Production Wells	0.23	0.19	0.08	0.11	0.36
Threshold	10	10	1.0	1.0	1.0
<b>Exceeds Threshold?</b>	<b>No</b>	<b>No</b>	<b>No</b>	<b>No</b>	<b>No</b>

Source: Lakes Screen View 3.5.0 (Screen3, 2011), and OEHHA *Guidance for Preparation of Health Risk Assessments* (2015).

## 3. Conclusions

Based on a comparison to the carcinogenic and non-carcinogenic thresholds established under the California Safe Drinking Water and Toxic Enforcement Act (Proposition 65) and OEHHA, hazardous air emissions generated from future oil productions wells are not anticipated to pose an actual or potential endangerment to occupants of the proposed school and no mitigation measures are required.

Respectfully submitted,

**PlaceWorks**



Steven J. Bush, PE  
Project Engineer



Cathleen M. Fitzgerald, DEnv, PE  
Senior Engineer

## Appendix – Health Risk Assessment

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Figure 1 - Project Site



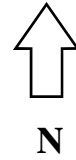
— Site Boundary

0 250  
Scale (Feet)

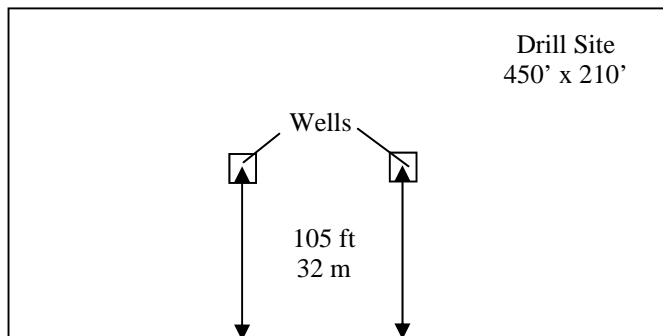


Source: Google Earth Pro, 2015

**Source 1**  
**Greka Oil & Gas, Inc.**  
Potential Drill Sites  
Santa Maria, CA 93455  
7 Days: 24 Hours



**Chemical and Use Rate**  
Oil Production Wells (assumed 2 wells per drill site)



- Oil well cellars are 8 feet x 8 feet (64 SF area).
- Assumed at-grade well heads. Release height of fugitive emissions assumed to be approximately 1 m above ground level.

## FUGITIVE HYDROCARBON CALCULATIONS - CARB/KVB METHOD

Page 1 of 2

ADMINISTRATIVE INFORMATION
Attachment: 1
Company: PlaceWorks
Facility: Greka Oil and Gas, Well No 53-1, API 08320662
Processed by: SJB
Date: 6/9/2015

Version: fhc-kvb5.xls  
Date: 24-Oct-00

Reference: CARB speciation profiles #s 529, 530, 531, 532

Data	Value	Units
Number of Active Wells at Facility	2	wells
Facility Gas Production	0	scf/day
Facility Dry Oil Production	15.434	bbls/day
Facility Gas to Oil Ratio (if > 500 then default to 501)	0	scf/bbl
API Gravity	16.3	degrees API
Facility Model Number	1	dimensionless
No. of Steam Drive Wells with Control Vents	0	wells
No. of Steam Drive Wells with Uncontrol Vents	0	wells
No. of Cyclic Steam Drive Wells with Control Vents	0	wells
No. of Cyclic Steam Drive Wells with Uncontrol Vents	0	wells
Composite Valve and Fitting Emission Factor	2.4868	lb/day-well

Lease Model	Valve ROG Emission Factor Without Ethane	Fitting ROG Emission Factor Without Ethane	Composite ROG Emission Factor Without Ethane	
1	1.4921	0.9947	2.4868	lbs/day-well
2	0.6999	0.6092	1.3091	lbs/day-well
3	0.0217	0.0673	0.0890	lbs/day-well
4	4.5090	2.1319	6.6409	lbs/day-well
5	0.8628	1.9424	2.8053	lbs/day-well
6	1.7079	2.5006	4.2085	lbs/day-well

Model #1: Number of wells on lease is less than 10 and the GOR is less than 500

Model #2: Number of wells on lease is between 10 and 50 and the GOR is less than 500

Model #3: Number of wells on lease is greater than 50 and the GOR is less than 500

Model #4: Number of wells on lease is less than 10 and the GOR is greater than 500

Model #5: Number of wells on lease is between 10 and 50 and the GOR is greater than 500

Model #6: Number of wells on lease is greater than 50 and the GOR is greater than 500

### ROC Emission Calculation Summary Results Table Reactive Organic Compounds<sup>(c)</sup>

	lbs/hr	lbs/day	tons/year
Valves and Fittings <sup>(a)</sup>	0.04	0.99	0.18
Sumps, Wastewater Tanks and Well Cellars <sup>(b)</sup>	0.15	3.61	0.66
Oil/Water Separators <sup>(b)</sup>	0.00	0.00	0.00
Pumps/Compressors/Well Heads <sup>(a)</sup>	0.00	0.03	0.01
Enhanced Oil Recovery Fields	0.00	0.00	0.00
<b>Total Facility FHC Emissions (ROC)</b>	<b>0.193</b>	<b>4.641</b>	<b>0.85</b>

a: Emissions amount reflect an 80% reduction due to Rule 331 implementation

b: Emissions reflect control efficiencies where applicable

c: Due to rounding, the totals may not appear correct

**FUGITIVE HYDROCARBON CALCULATIONS - CARB/KVB METHOD**

**Emission Calculation by Emission Unit**

**Pumps, Compressors, and Well Heads Uncontrolled Emission Calculations**

Number of Wells	2	wells
Wellhead emissions	0.0194	ROC (lb/well-day)
FHC from Pumps	0.0078	ROC (lb/well-day)
FHC from Compressors	0.1358	ROC (lb/well-day)
Total:	<u>0.1630</u>	ROC (lb/well-day)

**Sumps, Uncovered Wastewater Tanks, and Well Cellars**

Efficiency Factor: (70% for well cellars, 0% for uncovered WW tanks, sumps and pits)  
 Unit Type/Emissions Factor

	Heavy Oil Service	Light Oil Service	
Primary	0.0941	0.138	(lb ROC/ft <sup>2</sup> -day)
Secondary	0.0126	0.018	(lb ROC/ft <sup>2</sup> -day)
Tertiary	0.0058	0.0087	(lb ROC/ft <sup>2</sup> -day)

**Surface Area and Type (emissions in lbs/day)**

Description/Name	Number	Area (ft <sup>2</sup> )	Primary	Secondary	Tertiary
Well Cellars <sup>(a)</sup>	2	128	3.61	0.00	0.00
			3.61	0.00	0.00

(a) A 70% reduction is applied for implementation of Rule 344 (Sumps, Pits, and Well Cellars).

**Covered Wastewater Tanks**

Efficiency Factor: 85%

**Surface Area and Type (emissions in lbs/day)**

Description/Name	Number	Area (ft <sup>2</sup> )	Primary	Secondary	Tertiary
			0.00	0.00	0.00
			0.00	0.00	0.00

**Covered Wastewater Tanks Equipped with Vapor Recovery**

Efficiency Factor: 95%

**Surface Area and Type (emissions in lbs/day)**

Description/Name	Number	Area (ft <sup>2</sup> )	Primary	Secondary	Tertiary
			0.00	0.00	0.00
			0.00	0.00	0.00

**Oil/Water Separators**

Efficiency Factor: varies (85% for cover, 95% for VRS, 0% for open top)  
 Emissions Factor: 560 (lb ROC/MM Gal)

**Type (emissions in lbs/day)**

Description/Name	TP-MM Gal	Equipped with Cover	Equipped with VRS	Open Top	Total lb/day
		0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0

**Greka Oil & Gas, Inc.**  
**Jim Hopkins Site**  
**Santa Maria, CA 93455**

Operation: Oil & Gas Production, Fugitive VOC Emissions

Temporal Profile:	hours	days	weeks
	24	7	52
	0	0	0

Uncontrolled Produced Gas (2014): <sup>(1)</sup>

Well ID	<b>53-1</b>
Well API	<b>08320662</b>
Oil production (bbl)	5,618
Gas volume (Mcf)	0.0
Days	364
Oil (bbl/day)	15.43
Gas volume (cf/day)	0.0

Emissions:

Fugitive ROG <sup>(2)</sup>	4.64	lbs/day
	0.193	lbs/hr
Fugitive VOCs <sup>(3)</sup>	0.047	lbs/hr
Total VOC Emissions	0.0059	g/s
Well Cellar Area (2 cellars)	128	SF
	11.89	m <sup>2</sup>
Emissions per area	<b>5.0E-04</b>	g/s/m <sup>2</sup>

Speciation: <sup>(4)</sup>

	Weight Fraction
Ammonia	1.2E-05
Benzene	2.9E-03
Ethylbenzene	5.8E-04
Hydrogen Sulfide	1.1E-05
Naphthalene	5.0E-06
Toluene	2.6E-03
Xylene	1.8E-03

(1) Well production information for Division of Oil, Gas & Geothermal Resources Well Finder, API 08320662 for 2014. <http://maps.conservation.ca.gov/doggr/index.html>

(2) VOC Emissions for Fugitive Hydrocarbon (Version 5) methodology developed by Santa Barbara County APCD, for Rule 344 (fhc-kvb5.xls). One well cellar (8' x 8') conservatively included for each well head. Well Cellar size based on Greka Oil & Gas well cellar planned for Well Y28 in Yorba Linda, CA (API 05906217).

(3) Weight fraction of 0.2438 VOC/ROG from SCAQMD form P-1.

(4) Fugitive Leak speciation from TAC speciation emission factors (lb/lb VOC) from Air Quality Impact Statement, La Habra Heights Facility, City of La Habra Heights, Los Angeles County, CA (Natural Resource Group, 2012). Based on Unocal AB2588 testing results (1991).



## FUGITIVE HYDROCARBON CALCULATIONS - CARB/KVB METHOD

Page 1 of 2

ADMINISTRATIVE INFORMATION
Attachment: 2
Company: PlaceWorks
Facility: Greka Oil and Gas, Well No 62-1, API 08320585
Processed by: SJB
Date: 6/9/2015

Version: fhc-kvb5.xls  
Date: 24-Oct-00

Reference: CARB speciation profiles #s 529, 530, 531, 532

Data	Value	Units
Number of Active Wells at Facility	2	wells
Facility Gas Production	0	scf/day
Facility Dry Oil Production	18.850	bbls/day
Facility Gas to Oil Ratio (if > 500 then default to 501)	0	scf/bbl
API Gravity	13.8	degrees API
Facility Model Number	1	dimensionless
No. of Steam Drive Wells with Control Vents	0	wells
No. of Steam Drive Wells with Uncontrol Vents	0	wells
No. of Cyclic Steam Drive Wells with Control Vents	0	wells
No. of Cyclic Steam Drive Wells with Uncontrol Vents	0	wells
Composite Valve and Fitting Emission Factor	2.4868	lb/day-well

Lease Model	Valve ROG Emission Factor Without Ethane	Fitting ROG Emission Factor Without Ethane	Composite ROG Emission Factor Without Ethane	
1	1.4921	0.9947	2.4868	lbs/day-well
2	0.6999	0.6092	1.3091	lbs/day-well
3	0.0217	0.0673	0.0890	lbs/day-well
4	4.5090	2.1319	6.6409	lbs/day-well
5	0.8628	1.9424	2.8053	lbs/day-well
6	1.7079	2.5006	4.2085	lbs/day-well

Model #1: Number of wells on lease is less than 10 and the GOR is less than 500

Model #2: Number of wells on lease is between 10 and 50 and the GOR is less than 500

Model #3: Number of wells on lease is greater than 50 and the GOR is less than 500

Model #4: Number of wells on lease is less than 10 and the GOR is greater than 500

Model #5: Number of wells on lease is between 10 and 50 and the GOR is greater than 500

Model #6: Number of wells on lease is greater than 50 and the GOR is greater than 500

### ROC Emission Calculation Summary Results Table Reactive Organic Compounds<sup>(c)</sup>

	lbs/hr	lbs/day	tons/year
Valves and Fittings <sup>(a)</sup>	0.04	0.99	0.18
Sumps, Wastewater Tanks and Well Cellars <sup>(b)</sup>	0.15	3.61	0.66
Oil/Water Separators <sup>(b)</sup>	0.00	0.00	0.00
Pumps/Compressors/Well Heads <sup>(a)</sup>	0.00	0.03	0.01
Enhanced Oil Recovery Fields	0.00	0.00	0.00
<b>Total Facility FHC Emissions (ROC)</b>	<b>0.193</b>	<b>4.641</b>	<b>0.85</b>

a: Emissions amount reflect an 80% reduction due to Rule 331 implementation

b: Emissions reflect control efficiencies where applicable

c: Due to rounding, the totals may not appear correct

**FUGITIVE HYDROCARBON CALCULATIONS - CARB/KVB METHOD**

**Emission Calculation by Emission Unit**

**Pumps, Compressors, and Well Heads Uncontrolled Emission Calculations**

Number of Wells	2	wells
Wellhead emissions	0.0194	ROC (lb/well-day)
FHC from Pumps	0.0078	ROC (lb/well-day)
FHC from Compressors	0.1358	ROC (lb/well-day)
Total:	<u>0.1630</u>	ROC (lb/well-day)

**Sumps, Uncovered Wastewater Tanks, and Well Cellars**

Efficiency Factor: (70% for well cellars, 0% for uncovered WW tanks, sumps and pits)  
 Unit Type/Emissions Factor

	Heavy Oil Service	Light Oil Service	
Primary	0.0941	0.138	(lb ROC/ft <sup>2</sup> -day)
Secondary	0.0126	0.018	(lb ROC/ft <sup>2</sup> -day)
Tertiary	0.0058	0.0087	(lb ROC/ft <sup>2</sup> -day)

**Surface Area and Type (emissions in lbs/day)**

Description/Name	Number	Area (ft <sup>2</sup> )	Primary	Secondary	Tertiary
Well Cellars <sup>(a)</sup>	2	128	3.61	0.00	0.00
			3.61	0.00	0.00

(a) A 70% reduction is applied for implementation of Rule 344 (Sumps, Pits, and Well Cellars).

**Covered Wastewater Tanks**

Efficiency Factor: 85%

**Surface Area and Type (emissions in lbs/day)**

Description/Name	Number	Area (ft <sup>2</sup> )	Primary	Secondary	Tertiary
			0.00	0.00	0.00
			0.00	0.00	0.00

**Covered Wastewater Tanks Equipped with Vapor Recovery**

Efficiency Factor: 95%

**Surface Area and Type (emissions in lbs/day)**

Description/Name	Number	Area (ft <sup>2</sup> )	Primary	Secondary	Tertiary
			0.00	0.00	0.00
			0.00	0.00	0.00

**Oil/Water Separators**

Efficiency Factor: varies (85% for cover, 95% for VRS, 0% for open top)  
 Emissions Factor: 560 (lb ROC/MM Gal)

**Type (emissions in lbs/day)**

Description/Name	TP-MM Gal	Equipped with Cover	Equipped with VRS	Open Top	Total lb/day
		0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0

**Greka Oil & Gas, Inc.**  
**Jim Hopkins Site**  
**Santa Maria, CA 93455**

Operation: Oil & Gas Production, Fugitive VOC Emissions

Temporal Profile:	hours	days	weeks
	24	7	52
	0	0	0

Uncontrolled Produced Gas (2014): <sup>(1)</sup>

Well ID	<b>62-1</b>
Well API	<b>08320585</b>
Oil production (bbl)	5,787
Gas volume (Mcf)	0
Days	307
Oil (bbl/day)	18.85
Gas volume (cf/day)	0

Emissions:

Fugitive ROG <sup>(2)</sup>	4.64	lbs/day
	0.193	lbs/hr
Fugitive VOCs <sup>(3)</sup>	0.047	lbs/hr
Total VOC Emissions	0.0059	g/s
Well Cellar Area (2 cellars)	128	SF
	11.89	m <sup>2</sup>
Emissions per area	<b>5.0E-04</b>	g/s/m <sup>2</sup>

Speciation: <sup>(4)</sup>

	Weight Fraction
Ammonia	1.2E-05
Benzene	2.9E-03
Ethylbenzene	5.8E-04
Hydrogen Sulfide	1.1E-05
Naphthalene	5.0E-06
Toluene	2.6E-03
Xylene	1.8E-03

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(3) Weight fraction of 0.2438 VOC/ROG from SCAQMD form P-1.

(4) Fugitive Leak speciation from TAC speciation emission factors (lb/lb VOC) from Air Quality Impact Statement, La Habra Heights Facility, City of La Habra Heights, Los Angeles County, CA (Natural Resource Group, 2012). Based on Unocal AB2588 testing results (1991).

APINUMBE	POOLCODE	WELLTYPE	DATE	STATUS	OILPROD	WATERPRC	DAYSPROD	GASPROD	APIGRAVIT	CSGPRESS	TBGPRESS	BTU	MO	WATERDISP
8320585	5	OG	Jan-14	6	0	0	0	0	16.3	0	0	0	3	5
8320585	5	OG	Feb-14	0	87	4202	4	0	16.3	0	0	0	3	5
8320585	5	OG	Mar-14	0	768	35486	31	0	16.3	0	0	0	3	5
8320585	5	OG	Apr-14	0	682	32591	30	0	16.3	0	0	0	3	5
8320585	5	OG	May-14	0	520	33866	31	0	16.3	0	0	0	3	5
8320585	5	OG	Jun-14	0	561	34066	29	0	16.3	0	0	0	3	5
8320585	5	OG	Jul-14	6	261	35606	31	0	16.3	0	0	0	3	5
8320585	5	OG	Aug-14	0	660	32366	29	0	13.8	0	0	0	3	5
8320585	5	OG	Sep-14	0	272	43538	30	0	13.8	0	0	0	3	5
8320585	5	OG	Oct-14	0	812	47513	31	0	13.8	0	0	0	3	5
8320585	5	OG	Nov-14	0	589	45700	30	0	13.8	0	0	0	3	5
8320585	5	OG	Dec-14	0	575	46392	31	0	13.8	0	0	0	3	5
8320585	5	OG	2014		5787	391326	307	0	0	0	0	0		
8320585	5	OG	Jan-15	0	406	38385	25	0	13.8	0	0	0	3	5
8320585	5	OG	Feb-15	0	431	24021	17	0	13.8	0	0	0	3	5
8320585	5	OG	Mar-15	0	609	44629	31	0	13.8	0	0	0	3	5
8320585	5	OG	Apr-15	0	611	44157	30	0	13.8	0	0	0	3	5
8320585	5	OG	2015		2057	151192	103	0	0	0	0	0		

API NUMBE	POOLCODE	WELLTYPE	DATE	STATUS	OILPROD	WATERPRC	DAYSPROD	GASPROD	APIGRAVIT	CSGPRESS	TBGPRESS	BTU	MO	WATERDISP
8320662	5	OG	Apr-15	0	439	11601	30	0	13.8	0	0	0	3	5
8320662	5	OG	Mar-15	0	449	12047	31	0	13.8	0	0	0	3	5
8320662	5	OG	Feb-15	0	525	10679	28	0	13.8	0	0	0	3	5
8320662	5	OG	Jan-15	0	372	12848	31	0	13.8	0	0	0	3	5
8320662	5	OG	2015		1785	47175	120	0	0	0	0	0		
8320662	5	OG	Dec-14	0	425	12523	31	0	13.8	0	0	0	3	5
8320662	5	OG	Nov-14	0	435	12336	30	0	13.8	0	0	0	3	5
8320662	5	OG	Oct-14	0	600	12825	31	0	13.8	0	0	0	3	5
8320662	5	OG	Sep-14	0	201	11752	30	0	13.8	0	0	0	3	5
8320662	5	OG	Aug-14	0	488	11674	30	0	13.8	0	0	0	3	5
8320662	5	OG	Jul-14	0	467	12227	31	0	16.3	0	0	0	3	5
8320662	5	OG	Jun-14	0	416	12353	30	0	16.3	0	0	0	3	5
8320662	5	OG	May-14	0	496	11494	31	0	16.3	0	0	0	3	5
8320662	5	OG	Apr-14	0	650	11061	30	0	16.3	0	0	0	3	5
8320662	5	OG	Mar-14	0	660	12242	31	0	16.3	0	0	0	3	5
8320662	5	OG	Feb-14	0	438	10311	28	0	16.3	0	0	0	3	5
8320662	5	OG	Jan-14	0	342	10454	31	0	16.3	0	0	0	3	5
8320662	5	OG	2014		5618	141252	364	0	0	0	0	0		

06/12/15

11:21:18

\*\*\* SCREEN3 MODEL RUN \*\*\*  
\*\*\* VERSION DATED 96043 \*\*\*

C:\!Projects\Screen3\santamaria.scr

SIMPLE TERRAIN INPUTS:

SOURCE TYPE = AREA  
EMISSION RATE (G/(S-M\*\*2)) = 0.500000E-03  
SOURCE HEIGHT (M) = 1.0000  
LENGTH OF LARGER SIDE (M) = 4.8768  
LENGTH OF SMALLER SIDE (M) = 4.8768  
RECEPTOR HEIGHT (M) = 1.0000  
URBAN/RURAL OPTION = RURAL

THE REGULATORY (DEFAULT) MIXING HEIGHT OPTION WAS SELECTED.  
THE REGULATORY (DEFAULT) ANEMOMETER HEIGHT OF 10.0 METERS WAS ENTERED.

ANGLE RELATIVE TO LONG AXIS = 0.0000

BUOY. FLUX = 0.000 M\*\*4/S\*\*3; MOM. FLUX = 0.000 M\*\*4/S\*\*2.

\*\*\* FULL METEOROLOGY \*\*\*

\*\*\*\*\*  
\*\*\* SCREEN DISCRETE DISTANCES \*\*\*  
\*\*\*\*\*

\*\*\* TERRAIN HEIGHT OF 0. M ABOVE STACK BASE USED FOR FOLLOWING DISTANCES  
\*\*\*

DIST (M)	CONC (UG/M**3)	STAB	U10M (M/S)	USTK (M/S)	MIX HT (M)	PLUME HT (M)	MAX DIR (DEG)
32.	1062.	6	1.0	1.0	10000.0	1.00	0.
64.	560.2	6	1.0	1.0	10000.0	1.00	0.
69.	517.5	6	1.0	1.0	10000.0	1.00	0.

\*\*\*\*\*  
\*\*\* SUMMARY OF SCREEN MODEL RESULTS \*\*\*  
\*\*\*\*\*

CALCULATION PROCEDURE	MAX CONC (UG/M**3)	DIST TO MAX (M)	TERRAIN HT (M)
SIMPLE TERRAIN	1062.	32.	0.

\*\*\*\*\*  
\*\* REMEMBER TO INCLUDE BACKGROUND CONCENTRATIONS \*\*  
\*\*\*\*\*

**Table D1**  
**Quantification of Carcinogenic Risks**  
**School Based Receptors**

Source Number (a)	Source (b)	MER Conc. ( $\mu\text{g}/\text{m}^3$ ) (c)	Weight Fraction (d)	Contaminant (e)	URF ( $\mu\text{g}/\text{m}^3$ ) <sup>-1</sup> (f)	CPF ( $\text{mg}/\text{kg}/\text{day}$ ) <sup>-1</sup> (g)	Dose		Carcinogenic Risks		
							Staff	Student	Staff	Student	
							( $\text{mg}/\text{kg}\text{-day}$ ) (h)	( $\text{mg}/\text{kg}\text{-day}$ ) (i)	per million (j)	per million (k)	
1	Greka Oil and Gas, Inc. Oil Wells (2)	8.50E+01	1.20E-05	Ammonia							
			2.90E-03	Benzene	2.9E-05	1.0E-01	6.2E-06	1.1E-05	2.25E-01	1.83E-01	
			5.80E-04	Ethylbenzene	2.5E-06	8.8E-03	1.2E-06	2.1E-06	3.88E-03	3.16E-03	
			1.10E-05	Hydrogen Sulfide							
			5.00E-06	Naphthalene	3.4E-05	1.2E-01	1.1E-08	1.8E-08	4.55E-04	3.70E-04	
			2.60E-03	Toluene							
			1.80E-03	Xylenes							
<b>TOTAL</b>								<b>0.23</b>	<b>0.19</b>		

MER Concentration for Maximum Exposed Receptor, calculated as 1-hour conc. from Screen3, and adjusted to annual average concentration.

MER Conc. = (1-hr Conc.) x (0.08)

		Staff	Students
Dose Exposure Factors:	exposure frequency (days/year)	240	180
	exposure duration (hours/day)	4	4
	inhalation rate (L/kg-8-hours) <sup>1</sup>	230	520
	inhalation absorption factor	1	1
Risk Calculation Factors:	age sensitivity factor	1	3
	exposure duration (years)	25	4
	averaging time (years)	70	70

<sup>1</sup> Eight-hour inhalation rate taken as the 95th percentile breathing rates for moderate intensity activities (OEHHA, 2015).

**Table D2  
Quantification of Non-Carcinogenic Risks**

Source Number <sup>a</sup> (a)	Source (b)	REL Type (c)	MER Conc. ( $\mu\text{g}/\text{m}^3$ ) (d)	Weight Fraction (e)	Contaminant (f)	Chronic Hazards / Toxicological Endpoints*								
						REL ( $\mu\text{g}/\text{m}^3$ ) (g)	RESP (h)	CNS/PNS (i)	CV/BL (j)	IMMUN (k)	KIDN (l)	GI/LV (m)	REPRO (n)	EYES (o)
<b>Chronic Hazards</b>														
1	Greka Oil and Gas, Inc. Oil Wells (2)	Chronic	8.50E+01	1.20E-05 2.90E-03 5.80E-04 1.10E-05 5.00E-06 2.60E-03 1.80E-03	Ammonia Benzene Ethylbenzene Hydrogen Sulfide Naphthalene Toluene Xylenes	2.0E+02 3.0E+00 2.0E+03 1.0E+01 9.0E+00 3.0E+02 7.0E+02	5.1E-06   9.3E-05 4.7E-05 7.4E-04 2.2E-04		8.2E-02	2.5E-05	2.5E-05	2.5E-05	2.5E-05	7.4E-04 2.2E-04
MER Conc. = (1-hr Conc.) x (0.08)						TOTAL	1.1E-03	9.5E-04	8.2E-02	2.5E-05	2.5E-05	2.5E-05	7.6E-04	2.2E-04
						<b>Maximum Chronic Hazard</b>		<b>8.2E-02</b>	<b>CV/BL</b>					
<b>Acute (1-Hour) Hazards</b>														
1	Greka Oil and Gas, Inc. Oil Wells (2)	1-Hour	1.06E+03	1.20E-05 2.90E-03 1.10E-05 2.60E-03 1.80E-03	Ammonia Benzene Hydrogen Sulfide Toluene Xylenes	3.2E+03 2.7E+01 4.2E+01 3.7E+04 2.2E+04	4.0E-06   7.5E-05 8.7E-05		1.1E-01	1.1E-01			1.1E-01	4.0E-06 7.5E-05 8.7E-05
MER Conc. = 1-hr Conc.						TOTAL	1.7E-04	4.4E-04	1.1E-01	1.1E-01	0.0E+00	0.0E+00	1.1E-01	1.7E-04
						<b>Maximum Acute Hazard</b>		<b>1.1E-01</b>	<b>REPRO</b>					
<b>8-Hour Hazards</b>														
1	Greka Oil and Gas, Inc. (2 wells)	8-Hour	3.72E+02	2.90E-03	Benzene	3.0E+00			3.6E-01					
MER Conc. = (1-hr Conc.) x (0.7) x (4 hours per day/8-hours)						TOTAL	0.0E+00	0.0E+00	3.6E-01	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00
						<b>Maximum 8-Hour Hazard</b>		<b>3.6E-01</b>	<b>CV/BL</b>					

\* Key to Toxicological Endpoints

RESP Respiratory System  
 CNS/PNS Central/Peripheral Nervous System  
 CV/BL Cardiovascular/Blood System  
 IMMUN Immune System  
 KIDN Kidney  
 GI/LV Gastrointestinal Tract and Liver/Alimentary Tract  
 REPRO Reproductive System  
 EYES Eye irritation and/or other effects



Appendix D  
May 2015 Draft IS/MND

**DRAFT**  
**Initial Study /**  
**Mitigated Negative Declaration**

**Agricultural Education and Career**  
**Technical Center**

*Lead Agency:*  
*Santa Maria Joint Union High School District*  
*2560 Skyway Drive*  
*Santa Maria California 93455*  
*May 2015*

*School Site Solutions, Inc.*



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A Site Photos

B Site Diagram

C Geologic Hazards Report

D Phase I Environmental Site Assessment

E California Department of Transportation Aeronautics Review

F CalEEMod Emissions Estimator Results

G NAHC Sacred Files Request

H Traffic Impact Study

I DTSC No Further Action Letter

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# 1 Introduction

The Santa Maria Joint Union High School District (SMJUHSD) is proposing to construct a new Career and Technical Education School, located at 1280 Founders Avenue in Santa Maria, Santa Barbara County, California. Pursuant to the California Environmental Quality Act (CEQA; *Public Resources Code* Section 21000, et seq. and CEQA Guidelines), SMJUHSD has prepared this Initial Study (IS) to consider the potential environmental impacts that might result from the construction and operation of the new classroom building.

SMJUHSD is the Lead Agency for CEQA compliance on this project. Based on the results of the IS, SMJUHSD has determined that although the project could have a significant impact on the environment, mitigation measures will be employed to ensure all impacts remain less than significant. As a result, a Mitigated Negative Declaration (MND) is the appropriate CEQA compliance document for this project.

This Draft IS/MND contains the following sections:

- Section 2** Initial Study Findings
- Section 3** Initial Study Checklist
- Section 4** Supporting Information Sources

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## 2 Initial Study Findings

1. **Project title:**  
Agricultural Education and Career Technical Center
2. **Lead Agency name and address:**  
Santa Maria Joint Union High School District  
2560 Skyway Drive  
Santa Maria, CA 93455
3. **Contact person and phone number:**  
Gary Wuitschick (805) 922-4573 x4805
4. **Project location:**  
The Project Site occupies approximately 25-acres, and is located at 1280 Founders Avenue in Santa Maria, Santa Barbara County. The Site is located southeast of the City of Santa Maria in the central portion of Santa Maria Valley. The Site consists of planting rows covered with plastic sheeting and a drip irrigation system. The Site is further identified by APN 107-150-013, Section 1 Township 9 North, Range 34 West; the Site location is shown in **Figures 1 and 3**.
5. **Project sponsor's name and address:**  
Same as Lead Agency
6. **General Plan designation:**  
Commercial
7. **Zoning:**  
Commercial
8. **Description of project:**  
The Santa Maria Joint Union High School District (SMJUHSD) proposes to acquire 25.32 acres of agricultural use property to construct a Career and Technical Education program providing capstone courses, allowing the students to apply classroom knowledge. The master plan capacity for the site is 198 students with 6 classrooms/workshops loaded at 33 students per classroom. The site is located at 1280 Founders Avenue, Santa Maria, Santa Barbara County, California; further identified by assessor's parcel number 107-150-013.  
  
Several structures will be constructed to house both students and livestock required for the curriculum provided; two workshop buildings at 9,600 sq. ft. and 10,350 sq. ft. respectively and an animal barn of 16,000 sq. ft. represent an initial estimate of 35,950 sq. ft. of new building construction. Pursuant to future local funding approval by voters, a second phase may add an agriculture pavilion/culinary arts/administration building/cafeteria of 5,750 sq. ft.  
  
The land use will be dedicated for following uses: pasture (5.3 acres), truck crop (4.4 acres), field crop (4.3 acres), orchard use (5.1 acres), pavilion parade ground (2.2 acres), structures and vehicular areas (4.0 acres) for a total of 25.3 acres. Livestock will be housed on-site with a total of 86 pens for steer, goat, sheep and pigs. These pens will be located within the animal barn area. The remaining land will be used to construct a parking lot with a capacity of 150

vehicles, 2.5 acre retention pond, and 2,000 sq. ft. for landscaping. As a part of the project, street improvements for ingress and egress will take place on New Founders Road north of the future church.

The program will operate between 9:30 am to 1:40 pm, with students coming in two shifts. Students will be bused to the campus via 4 buses in the am and in the pm; no personal vehicles will be used for student transportation. The Ag Ed and Career Technical Center program will have 9 full time employees on-site, 8 teachers and 1 maintenance worker.

All utilities will connect to the future church adjacent to the project site. A retention basin will be constructed on site for water collection and waste water will be connected to the county sewer via the future church.

**9. Surrounding land uses and setting:**

The Site is bordered to the north by agricultural property; to the east by agricultural property, beyond which is the Greka Oil and Gas Company oil field facility consisting of several oil-gas wells, associated piping and aboveground storage tanks; to the south by the Santa Maria Elks Rodeo facility; and the west by undeveloped/grazing land, beyond which is a polished pet grooming and kennel facility, and Highway 101.

**10. Other public agencies whose approval is required:**

As a condition for receiving State matching funds for construction of the new classroom wing, SMJUHSD will obtain approval from the California Department of Education (CDE), including clearance from the Department of Toxic Substances Control (DTSC), and the Division of the State Architect (DSA). SMJUHSD would comply with applicable local, state and federal regulations as related to the permits needed for project construction and implementation.



**ENVIRONMENTAL FACTORS POTENTIALLY AFFECTED:**

The environmental factors checked below would be potentially affected by this project. Please see the following checklist for additional information.

<input type="checkbox"/>	Aesthetics	<input type="checkbox"/>	Agriculture and Forestry	<input type="checkbox"/>	Air Quality
<input type="checkbox"/>	Biological Resources	<input checked="" type="checkbox"/>	Cultural Resources	<input type="checkbox"/>	Geology/Soils
<input type="checkbox"/>	Greenhouse Gas Emissions	<input type="checkbox"/>	Hazards and Hazardous Materials	<input type="checkbox"/>	Hydrology/Water Quality
<input type="checkbox"/>	Land Use/Planning	<input type="checkbox"/>	Mineral Resources	<input checked="" type="checkbox"/>	Noise
<input type="checkbox"/>	Population/Housing	<input type="checkbox"/>	Public Services	<input type="checkbox"/>	Recreation
<input type="checkbox"/>	Transportation/Traffic	<input type="checkbox"/>	Utilities/Service Systems	<input checked="" type="checkbox"/>	Mandatory Findings of Significance

**Determination**

On the basis of this initial evaluation:

- I find that the proposed project COULD NOT have a significant effect on the environment, and a NEGATIVE DECLARATION will be prepared.
- I find that although the proposed project could have a significant effect on the Environment, there will not be a significant effect in this case because revisions in the project have been made by or agreed to by the project proponent. A MITIGATED NEGATIVE DECLARATION will be prepared.
- I find that the proposed project MAY have a significant effect on the environment, and an ENVIRONMENTAL IMPACT REPORT is required.
- I find that the proposed project MAY have a "potentially significant impact" or "potentially significant unless mitigated" impact on the environment, but at least one effect 1) has been adequately analyzed in an earlier document pursuant to applicable legal standards, and 2) has been addressed by mitigation measures based on the earlier analysis as described on attached sheets. An ENVIRONMENTAL IMPACT REPORT is required, but it must analyze only the effects that remain to be addressed.
- I find that although the proposed project could have a significant effect on the environment, because all potentially significant effects (a) have been analyzed adequately in an earlier EIR or NEGATIVE DECLARATION pursuant to applicable standards, and (b) have been avoided or mitigated pursuant to that earlier EIR or NEGATIVE DECLARATION, including revisions or mitigation measures that are imposed upon the proposed project, nothing further is required.

Yolanda Ortiz 5-5-15  
 Yolanda Ortiz, Date  
 Assistant Superintendent of Business, SMJUHS

## EVALUATION OF ENVIRONMENTAL IMPACTS

- 1) A brief explanation is required for all answers except "No Impact" answers that are adequately supported by the information sources a lead agency cites in the parentheses following each question. A "No Impact" answer is adequately supported if the referenced information sources show that the impact simply does not apply to projects like the one involved (e.g., the project falls outside a fault rupture zone). A "No Impact" answer should be explained where it is based on project-specific factors as well as general standards (e.g., the project will not expose sensitive receptors to pollutants, based on a project-specific screening analysis).
- 2) All answers must take account of the whole action involved, including off-Project Site as well as on-Project Site, cumulative as well as project-level, indirect as well as direct, and construction as well as operational impacts.
- 3) Once the lead agency has determined that a particular physical impact may occur, then the checklist answers must indicate whether the impact is potentially significant, less than significant with mitigation, or less than significant. "Potentially Significant Impact" is appropriate if there is substantial evidence that an effect may be significant. If there are one or more "Potentially Significant Impact" entries when the determination is made, an EIR is required.
- 4) "Negative Declaration: Less Than Significant With Mitigation Incorporated" applies where the incorporation of mitigation measures has reduced an effect from "Potentially Significant Impact" to a "Less Than Significant Impact." The lead agency must describe the mitigation measures, and briefly explain how they reduce the effect to a less than significant level (mitigation measures from Section XVII, "Earlier Analyses," may be cross-referenced).
- 5) Earlier analyses may be used where, pursuant to the tiering, program EIR, or other CEQA process, an effect has been adequately analyzed in an earlier EIR or negative declaration. Section 15063(c)(3)(D). In this case, a brief discussion should identify the following:
  - a) Earlier Analysis Used. Identify and state where they are available for review.
  - b) Impacts Adequately Addressed. Identify which effects from the above checklist were within the scope of and adequately analyzed in an earlier document pursuant to applicable legal standards, and state whether such effects were addressed by mitigation measures based on the earlier analysis.
  - c) Mitigation Measures. For effects that are "Less than Significant with Mitigation Measures Incorporated," describe the mitigation measures which were incorporated or refined from the earlier document and the extent to which they address Project Site-specific conditions for the project.
- 6) Lead agencies are encouraged to incorporate into the checklist references to information sources for potential impacts (e.g., general plans, zoning ordinances). Reference to a previously prepared or outside document should, where appropriate, include a reference to the page or pages where the statement is substantiated.
- 7) Supporting Information Sources: A source list should be attached, and other sources used or individuals contacted should be cited in the discussion.
- 8) This is only a suggested form, and lead agencies are free to use different formats; however, lead agencies should normally address the questions from this checklist



that are relevant to a project's environmental effects in whatever format is selected.

- 9) The explanation of each issue should identify:
- a) the significance criteria or threshold, if any, used to evaluate each question; and
  - b) the mitigation measure identified, if any, to reduce the impact to less than significance.

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### 3 Initial Study Checklist

I. AESTHETICS— Would the project:	Potentially Significant Impact	Less Than Significant with Mitigation Incorporation	Less Than Significant Impact	No Impact
a) Have a substantial adverse effect on a scenic vista?				X
b) Substantially damage scenic resources, including, but not limited to, trees, rock outcroppings, and historic buildings within a state scenic highway?				X
c) Substantially degrade the existing visual character or quality of the Project Site and its surroundings?			X	
d) Create a new source of substantial light or glare which would adversely affect day or nighttime views in the area?			X	

#### *Environmental Setting*

The Site location is shown on **Figures 1 and 3**. The site consists of 25.32 acres of agricultural use property, currently used for production of strawberries. Crop production began in 2006 and prior to that the property was used for cattle grazing. The surrounding land uses include agricultural property to the north; to the east by agricultural property, beyond which is the Greka Oil and Gas Company oil field facility consisting of several oil-gas wells, associated piping and aboveground storage tanks; to the south by the Santa Maria Elks Rodeo facility; and the west by undeveloped/grazing land, beyond which is a polished pet grooming and kennel facility, and Highway 101. The new small school will be used to provide agriculture based curriculum which is consistent with the surrounding uses and current land use.

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

**No Impact.** The Site and surrounding vicinity are used for agriculture and commercial use; the vicinity does not provide a view that would be characterized as a scenic vista.

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 Site is not located near any designated or eligible State Scenic Highways. U.S. Highway 101, which is located to the west and south of the site is not considered a scenic highway. There are no rock outcroppings or historic buildings of significance within the proposed Site boundaries. No trees will be removed for implementation of the project; the Site landscaping would be minimal and generally consistent with what is currently exists on the site.

- c) *Would the project substantially degrade the existing visual character or quality of the Project Site and its surroundings?*

**Less Than Significant Impact.** The site is surrounded by agriculture land use. The project will be consist with the current land use on-site and the surrounding area.

- 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.** It is expected that the new school building will have some associated nighttime lighting for security purposes; however, fixtures will be designed and placed to minimize light or glare (e.g., shielded, directed downward). No lighted athletic facilities are planned as a part of this project.

<b>II. AGRICULTURE AND FOREST RESOURCES— Would the project:</b>	<b>Potentially Significant Impact</b>	<b>Less Than Significant with Mitigation Incorporated</b>	<b>Less Than Significant Impact</b>	<b>No Impact</b>
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?				X
b) Conflict with existing zoning for agricultural use, or a Williamson Act contract?				X
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))?				X
d) Result in the loss of forest land or conversion of forest land to non-forest use?				X
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?				X

### *Environmental Setting*

The project site currently and historically has been used for agricultural purposes. The surrounding properties are either undeveloped or used for agriculture purposes. The site location photos can be found in **Figures 1-3**. The project site is located on land zoned for Commercial use and is surrounded by land zoned for agriculture.

- 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?*

**No Impact.** The Department of Conservation's map for Santa Barbara County Important Farmland 2014 (the most recent year for which data is available) identifies the Site as "Other Land."

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

**No Impact.** The Department of Conservation's map for Santa Barbara County Williamson Act Lands 2014 (the most recent year for which data is available) identifies the Site as "Non-Enrolled Land" not subject to 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))?*

**No Impact.** The Site is not located on or near forest lands or timberland of any kind.

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

**No Impact.** See response to c) above.

- 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 land use on site will remain the same. The program curriculum will be centered around agriculture. Structures will be added to site to house students in classrooms.



<b>III. AIR QUALITY— Would the project:</b>	<b>Potentially Significant Impact</b>	<b>Less Than Significant with Mitigation Incorporation</b>	<b>Less Than Significant Impact</b>	<b>No Impact</b>
a) Conflict with or obstruct implementation of the applicable air quality plan?			X	
b) Violate any air quality standard or contribute substantially to an existing or projected air quality violation?			X	
c) Result in a cumulatively considerable net increase of any criteria pollutant for which the project region is non-attainment under an applicable federal or state ambient air quality standard (including releasing emissions which exceed quantitative thresholds for ozone precursors)?			X	
d) Expose sensitive receptors to substantial pollutant concentrations?			X	
e) Create objectionable odors affecting a substantial number of people?			X	

### *Environmental Setting*

The current use of the property is row crops and proposed project is the construction of a small satellite high school facility focusing on agricultural technology. Land uses in the vicinity generally consist of agriculture. The Santa Barbara County Air Pollution Control District's (SBCAPCD) Clean Air Plan represents the blueprint for air quality improvement in Santa Barbara County. The Clean Air Plan sets a maximum threshold of 25 pounds per day for two stated pollutants of concern: ROG (reactive organic gas) and NOx (Nitrogen Oxide). An air quality report prepared for the project, which used the CalEEMod Emissions Model Version 2013.2 indicated 3.8 pounds of ROG and 1.2 pounds per day of NOx would be generated. The area source and operational emissions would not exceed the District's recommended thresholds for ROG or NOx. Standard

APCD dust and construction emission conditions are applied to all development permits to mitigate any construction related impacts.

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

**Less Than Significant Impact.** The project does not conflict with or provide an obstruction the region's adopted air quality plans.

b) *Would the project violate any air quality standard or contribute substantially to an existing or projected air quality violation?*

**Less Than Significant Impact.** Project construction activities would create short-term increases in emissions of particulate matter (PM<sub>10</sub>) and ozone precursors (NO<sub>x</sub>); however, the limited nature of ground disturbance indicates any air quality impact would be less than significant. As discussed above, the project does not exceed the SBCAPCD's screening criteria for high school facilities; therefore, no significant impacts to air quality are expected.

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

**Less Than Significant Impact.** Refer to b) above.

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

**Less Than Significant Impact.** The California Air Resources Board's Air Quality and Land Use Handbook: A Community Health Perspective (April 2005) recommends against siting sensitive land uses near substantial sources of toxic air contaminants including distribution centers, rail yards, ports, refineries, chrome plating facilities, dry cleaning, and large gas dispensing facilities. There are not any known aforementioned pollutant generating facilities in the project vicinity nor will the proposed project be implementing any of these pollutant generating facilities. Therefore, onsite stationary emissions from the proposed project would not expose sensitive receptors to substantial pollutant concentrations; impacts would be less than significant.

e) *Would the project create objectionable odors affecting a substantial number of people?*

**Less Than Significant Impact.** Based on Table 3 of the CEQA Handbook, if the project is located within one mile of a wastewater treatment plant, sanitary landfill, composting station, feedlot, asphalt batchplant or rendering plant, odor impacts may be significant. The project site is not located within one mile of any of the odor generating land uses described above; therefore, the project will not subject a substantial amount of people to objectionable odors.

<b>IV. BIOLOGICAL RESOURCES— Would the project:</b>	<b>Potentially Significant Impact</b>	<b>Less Than Significant with Mitigation Incorporation</b>	<b>Less Than Significant Impact</b>	<b>No Impact</b>
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?				X
b) Have a substantial adverse effect on any riparian habitat or other sensitive natural community identified in local or regional plans, policies, regulations or by the California Department of Fish and Game or US Fish and Wildlife Service?				X
c) Have a substantial adverse effect on federally protected wetlands as defined by Section 404 of the Clean Water Act (including, but not limited to, marsh, vernal pool, coastal, etc.) through direct removal, filling, hydrological interruption, or other means?				X
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 Project Sites?				X

IV. BIOLOGICAL RESOURCES— Would the project:	Potentially Significant Impact	Less Than Significant with Mitigation Incorporation	Less Than Significant Impact	No Impact
e) Conflict with any local policies or ordinances protecting biological resources, such as a tree preservation policy or ordinance?				X
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?				X

*Environmental Setting*

Although the California Natural Diversity Database identifies numerous special status species potentially occurring in the Site vicinity (Santa Maria Quadrangle), the longstanding agriculture use of the Project Site and vicinity indicates sensitive species have no likelihood of occurrence based on a lack of suitable habitat. No wetland features or migratory corridors are observed near the Site.

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

**No Impact.** The project will be located on land that is currently farmed and doesn't provide an adequate habitat for special status species due to the disturbed nature of the site.

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

**No Impact.** There is no identified riparian habitat or significant natural communities within the project area; no wetlands or waters of the U.S. were observed within the Site or in the vicinity.

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

**No Impact.** There are no federally protected wetlands identified or observed within the Site.

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 Project Sites?*

**No Impact.** The Site does not support a wildlife corridor or wildlife nursery site.

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

**No Impact.** The project does not conflict with any local policies or ordinances protecting biological resources.

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 will not conflict with any Conservation Plan of local, regional or state jurisdiction.

V. CULTURAL RESOURCES— Would the project:	Potentially Significant Impact	Less Than Significant with Mitigation Incorporation	Less Than Significant Impact	No Impact
a) Cause a substantial adverse change in the significance of a historical resource as defined in 15064.5?				X
b) Cause a substantial adverse change in the significance of an archaeological resource pursuant to 15064.5?		X		
c) Directly or indirectly destroy a unique paleontological resource or Project Site or unique geologic feature?				X
d) Disturb any human remains, including those interred outside of formal cemeteries?			X	

*Environmental Setting*

According to the City of Santa Maria General Plan, the Santa Maria Valley is not considered to be a major archaeological or paleontological resource area. No Native American cultural resources are expected to exist within school grounds, a sacred lands

file search request through the Native American Heritage Commission (NAHC) indicated no presence of cultural resources in the immediate project area.

- a) *Would the project cause a substantial adverse change in the significance of a historical resource as defined in 15064.5?*

**No Impact.** No historical resources are designated on the Site.

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

**Less Than Significant with Mitigation Incorporation.** Although no resources are identified within the Site, unidentified archaeological resources could be uncovered during construction.

Mitigation Measure

Implementation of the following mitigation measure will ensure that the impact to archaeological resources remains less than significant.

**MM-1 The District and/or their agents, representatives or contractors shall stop or redirect work immediately in the event archaeological remains are encountered during grading, construction, landscaping or other construction-related activity. The District shall retain a Santa Barbara County-approved archaeologist and Native American representative to evaluate the significance of the find in compliance with the provisions of Phase 2 investigations of the Santa Barbara County Archeological Guidelines and funded by the District. If remains are found to be significant, they shall be subject to Phase 3 mitigation program consistent with Santa Barbara County Archaeological Guidelines and funded by the District.**

**PLAN REQUIREMENTS:** This condition shall be printed on all building and grading plans

**MONITORING:** The Division of the State Architect shall check plans for inclusion of this measure prior to any ground disturbance or construction, and the State's on-site representative shall spot check in the field throughout grading and construction.

- c) *Would the project directly or indirectly destroy a unique paleontological resource or Project Site or unique geologic feature?*

**No Impact.** There are no paleontological resources or unique geologic features identified or observed within the Site.

- d) *Would the project disturb any human remains, including those interred outside of formal cemeteries?*

**Less Than Significant Impact.** The Site has not been identified as a burial location for human remains; however, should human remains be unexpectedly encountered, SMJUHS D will follow the requirements of California *Health and Safety Code* and *Public Resources Code*, as applicable. If human remains were determined to be Native American in origin, SMJUHS D would contact the NAHC to determine the most likely descendants.

<b>VI. GEOLOGY AND SOILS— Would the project:</b>	<b>Potentially Significant Impact</b>	<b>Less Than Significant with Mitigation Incorporation</b>	<b>Less Than Significant Impact</b>	<b>No Impact</b>
<b>a) Expose people or structures to potential substantial adverse effects, including the risk of loss, injury, or death involving:</b>				
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.				X
ii) Strong seismic ground shaking?			X	
iii) Seismic-related ground failure, including liquefaction?			X	
iv) Landslides?				X
b) Result in substantial soil erosion or the loss of topsoil?			X	
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-Project Site landslide, lateral spreading, subsidence, liquefaction or collapse?			X	
d) Be located on expansive soil, as defined in Table 18-1-B of the Uniform Building Code (1994), creating substantial risks to life or property?				X

VI. GEOLOGY AND SOILS— Would the project:	Potentially Significant Impact	Less Than Significant with Mitigation Incorporation	Less Than Significant Impact	No Impact
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 waste water?				X

*Environmental Setting*

The Site is located within the Santa Maria Geologic Basin in the southern portion of the Coast Range Geomorphic Province. According to the California Geologic Survey Division of Mines and Geology the Project Site is underlain by Quaternary Dune Sand. The United States Department of Agriculture USDA Soil Survey identifies native soil type at the Project Site as Oceano Sand, 2 to 15 percent slopes. This excessively drained sandy soil formed in old coastal sand dunes, the soil is gently sloping to strongly sloping. Groundwater flows due west to west-northwest with large gradient at the origin of the Santa Maria River. Groundwater elevation is anticipated to be greater than 50-feet.

The project site is not located within an identified Alquist-Priolo Earthquake Fault Zoning Act, no known active faults traverse or trend towards the Project Site. The nearest active fault is the San Andreas Fault which is approximately 40 miles northeast of the Site. Two faults are located within 5 miles of the site, Casmalia Fault (3 miles) and Santa Maria River Fault (5 miles).

The nearest Mesozoic ultrabasic intrusive rock outcrops is located 9.2 miles southwest of the site. These outcrops are not located within the drainage pattern of the Site.

- a) *Would the project expose people or structures to potential substantial adverse effects, including the risk of loss, injury, or death involving:*
  - i) *Rupture of a known earthquake fault, as delineated on the most recent Alquist-Priolo Earthquake Fault Zoning Map issued by the State Geologist for the area or based on other substantial evidence of a known fault?*  
**Less Than Significant Impact.** No known active or potentially active faults traverse the Site. Due to the presence of faults within in the area there is a potential seismic hazard at the Project Site, therefore, a site specific Geotechnical Study will be completed by a selected architect.
  - ii) *Strong seismic ground shaking?*  
**Less Than Significant Impact.** The Site is not located in fault zone but active faults are located within the area. A Geotechnical Study will be completed by a selected architect.
  - iii) *Seismic-related ground failure, including liquefaction?*  
**Less Than Significant Impact.** The depth to groundwater (>50 feet) indicates the potential for liquefaction at the Site is very low.



iv) *Landslides?*

**No Impact.** The project area is has an average slope gradient of approximately 80 feet per mile running south to north and an average slope of 100 feet per mile running east to west. Therefore the potential for land sliding or the failure of natural slopes to affect the site is low.

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

**Less Than Significant Impact.** Some grading or site clearance will occur as part of the construction project. It is expected that Best Management Practices (BMPs) typically applied to grading activities will be specified by the contractor in order to minimize erosion during construction.

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-Project Site landslide, lateral spreading, subsidence, liquefaction or collapse?*

**Less Than Significant Impact.** As discussed above, the potential for landslide or liquefaction events on the Site is considered unlikely. Liquefaction potential on site is considered low due to the ground water depths being greater than 50 feet below ground surface. The potential for subsidence exists; a site-specific geotechnical study will address the possibility. All geotechnical recommendations would be followed for site work and construction.

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

**No Impact.** The surface soils at the Site generally consist of excessively drained sandy soil formed in old coastal sand dunes. The potential for expansive soils at the site is considered low.

e) *Would the project 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 waste water?*

**No Impact.** The project would connect to County infrastructure and a retention basin will be used on the southern portion of the site.

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

*Environmental Setting*

The most common greenhouse gases are carbon dioxide (CO<sub>2</sub>), methane (CH<sub>4</sub>), nitrous oxide (N<sub>2</sub>O), hydrofluorocarbons (HFC), perfluorocarbons (PFC) and sulfur hexafluoride (SF<sub>6</sub>). Of these, fossil fuel combustion is by far the dominant source of CO<sub>2</sub>; greenhouse gas emissions of all types are commonly analyzed in terms of equivalent emissions of carbon dioxide (CO<sub>2E</sub>).

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

Construction Emissions

The project would result in short-term emissions of greenhouse gases during construction. These emissions, primarily CO<sub>2</sub>, CH<sub>4</sub> and N<sub>2</sub>O are the result of fuel combustion by construction equipment and motor vehicles. Table 2 lists the estimated greenhouse gas emissions associated with construction of the project. Because the phasing schedule is unknown, the model assumes that the project would be constructed at one time. While this is unlikely to occur, it represents “worst case” assumption that is consistent with CEQA. Construction impacts are amortized over a 30 year period to spread the one time unmitigated GHG impacts over the assumed 30-year life of the project.

Operational Emissions

At full buildout, the project would result in direct annual emissions of greenhouse gases during project operation. These emissions, primarily CO<sub>2</sub>, CH<sub>4</sub> and N<sub>2</sub>O are the result of fuel combustion from building heating systems and motor vehicles. Direct emissions of CO<sub>2</sub> emitted from operation of the project are primarily due to natural gas consumption and mobile source emissions (e.g., motor vehicles). The project would also result in indirect greenhouse emissions due to the electricity demands of the project. In addition to the electrical demand,

the project would also result in indirect greenhouse emissions due to water and wastewater treatment needs and solid waste handling.

Determining Significance

Neither the City of Santa Maria nor the Santa Barbara County Air Pollution Control District (SBCAPCD) has developed or adopted permanent Greenhouse Gas (GHG) significance thresholds. The County of Santa Barbara has developed an interim approach to the establishment of GHG significance thresholds. The County's interim approach is used for guidance on determining the significance of GHG emissions for this project. The County's GHG significance determination guidelines are shown below .

Table 1. County of Santa Barbara GHG Significance Determination Guidelines

<i>GHG Emission Source Category</i>	<i>Operational Emissions</i>
Non-Stationary Sources	1,100 MT of CO <sub>2</sub> E/year
Stationary Sources	10,000 MT/year

Table 2. Comparison of Emissions

<i>Emitting Entity</i>	<i>Emissions (MTCO<sub>2</sub>E/year)</i>
Construction	15
Operational Emissions	251
<b>TOTAL</b>	<b>266</b>

Table 2 totals the estimated greenhouse gas emissions of the project for the next 30 years.

As shown in Table 2 the project would result in approximately 24% of the 1,100 MTCO<sub>2</sub>E draft threshold. Based on the above analysis the projects greenhouse gas emissions would be less than significant.

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

**Less Than Significant Impact.**

To date, the County of Santa Barbara APCD has not adopted a plan or regulations regarding greenhouse gas emissions. Also the City of Santa Maria has not adopted any plans or policies in regards to greenhouse gas emissions. Therefore, the proposed project does not conflict with an applicable plan, policy or regulation adopted for the purpose of reducing the emissions of greenhouse gases.

VIII. HAZARDS AND HAZARDOUS MATERIALS— 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?				X
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?				X
c) Emit hazardous emissions or handle hazardous or acutely hazardous materials, substances, or waste within one-quarter mile of an existing or proposed school?			X	
d) Be located on a Project Site which is included on a list of hazardous materials Project 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?			X	
e) For a project located within an airport land use plan or, where such a plan has not been adopted, within two miles of a public airport or public use airport, would the project result in a safety hazard for people residing or working in the project area?			X	

VIII. HAZARDS AND HAZARDOUS MATERIALS— Would the project:	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact
f) For a project within the vicinity of a private airstrip, would the project result in a safety hazard for people residing or working in the project area?				X
g) Impair implementation of or physically interfere with an adopted emergency response plan or emergency evacuation plan?				X
h) Expose people or structures to a significant risk of loss, injury or death involving wildland fires, including where wildlands are adjacent to urbanized areas or where residences are intermixed with wildlands?				X
i) Be located within 1,500 feet of a high-pressure pipeline that can pose a safety hazard?			X	

*Environmental Setting*

A Preliminary Environmental Assessment (PEA) investigation of the Site was performed by Padre Associates, Inc. under the oversight of Department of Toxic Substances Control (DTSC). A PEA was required due to the historical and current agriculture land use and a former oil-gas well. Soil, soil gas, and groundwater sampling was conducted on November 11 and 12, 2014, on site in accordance with the DTSC approved PEA workplan. Surface soil samples were performed to detect Organochlorine Pesticides (OCPs), Arsenic, TPH, VOCs, SVOCs, PCBs, CAM 17 Metals. A soil gas survey was conducted for Methane, Hydrogen Sulfide, volatile organic compounds (VOCs), Fixed Gases (Oxygen, Nitrogen, and Carbon Dioxide). A well sump assessment was performed; samples were chemically analyzed for TPH, metals, polychlorinated biphenyls (PCBs), VOCs, SVOCs and Carbon Dioxide. Groundwater samples were collected from the well head on site and analyzed for TPH, VOCs, OCPs, Nitrogen, Nitrates + Nitrites and CAM 17 metals.

A human health screening-level evaluation was completed on site for chemicals of potential concern (COPC) including DDE, DDT, Dieldrin, and VOCs.

The results of the PEA screening level risk assessment indicate that soil impacted by the chlorinated pesticides DDE, DDT, Dieldrin, and OCPs does not present a significant health hazard. Arsenic concentrations range from 0.85 to 2.2 mg/kg in surface samples; these concentrations do not present a significant health risk. Lead concentrations ranged from less than 1.2 to 3.2 mg/kg in surface samples which is below the 80 mg/kg DTSC School Site Risk Management Screening Level. Soil gas sampling results identified an increased cancer risk on site at an estimated  $1.7 \times 10^{-7}$  which does not provide an excess cancer risk according to DTSC screening levels. Groundwater samples did not indicate a presence of COPCs; further assessment on groundwater at the site is unwarranted. The PEA determined that the project site has not been impacted by previous and current agricultural practices including the presence of a former oil well and drilling sump. On March 18, 2015, the DTSC concurred with the findings of the PEA and determined the site needed "No Further Action" to identify any potential threats (**Appendix I**).

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

**No Impact.** The project site will not have routine transport, use, or disposal of hazardous materials. The site will operate as a high school Career and Technical Education campus.

- 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?*

**No Impact.** The project will not create a hazard due to release of hazardous materials into the environment. The operation of the site will be a satellite high school campus.

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

**Less Than Significant Impact.** The project itself will not emit hazardous air emissions or handle hazardous materials, substances or waste. The Santa Barbara County Air Pollution Control District was consulted by Padre Associates, Inc.; no information on air emitters within one-quarter mile of the Site was provided (see **Section 3. III. (d)**). A visual reconnaissance conducted by Padre did not reveal any hazardous air emitters expected to impact the Site.

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

**Less Than Significant Impact.** According to Padre's *Phase I Environmental Site Assessment* (May 2014), the Site is not on any of the above-cited hazardous materials lists; no hazardous waste properties are located within 2,000 feet. A preliminary environmental assessment was completed on site with no significant findings on hazardous materials.

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

**Less Than Significant Impact.** The Site is located within two nautical miles of the Santa Maria Public Airport. An aeronautics review was requested through the California Department of Transportation, Division of Aeronautics which determined that the site is located outside Safety Zone 6 where schools are not restricted.

**Appendix E.**

- f) *For a project within the vicinity of a private airstrip, would the project result in a safety hazard for people residing or working in the project area?*

**No Impact.** No private air strips are observed in the vicinity.

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

**No Impact.** The project would not adversely affect an adopted emergency response plan or emergency evacuation plan.

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

**No Impact.** The Site is not located in or near wildlands.

- i) *Would the project be located within 1,500 feet of a high-pressure pipeline that can pose a safety hazard?*

**Less Than Significant Impact.** The Phase I report identified a 6-inch diameter natural gas pipeline associated with the Greka Oil and Gas Company located 1,350 feet north of the Site operating at 10-20 psig. Additionally there are two 4-inch diameter pipelines located along Founders Avenue. One is designed to transport natural gas and the other designed for heavy crude oil, neither of these are in use.

IX. HYDROLOGY AND WATER QUALITY— Would the project:	Potentially Significant Impact	Less Than Significant with Mitigation Incorporation	Less Than Significant Impact	No Impact
a) Violate any water quality standards or waste discharge requirements?				X
b) Substantially deplete groundwater supplies or interfere substantially with groundwater recharge such that there would be a net deficit in aquifer volume or a lowering of the local groundwater table level (e.g., the production rate of pre-existing nearby wells would drop to a level which would not support existing land uses or planned uses for which permits have been granted)?			X	
c) Substantially alter the existing drainage pattern of the Project Site or area, including through the alteration of the course of a stream or river, in a manner which would result in substantial erosion or siltation on- or off-Project Site?			X	
d) Substantially alter the existing drainage pattern of the Project Site or area, including through the alteration of the course of a stream or river, or substantially increase the rate or amount of surface runoff in a manner which would result in flooding on- or off-Project Site?			X	



IX. HYDROLOGY AND WATER QUALITY— Would the project:	Potentially Significant Impact	Less Than Significant with Mitigation Incorporation	Less Than Significant Impact	No Impact
e) Create or contribute runoff water which would exceed the capacity of existing or planned stormwater drainage systems or provide substantial additional sources of polluted runoff?			X	
f) Otherwise substantially degrade water quality?				X
g) Place housing within a 100-year flood hazard area as mapped on a federal Flood Hazard Boundary or Flood Insurance Rate Map or other flood hazard delineation map?				X
h) Place within a 100-year flood hazard area structures which would impede or redirect flood flows?				X
i) Expose people or structures to a significant risk of loss, injury or death involving flooding, including flooding as a result of the failure of a levee or dam?			X	
j) Inundation by seiche, tsunami, or mudflow?				X

### *Environmental Setting*

The site is located within the Central Coast Regional Water Quality Control Board jurisdiction. The project site is undulating in nature with storm water runoff generally directed toward a drainage basin located in the southwest corner of the project site. The elevation of the Site is about 450 feet above mean sea level (msl). There is no surface water bodies located in close proximity to the Site. The Site is within the dam inundation area for Twitchell Reservoir on the Cuyama River, approximately 8.15 miles northeast of the Site. Groundwater at the Site is inferred to exist at a depth greater than 50 feet below

ground surface (bgs). A water retention basin will be constructed on site for water/wastewater collection on site, it will be connected to the county sewer via the future church site.

- a) *Would the project violate any water quality standards or waste discharge requirements?*

**No Impact.** The project would be subject to the requirements of the *Clean Water Act*, including the National Pollutant Discharge Elimination System permit. Best Management Practices (BMPs) will be employed to minimize water quality impacts during the construction of the project; it is not expected that the continued operation of the Site as a school would impact water quality. Implementation of a Stormwater Pollution Prevention Plan would also serve to ensure water quality standards and waste discharge requirements are not violated.

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

**Less Than Significant Impact.** Groundwater will be used to water the crop onsite. This is consistent with current practices on-site. The amount water use planned should not impact the groundwater recharge significantly.

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

**Less Than Significant Impact.** Drainage for the Site will be designed by a qualified engineer; the implementation of BMPs during the construction phase of the project will reduce for the potential for substantial erosion or siltation on- or off-site. Stormwater/Runoff is currently directed to a 2.5 acre retention basin located on the southwest portion of the site.

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

**Less Than Significant Impact.** As discussed above, the drainage design and implementation of BMPs will reduce the potential for flooding on- or off-site.

- e) *Would the project create or contribute runoff water which would exceed the capacity of existing or planned stormwater drainage systems or provide substantial additional sources of polluted runoff?*

**Less Than Significant Impact.** Water will be collected on-site in the retention basin and further connected to future county infrastructure. Runoff will not exceed the capacity of drainage systems or create additional sources of polluted runoff.

- f) *Would the project otherwise substantially degrade water quality?*

**No Impact.** The project is not expected to substantially degrade water quality. Land use will be consistent with current uses with addition of classrooms to the property.

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

**No Impact.** The project does not include housing as one of its components and is not located within the 100-year or 500-year flood plan.

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

**No Impact.** The Site is located outside the 100-year flood zone. The Flood Insurance Rate Map from the Federal Emergency Management Agency locates the Site and surrounding vicinity in Zone X.

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

**Less Than Significant Impact.** Twitchell Dam is located 8.15 miles northeast of the project site. The project site would not be impacted by flood waters from the dam failure.

j) *Would the project expose people or structures to a significant risk of loss, injury or death involving Inundation by seiche, tsunami, or mudflow?*

**No Impact.** Given the location of the Site 11.5 miles away from the ocean and 8.15 miles from Twitchell Dam, the potential for impact from a seiche, tsunami or mudflow is considered very low. The site is not included on any Department of Conservation Tsunami Inundation Map.

X. LAND USE AND PLANNING— Would the project:	Potentially Significant Impact	Less Than Significant with Mitigation Incorporation	Less Than Significant Impact	No Impact
a) Physically divide an established community?				X
b) Conflict with any applicable land use plan, policy, or regulation of an agency with jurisdiction over the project (including, but not limited to the general plan, specific plan, local coastal program, or zoning ordinance) adopted for the purpose of avoiding or mitigating an environmental effect?			X	

X. LAND USE AND PLANNING— Would the project:	Potentially Significant Impact	Less Than Significant with Mitigation Incorporation	Less Than Significant Impact	No Impact
c) Conflict with any applicable habitat conservation plan or natural community conservation plan?				X

*Environmental Setting*

The proposed project site is located within Santa Barbara County. The Project Site and immediate land surrounding is zoned for commercial uses. Outside of the commercial use surrounding the site is agriculture land use. There is not any established community in the proximity of the project site. The SMJUHSD Board of Education notified the County of Santa Barbara of the proposed school site land acquisition on May 16, 2014, and the District intends to exempt themselves from any zoning ordinance per *Government Code 53094*.

a) *Would the project physically divide an established community?*

**No Impact.** The project would not physically divide an established community. The project is located on a parcel of land surrounded by agricultural uses and undeveloped land.

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

**Less Than Significant Impact.** According to the Santa Barbara County Zoning map the Project Site is zoned for Commercial Use. California Government Code Section 53094 does not require a school district to comply with the zoning ordinances of a county.

c) *Would the project conflict with any applicable habitat conservation plan or natural community conservation plan?*

**No Impact.** The City of Santa Maria General Plan does not identify any applicable habitat conservation plans. The location of the site has been historically used for agriculture purposes and will continue to be used in that manner.

<b>XI. MINERAL RESOURCES— Would the project:</b>	<b>Potentially Significant Impact</b>	<b>Less Than Significant with Mitigation Incorporation</b>	<b>Less Than Significant Impact</b>	<b>No Impact</b>
a) Result in the loss of availability of a known mineral resource that would be of value to the region and the residents of the state?				X
b) Result in the loss of availability of a locally-important mineral resource recovery Project Site delineated on a local general plan, specific plan or other land use plan?				X

*Environmental Setting*

According to the County of Santa Barbara's Conservation Element of the Santa Barbara County Comprehensive Plan three major classes of mineral resources have been found in the County, including Petroleum and Natural Gas, Mercury, and non-metallic resources. According to the California Division of Oil, Gas, and Geothermal Resources there is a plugged and abandoned former oil-gas well located on the Project Site. History of the well indicates that oil was produced for only four months in 1978. There are multiple oil-gas wells located north, northeast, and east of the Project Site with the closest being 1,100 feet northeast of the site.

- 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?*

**No Impact.** The project will not impact the availability of a known mineral resource. The oil-gas well located on site has been plugged since 2001.

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

**No Impact.** See above response (a).

<b>XII. NOISE— Would the project result in:</b>	<b>Potentially Significant Impact</b>	<b>Less Than Significant with Mitigation Incorporation</b>	<b>Less Than Significant Impact</b>	<b>No Impact</b>
a) Exposure of persons to or generation of noise levels in excess of standards established in the local general plan or noise ordinance, or applicable standards of other agencies?		X		
b) Exposure of persons to or generation of excessive groundborne vibration or groundborne noise levels?			X	
c) A substantial permanent increase in ambient noise levels in the project vicinity above levels existing without the project?			X	
d) A substantial temporary or periodic increase in ambient noise levels in the project vicinity above levels existing without the project?		X		
e) For a project located within an airport land use plan or, where such a plan has not been adopted, within two miles of a public airport or public use airport, would the project expose people residing or working in the project area to excessive noise levels?			X	
f) For a project within the vicinity of a private airstrip, would the project expose people residing or working in the project area to excessive noise levels?				X

*Environmental Setting*

Existing noise sources at the property include noise from daily farming operations and traffic from Highway 101. The primary noise source associated with the project is construction activities. SMJUHSD students are considered sensitive receptors for the purpose of assessing noise impacts during the construction phase of the project and operation of the school site. The surrounding properties are used for agriculture purposes or are undeveloped thus do not contain sensitive receptors.

- a) *Would the project result in exposure of persons to or generation of noise levels in excess of standards established in the local general plan or noise ordinance, or applicable standards of other agencies?*

**Less Than Significant with Mitigation Incorporation.** Although school operational activities will increase noise levels at the site it is not expected to increase significantly, the construction of the project may result in a temporary increase in noise levels in the project vicinity.

Mitigation Measure

Implementation of the following mitigation measure will ensure that construction-related noise impacts remain less than significant.

**MM-2: The contractor shall employ appropriate noise suppression attachments (e.g., mufflers, sound-dampening blankets etc.) on all equipment. Equipment idling shall be kept to a minimum and equipment turned off when not in use.**

- b) *Would the project result in exposure of persons to or generation of excessive groundborne vibration or groundborne noise levels?*

**Less Than Significant Impact.** During the construction of the project, the Site and immediate vicinity could be subject to groundborne vibration (e.g., from the movement of large pieces of equipment and loaded trucks); however, these impacts would be temporary and therefore less than significant.

- c) *Would the project result in a substantial permanent increase in ambient noise levels in the project vicinity above levels existing without the project?*

**Less Than Significant Impact.** The project will not result in substantial increases, there will be increases but given the current use of the land as actively farmed land it will not be a significant impact to the project vicinity.

- d) *Would the project result in a substantial temporary or periodic increase in ambient noise levels in the project vicinity above levels existing without the project?*

**Less Than Significant with Mitigation Incorporation.** As discussed above, the construction phase of the project would result in temporary increases in ambient noise levels. Construction hours and the implementation of **MM-2** would ensure that construction-related noise impacts remain less than significant.

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

**Less Than Significant Impact.** The Site is located 1.62 nautical miles southeast of the Santa Maria Public Airport District. An aeronautics review was completed through

the California Department of Transportation (**Appendix E**) and cleared as an appropriate School Site.

- f) *For a project within the vicinity of a private airstrip, would the project expose people residing or working in the project area to excessive noise levels?*

**No Impact.** No private airstrips are identified in the Site vicinity.

<b>XIII. POPULATION AND HOUSING— Would the project:</b>	<b>Potentially Significant Impact</b>	<b>Less Than Significant with Mitigation Incorporation</b>	<b>Less Than Significant Impact</b>	<b>No Impact</b>
a) Induce substantial population growth in an area, either directly (for example, by proposing new homes and businesses) or indirectly (for example, through extension of roads or other infrastructure)?				X
b) Displace substantial numbers of existing housing, necessitating the construction of replacement housing elsewhere?				X
c) Displace substantial numbers of people, necessitating the construction of replacement housing elsewhere?				X

*Environmental Setting*

The Project Site will not be growth inducing nor is it in response to growth. The Ag Ed and Career Technical Center will provide students an opportunity to apply concepts learned in the classroom to real life situations. The project will not have an impact on population or housing.

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

**No Impact.** The proposed project is intended to serve SMJUHSD current students by offering additional education programs. The project will not be growth inducing.

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



**No Impact.** The Site does not contain any dwellings.

c) *Would the project displace substantial numbers of people, necessitating the construction of replacement housing elsewhere?*

**No Impact.** See response to b) above.

XIV. PUBLIC SERVICES—	Potentially Significant Impact	Less Than Significant with Mitigation Incorporation	Less Than Significant Impact	No Impact
a) Would the project result in substantial adverse physical impacts associated with the provision of new or physically altered governmental facilities, need for new or physically altered governmental facilities, the construction of which could cause significant environmental impacts, in order to maintain acceptable service ratios, response times or other performance objectives for any of the public services:				
Fire protection?			X	
Police protection?			X	
Schools?			X	
Parks?				X
Other public facilities?				X

*Environmental Setting*

The construction of the new school site will not require any changes in the public services provided to the project site or surrounding properties.

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

**Fire Protection – Less Than Significant Impact.** The project would not induce growth in the area; therefore, there would be no need for additional governmental facilities to provide fire protection. The local Fire Protection agency will be notified of the new construction.

**Police Protection – Less Than Significant Impact.** The project would not induce growth in the area; therefore, there would be no need for additional governmental facilities to provide police protection.

**Schools – Less Than Significant Impact.** The construction of the new school site could have adverse environmental impacts; however, the mitigation measures identified in this MND will ensure the project results in less than significant environmental impacts.

**Parks – No Impact.** Additional demand for park facilities is not associated with the school construction.

**Other Public Facilities – No Impact.** The project is not expected to increase demand for other public facilities.

XV. RECREATION—	Potentially Significant Impact	Less Than Significant with Mitigation Incorporation	Less Than Significant Impact	No Impact
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?				X
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?				X

*Environmental Setting*

The site is surrounded by land designated for agriculture use. The operation of school will not be that of a typical educational facility. Students will return to their home campuses for physical education classes or extracurricular activities. Students will be bussed to and from the CTE site.

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?*

**No Impact.** The project will not have any impact on neighborhood or regional parks and recreational facilities.

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.** No playfields or other recreational facilities are included in the project nor are they required. The site will be used for career and technical education facility; physical education curriculum will take place on the student’s home campus.

<b>XVI. TRANSPORTATION/ TRAFFIC— Would the project:</b>	<b>Potentially Significant Impact</b>	<b>Less Than Significant with Mitigation Incorporation</b>	<b>Less Than Significant Impact</b>	<b>No Impact</b>
a) Cause an increase in traffic which is substantial in relation to the existing traffic load and capacity of the street system (i.e., result in a substantial increase in either the number of vehicle trips, the volume to capacity ratio on roads, or congestion at intersections)?			X	
b) Exceed, either individually or cumulatively, a level of service standard established by the county congestion management agency for designated roads or highways?				X
c) Result in a change in air traffic patterns, including either an increase in traffic levels or a change in location that results in substantial safety risks?				X
d) Substantially increase hazards due to a design feature (e.g., sharp curves or dangerous intersections) or incompatible uses (e.g., farm equipment)?				X
e) Result in inadequate emergency access?				X
f) Result in inadequate parking capacity?				X

<b>XVI. TRANSPORTATION/ TRAFFIC— Would the project:</b>	<b>Potentially Significant Impact</b>	<b>Less Than Significant with Mitigation Incorporation</b>	<b>Less Than Significant Impact</b>	<b>No Impact</b>
g) Conflict with adopted policies, plans, or programs supporting alternative transportation (e.g., bus turnouts, bicycle racks)?				X
h) Be located within 500 feet of the edge of the closest traffic lane of a freeway or other busy traffic corridor (as defined in Senate Bill 352, Chapter 668, Statutes of 2003)?				X
i) Be located within 1,500 feet of a railroad easement?				X

### *Environmental Setting*

A Traffic Impact Analysis was completed in March 2015 by Associated Transportation Engineers (**Appendix H**). The scope of work for the analysis was developed based on input from Santa Barbara County transportation division and Caltrans impact thresholds. Students will be bussed to the campus from their home high school campuses within the City of Santa Maria, no personal vehicles will be used by students. The projected 9 staff members will use personal vehicles to access the site.

Due to site access via U.S. 101/Santa Maria Interchange the analysis included potential impacts to U.S. 101. Santa Barbara County Level of Service (LOS) range from A-F, A being very good operations and F being poor operations. Caltrans minimum traffic operations standard is LOS C. Project trip generation estimates were determined by proposed operations of the schools and number of daily attendance. The project is forecasted to generate 50 daily trips with 2 occurring during the A.M. peak hour and 2 during the P.M. peak hour. LOS were calculated for the study area intersection assuming the existing + project volumes, due to the minor amount of peak hour traffic generated by the project there is not a significant impact on operations at the U.S. 101/Santa Maria Way interchange based on Caltrans and County criteria. In addition, no cumulative impacts will be caused by the project.

- a) *Would the project cause an increase in traffic which is substantial in relation to the existing traffic load and capacity of the street system (i.e., result in a substantial increase in either the number of vehicle trips, the volume to capacity ratio on roads, or congestion at intersections)?*

**Less Than Significant Impact.** The project will not significantly impact the capacity of the street system. The project will have a minor increase in vehicle trips per day, expected to be 50 trips generated by the project.

- b) *Would the project exceed, either individually or cumulatively, a level of service standard established by the county congestion management agency for designated roads or highways?*

**No Impact.** The project will not result in a change of the existing level of service standard for both Santa Barbara County and Caltrans.

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

**No Impact.** The project will not have any impact on air traffic patterns.

- d) *Would the project substantially increase hazards due to a design feature (e.g., sharp curves or dangerous intersections) or incompatible uses (e.g., farm equipment)?*

**Less Than Significant Impact.** The site access will be designed to provide safe routes to the school site. The District is currently working with the County Transportation Division, Caltrans and the CDE for safe site access, specifically on S. Santa Maria Way. If any necessary mitigations are identified the District will include in the Final MND.

- e) *Would the project result in inadequate emergency access?*

**No Impact.** The project is designed to ensure adequate emergency access to all school facilities; the Fire Marshal will give formal approval to the Fire/Life/Safety Plan for the project at the time of Division of the State Architect Back Check.

- f) *Would the project result in inadequate parking capacity?*

**No Impact.** The Site will have an adequate amount of parking.

- g) *Would the project conflict with adopted policies, plans, or programs supporting alternative transportation (e.g., bus turnouts, bicycle racks)?*

**No Impact.** The site will not conflict with any adopted policies. The students attending the site will be bussed to the campus. Only teachers will use personal vehicles.

- h) *Would the project be located within 500 feet of the edge of the closest traffic lane of a freeway or other busy traffic corridor (as defined in Senate Bill 352, Chapter 668, Statutes of 2003)?*

**No Impact.** U.S. Highway 101 is located approximately 980 feet southwest of the Project Site.

- i) *Would the project be located within 1,500 feet of a railroad easement?*

**No Impact.** There is not a railroad easement located within 1,500 feet of the site.

<b>XVII. UTILITIES AND SERVICE SYSTEMS— Would the project:</b>	<b>Potentially Significant Impact</b>	<b>Less Than Significant with Mitigation Incorporation</b>	<b>Less Than Significant Impact</b>	<b>No Impact</b>
a) Exceed wastewater treatment requirements of the applicable Regional Water Quality Control Board?			X	
b) Require or result in the construction of new water or wastewater treatment facilities or expansion of existing facilities, the construction of which could cause significant environmental effects?			X	
c) Require or result in the construction of new storm water drainage facilities or expansion of existing facilities, the construction of which could cause significant environmental effects?			X	
d) Have sufficient water supplies available to serve the project from existing entitlements and resources, or are new or expanded entitlements needed?			X	
e) Result in a determination by the wastewater treatment provider which serves or may serve the project that it has adequate capacity to serve the project's projected demand in addition to the provider's existing commitments?			X	
f) Be served by a landfill with sufficient permitted capacity to accommodate the project's solid waste disposal needs?			X	

XVII. UTILITIES AND SERVICE SYSTEMS— Would the project:	Potentially Significant Impact	Less Than Significant with Mitigation Incorporation	Less Than Significant Impact	No Impact
g) Comply with federal, state, and local statutes and regulations related to solid waste?			X	

*Environmental Setting*

As a part of the project description and school site curriculum as a career and technical education program, agricultural crops will be cultivated on-site. The District plans to use well water to maintain the crop. A 2.5-acre retention basin on the southwest portion of the site which will connect to the adjacent property (FourSquare Church) and ultimately to the County of Santa Barbara.

- a) *Would the project exceed wastewater treatment requirements of the applicable Regional Water Quality Control Board?*

**Less Than Significant Impact.** It is not likely the project would exceed wastewater treatment requirements of the Central Coast Regional Water Quality Control Board.

- b) *Would the project require or result in the construction of new water or wastewater treatment facilities or expansion of existing facilities, the construction of which could cause significant environmental effects?*

**Less Than Significant Impact.** A 2.5 acre retention basin will be located on-site to collect water. Waste water will then be connected to County infrastructure via facilities at the adjacent church property.

- c) *Would the project require or result in the construction of new storm water drainage facilities or expansion of existing facilities, the construction of which could cause significant environmental effects?*

**Less Than Significant Impact.** Storm water management is being reviewed by a qualified engineer, as described in **Section 3, IX**. Storm water on site will be collected in the retention basin on the southwest portion of the site.

- d) *Would the project have sufficient water supplies available to serve the project from existing entitlements and resources, or are new or expanded entitlements needed?*

**Less Than Significant Impact.** The project would be served by water conveyed from the City of Santa Maria and is not expected to have a significant impact to the water supply.

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

**Less Than Significant Impact.** The wastewater produced on site will be conveyed to County infrastructure with adequate capacity to serve the site.

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

**Less Than Significant Impact.** Solid waste disposal at the Site would be limited to construction debris and typical school-related materials (e.g., papers, school supplies and food waste), which are not expected to have a significant impact on local landfills. Solid waste disposal will occur at permitted landfills in accordance with federal, state and local regulations.

g) *Would the project comply with federal, state, and local statutes and regulations related to solid waste?*

**Less Than Significant Impact.** The project will comply with all applicable regulations for solid waste.

XVIII. MANDATORY FINDINGS OF SIGNIFICANCE	Potentially Significant Impact	Less Than Significant with Mitigation Incorporation	Less Than Significant Impact	No Impact
a) Does the project have the potential to degrade the quality of the environment, substantially reduce the habitat of a fish or wildlife species, cause a fish or wildlife population to drop below self-sustaining levels, threaten to eliminate a plant or animal community, reduce the number or restrict the range of a rare or endangered plant or animal or eliminate important examples of the major periods of California history or prehistory?			X	
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			X	



XVIII. MANDATORY FINDINGS OF SIGNIFICANCE	Potentially Significant Impact	Less Than Significant with Mitigation Incorporation	Less Than Significant Impact	No Impact
effects of probable future projects)?				
c) Does the project have environmental effects which will cause substantial adverse effects on human beings, either directly or indirectly?		X		

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

**Less Than Significant Impact.** The site has historically been used for agricultural purposes along with the surrounding land. Given the disturbed nature of the site, it does not provide an adequate habitat for rare or endangered species. The conversion of land to an educational facility will not cause significant impacts to the surrounding area.

- 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.** The site is located in an area that is not currently developed. The land adjacent to the property will be developed for use as a church. Given the lack of development around the area and the lack of planned development surrounding the site the cumulative impact of the site will not have a significant impact.

- 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 Incorporation.** Studies were completed to identify potential adverse effects on humans attending the site or surrounding areas. These studies included Air Quality, Traffic Impact Study, Environmental Analysis, Geologic Hazards Analysis and Aeronautics review. All studies determined that the project will not cause substantial adverse effects on human beings directly or indirectly. **Mitigations Measures 1-2** will ensure the project impacts will remain less than significant.

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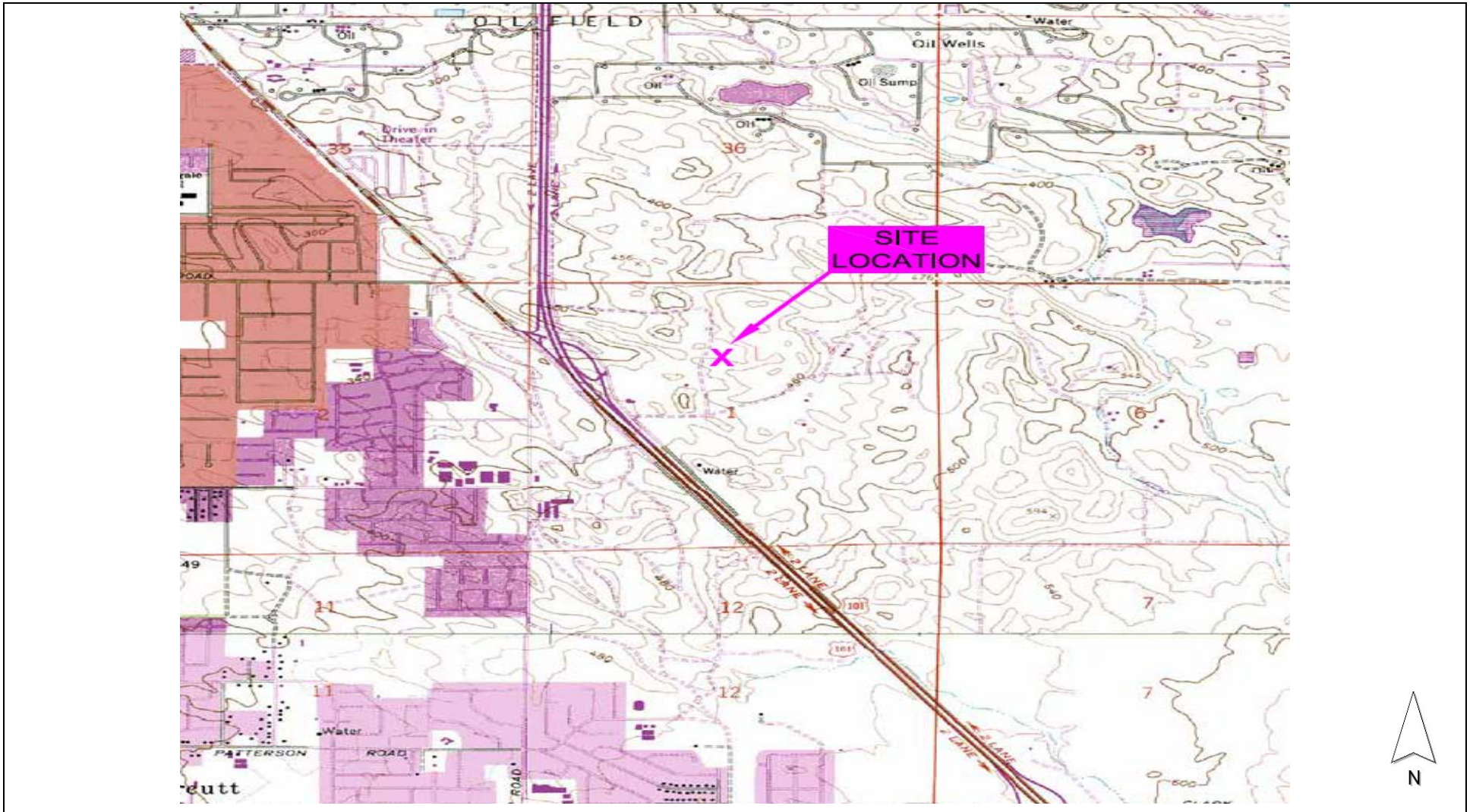
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**Figure 1**  
**Project Site Location Map - Topographic**



Source: Not to scale.



**Site Location Map – Topographic**  
 Santa Maria Joint Union High School District  
 Career and Technical Education School Site

**Figure**  
**1**

**Figure 2**  
**Project Site Location Map - Geographic**



Source: Not to scale.



**Site Location Map – Geographic**  
Santa Maria Joint Union School District  
Career Technical and Education School Site

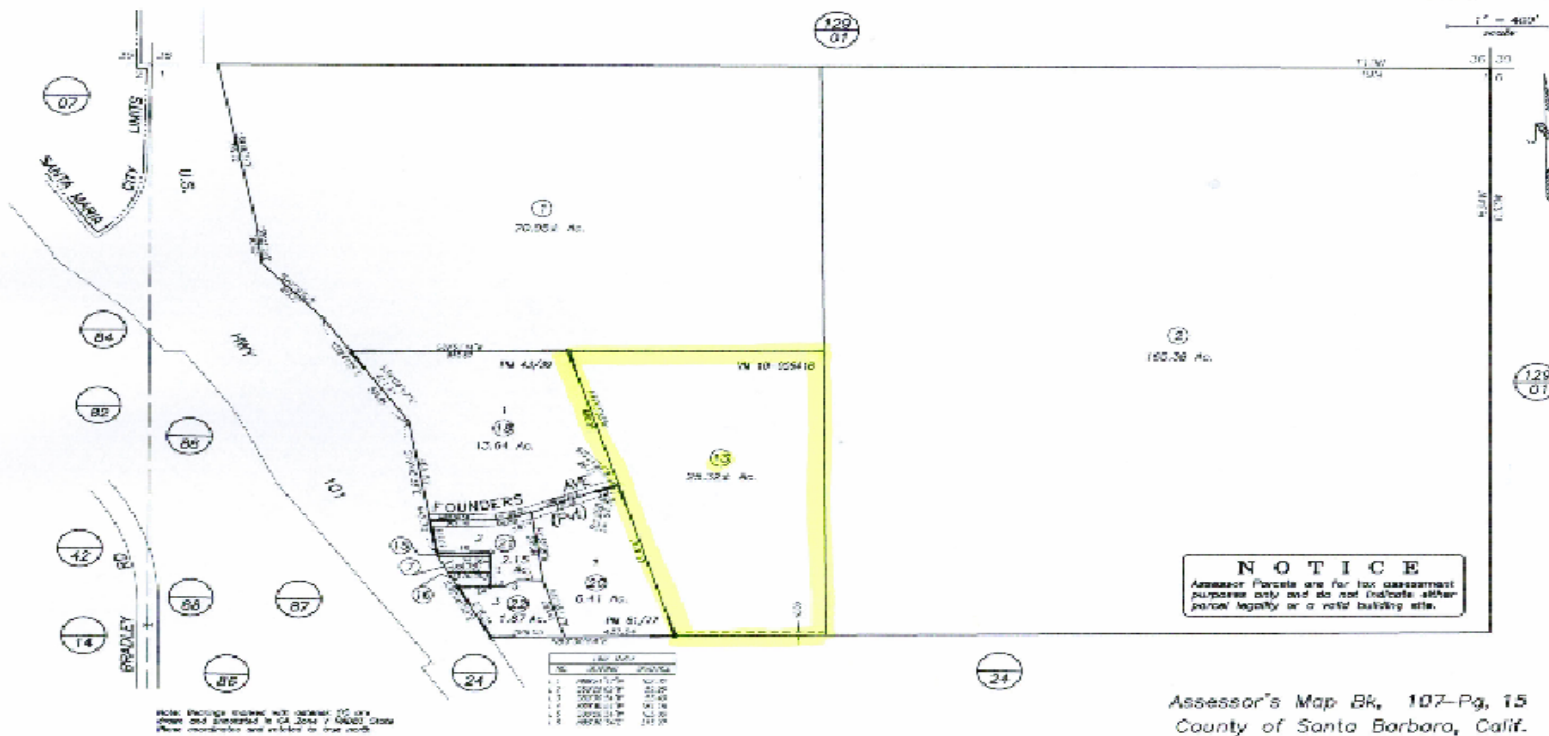
Figure  
2

**Figure 3**  
**Parcel Map**



POR. N1/2 SEC 1 T9N R34W SBB&M

107-15



Source: Not to scale.



**Site Location Map – Parcel Map**  
Santa Maria Joint Union School District  
Career Technical and Education School Site

**Figure 3**

Appendix A  
Site Photos



View of a drainage basin located at the southwest corner of the Project Site



Current planting located at the Project Site



Looking north along the western property boundary of the Project Site



Looking east along the northern property boundary of the Project Site



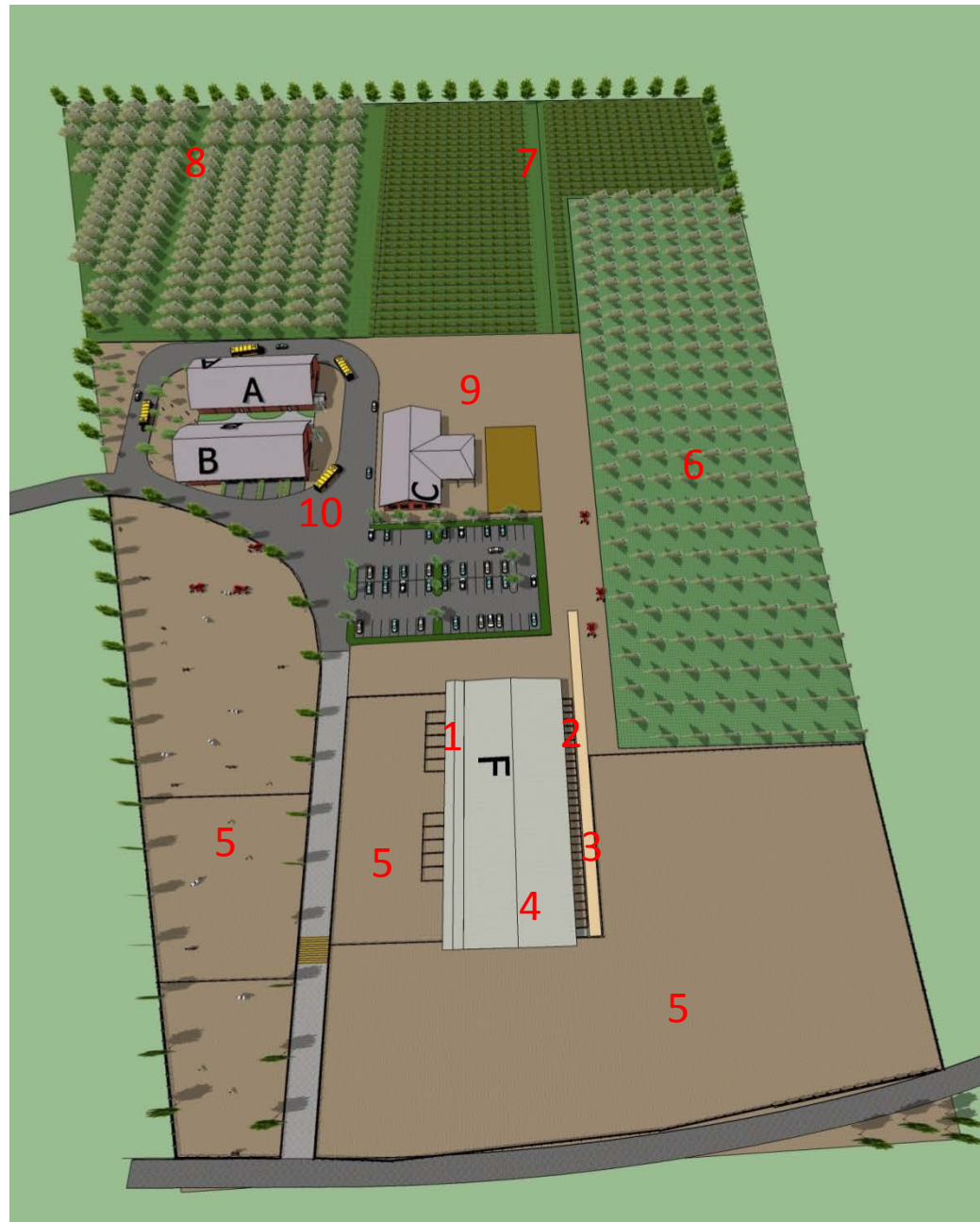
Looking northeast across the Project Site



Looking southwest across the Project Site from the northeast corner

Appendix B  
Site Diagram

# CONCEPTUAL CTE CENTER / AG FARM



## SUMMARY OF STRUCTURES

Label	Description	Est. Size
A	Workshop Bldg 1	9,600 sq ft
B	Workshop Bldg 2	10350 sq ft
C	Ag Pavilion/Culinary Arts/Admin	5750 sq ft
F	Animal Barn	16000 sq ft

## SUMMARY OF LIVESTOCK

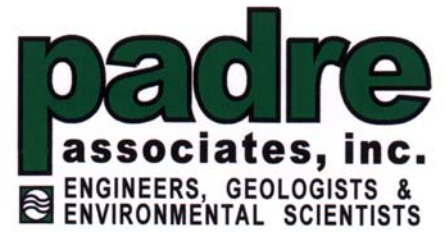
Label	Livestock	Indoor Dimensions	Outdoor Dimensions	Est. Quantity
1	Steer	12' x 20'	12' x 20'	15 pens
2	Pig	8' x 24'	--	32 pens
3	Sow	8' x 12'	8' x 24'	4 pens
4	Goat/Sheep	8' x 18'	8' x 18'	8 pens
			Estimated Total	59 pens

## SUMMARY OF LAND USE

Label	Description	Est. Acreage	
5	Divisible Pasture Area	5.3 acres	
6	Truck Crop Area	4.4 acres	
7	Field Crop Area	4.3 acres	
8	Orchard Area	5.1 acres	
9	Pavilion Parade Ground	2.2 acres	
10	Structures and Vehicular Areas	4.0 acres	
		Estimated Total	25.3 acres

Appendix C  
Geologic Hazards Report





**GEOLOGIC HAZARDS REPORT  
NEW ALTERNATIVE HIGH SCHOOL  
1280 FOUNDERS AVENUE, SANTA MARIA,  
SANTA BARBARA COUNTY, CALIFORNIA**

Prepared for:  
SANTA MARIA JOINT UNION HIGH SCHOOL DISTRICT

MAY 2014

May 29, 2014

Proposal Number: 1401-0541

Mr. Gary R. Wuitschick, Director of Support Services  
Santa Maria Joint Union High School District  
2560 Skyway Drive  
Santa Maria, California 93455

Subject: Geologic Hazards Report for New Alternative High School, 1289 Founders Avenue,  
Santa Maria, Santa Barbara County, California

Dear Mr. Wuitschick:

Padre Associates, Inc. (Padre), on behalf of Santa Maria Joint Union High School District, has prepared this Geologic Hazards Report for the New Alternative High School located at 1280 Founders Avenue, Santa Maria, Santa Barbara County, California (Project Site).

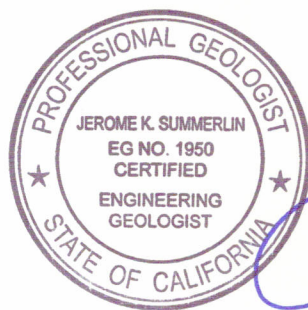
This report has been prepared in general accordance with the California Education Code and California Geological Survey Note 48 and Special Publication 117.

The report summarizes the data that was collected and reviewed for the study at the Project Site. If you have any questions or require additional information, please contact Mr. Alan Klein at (916) 333-5920, Ext. 24.

Sincerely,

**PADRE ASSOCIATES, INC.**

Alan J. Klein, R.E.P.A., C.P.E.S.C., C.E.M.  
Senior Environmental Scientist



Jerome K. Summerlin, C.E.G., C.Hg.  
Principal Geologist

CC: John Dominguez, School Site Solutions, Inc.  
Daniel Hart, School Site Solutions, Inc.

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## INTRODUCTION

This document has been prepared by Padre Associates, Inc. (Padre) in general accordance with the California Education Code and California Geological Survey Note 48 and Special Publication 117.

## PROJECT LOCATION

The Project Site is located at 1280 Founders Avenue, Santa Maria, Santa Barbara County, California, and is identified on **Plate 1 – Site Location Map** and **Plate 2 – Site Plan**.

The Project Site is located southeast of the City of Santa Maria, which is located in the central portion of Santa Maria Valley, in the northwestern part of Santa Barbara County, within the Central Coast area of California. Nearby communities include Orcutt to the south and Guadalupe to the northwest.

The Project Site is located in the north ½ portion of Section 1, Township 9 North, Range 34 West, of the Santa Maria Quadrangle, California USGS 7½-Minute Series, Topographic Map, 1959 (photorevised 1982). Approximate latitude and longitude near the center of the Project Site are identified to be:

- Latitude (North) 34° 53' 20.7594" (34.8891)
- Longitude (West) -120° 24' 39.2394" (-120.4109)

The Project Site consists of approximately 25.32-acres of agricultural use property, identified by the County of Santa Barbara as assessor's parcel number (APN): 107-150-013. A copy of the parcel map is presented in **Appendix A**.

## SITE CONDITIONS

On May 16, 2014 Mr. Alan J. Klein of Padre performed a site reconnaissance of the Project Site and surrounding area. The Project Site consist of planting rows covered with plastic sheeting, and a drip irrigation system has been installed. The planned strawberry crop had not been planted at the time of the Padre's site reconnaissance. A large stormwater detention basin is located at the southwest corner of the Project Site. There are no building structures located on the Project Site, and no chemical storage and/or use was observed at the Project Site. A trailer mounted diesel fuel tank (approximately 500-gallons) was located along the Project Site's southern property boundary. This appears to have been associated with a piece of earth moving equipment (grader) that was staged at the southwest corner of the Project Site.

The Project Site is bordered to the north by agricultural property currently used for the production of blackberries; to the east by agricultural property currently used for the production of strawberries, beyond which is the Greka Oil and Gas Company oil field facility consisting of several oil-gas wells, associated piping, and aboveground storage tanks; to the south by the

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Santa Maria Elks Rodeo facility; and to the west by undeveloped/grazing land, beyond which is the Polished Pet Grooming and Kennel facility (commercial business), and U.S. Highway 101.

### **Topography and Drainage**

Based on a review of the USGS 7.5-minute series topographic map Santa Maria Quadrangle, California, 1959 (photorevised 1982), the Project Site lies at an approximate elevation of 450 feet above mean sea level (msl) near the center of the Project Site. The overall topographic gradient for the surrounding area is to the northwest. The Project Site is undulating in nature, with storm water runoff generally directed toward a drainage basin located in the southwest corner of the Project Site.

Bradley Canyon Creek is located approximately 0.9 miles east of the Project Site and runs in a south-north direction. The Santa Maria River is located approximately 4.7 miles north of the Project Site and runs in an east-west direction. The Santa Maria River is formed at the confluence of the Sisquoc River and Cuyama River, just east of the City of Santa Maria, and flows approximately 24.4 miles where it empties into the Pacific Ocean, near the City of Guadalupe.

### **Site Usage**

The Project Site consists of approximately 25.32-acres of agricultural use property, currently used for the production of strawberries. Agricultural crop production began in 2006, and prior to that the property was used for cattle grazing. There is a plugged and abandoned oil-gas well located within the Project Site boundaries. Reportedly this well produced oil for only four months (January-April) in 1978. The well was then completed as a water/steam injection well that was reportedly in operation from 1978 to 1992. The well was reportedly abandoned in 2001. There is no record of well sump removal activities at the location the well.

## **GEOLOGIC CONDITIONS**

### **Regional Geology**

The Project Site is situated within the Santa Maria Geologic Basin (Basin), in the southern portion of the Coast Range Geomorphic Province of California. The province is characterized by northwest-trending mountains and valleys located between the Great Valley of California and the Pacific Ocean. The Basin is bounded by the Nipomo Mesa to the north; the Temetatte Range of the Sierra Madre Mountains to the east; the Orcutt upland to the south, and the Pacific Ocean to the west (Norris & Webb, 1975).

Within the Basin is the Santa Maria Valley, which is bounded to the north by the San Rafael Mountains, and to the south by the Casmalia and Solomon Hills. The Santa Maria Valley occupies the northwestern part of Santa Barbara County and the extreme southwestern part of San Luis Obispo County. This area comprises the alluvial plans and adjoining terraces, foothills, and mountain slopes of the Santa Maria Valley and lower valley of the Sisquoc River.

The Santa Maria River is formed by the convergence of the Cuyama and the Sisquoc Rivers at Fulger Point and flows westward across a broad alluvial plain, called the Santa Maria Plain to the sand dunes and ultimately the Pacific Ocean, a distance of approximately 20 miles. The Santa Maria basin is a significant hydrocarbon (i.e., oil and gas) producing coastal and off-shore basin in California (USGS Water-Supply Paper 1000, 1951).

The Basin was formed by right-lateral, strike-slip faulting and concurrent deposition of marine sediments during the Tertiary Period. Continued faulting along with a change in tectonic regime resulted in compression of the basin, which formed large-scale folding, such as the Santa Maria syncline. The Basin consists of unconsolidated alluvial deposits and recent and older dunes overlying consolidated sediments of the Paso Robles formation. The non-marine Paso Robles formation (Pliocene-Pleistocene) comprises the majority of the alluvial basin fill deposits and ranges in thickness from 100 to 200 feet (Woodring and Bramlette, 1950).

### **Site Geology**

According to the California Geological Survey Division of Mines and Geology, Geologic Map of the Santa Maria Sheet, 1:250,000 (1959), the Project Site is underlain by Quaternary (Recent) Dune Sand (Qs). The surficial geology of the Project Site and surrounding areas is presented on **Plate 3 - Geologic Map** (Santa Maria Sheet).

The Dibble Geological Foundation Map #DF-51, Geologic Map of Santa Maria and Twitchell Dam Quadrangles (1994), identifies the Project Site is underlain by Quaternary Older Alluvium, wind deposited sand (Qos). The surficial geology of the Project Site and surrounding areas is presented on **Plate 4 - Geologic Map** (DFG).

### **Soils**

The USDA Soil Survey of Northern Santa Barbara Area, California, 1972, identifies the native soil type at the Project Site as Oceano Sand, 2 to 15 percent slopes (OcD). This excessively drained sandy soil formed in old coastal sand dunes. This soil is gently sloping to strongly sloping. It occurs on terrace-like sites in widely scattered areas within 20 miles of the coast. Permeability is rapid. Surface runoff is slow to medium, and the hazard of water erosion is moderate. The hazard of soil blowing is very high. Fertility is considered very low.

### **Groundwater**

The Santa Maria River Valley Groundwater Basin consists of the upper most permeable portion of the Santa Maria Geologic Basin, consisting of unconsolidated plio-pleistocene alluvial deposits. Groundwater flows due west to west-northwest with a large gradient at the origin of the Santa Maria River, becoming more gently sloped as it approaches the Pacific Ocean. Groundwater elevation decreases from approximately 280 feet msl at the eastern portion of the valley to approximately 40 feet msl at the City of Guadalupe, which is located west of the City of Santa Maria (Luhdorff and Scalmanini, 2000).

A review of the State Water Resources Control Board's GeoTracker website (<http://geotracker.waterboards.ca.gov>), identified groundwater assessment activities that were conducted for a facility located approximately 1.3 miles northwest of the Project Site. Reportedly the depth to first groundwater at the referenced site is approximately 45- to 50-feet below ground surface (bgs) and flows in a northwest direction. The elevation of the referenced site (~280 feet msl) is much lower than the Project Site (~450 feet above msl). Therefore, the depth to groundwater in the vicinity of the Project Site is anticipated to be greater than 50-feet bgs.

## **GEOLOGIC HAZARDS ANALYSIS**

### **FAULT RUPTURE HAZARD**

In 1972 the State of California passed the Alquist-Priolo Earthquake Fault Zoning Act (AP Act) to mitigate the hazard of surface faulting to structures utilized for human occupancy. The AP Act's primary purpose is to prevent the construction of buildings used for human occupancy on the surface trace of active faults. The AP Act defines three categories of fault activity; active (demonstrated movement within the last 11,000 years), potentially active (movement within the past 11,000 to 2,000,000 years), and inactive (no movement within the past 2,000,000 years).

Since 1972 the California Geological Survey (CGS, formerly the California Division of Mines and Geology) has issued a series of 1"=2,000' scale maps delineating Earthquake Fault Zones (EFZs). Structures proposed within mapped EFZs require geologic investigations to demonstrate that the structures will not be constructed across active faults. If an active fault is identified within the boundaries of the Project Site, then the proposed structures must be set back from the EFZ, generally a distance of 50 feet on either side of the identified fault location. The CGS mapping program is ongoing, and areas not currently identified as being located within an EFZ may be included at some later time.

The Project Site is not located within an identified EFZ at this time, and no known active faults traverse or trend towards the Project Site. Therefore, it is Padre's opinion that the potential for damage to the Project Site due to fault rupture is low.

### **GROUND SHAKING**

The Project Site is located in a seismically active region and proposed building structures will likely be subjected to ground shaking during the life of the project. The nearest active fault to the Project Site is the San Andreas Fault, which is located approximately 40 miles northeast of the Project Site (Jennings and Bryant 2010). The San Andreas Fault is perhaps the most significant fault in California. The San Andreas has been the source of several major earthquakes during historic times, most notably the 1857 Fort Tejon, 1906 San Francisco, and 1989 Loma Prieta earthquakes. The San Andreas fault is a steeply dipping to vertical strike-slip fault over 1,000 miles long, and is capable of generating earthquakes of Mw of 8 or greater.

Two nearest faults of Late Quaternary Age (past 700,000 to 11,700 years) are the Casmalia Fault located approximately 3 miles south of the Project Site trending northwest-southeast, and the Santa Maria River Fault located approximately 5 miles northeast of the Project Site trending northwest-southeast. The nearest mapped fault is the Santa Maria Fault of Quaternary Age (sometime during past 1.6 million years), which is located approximately one mile northeast of the Project Site, and trending in a northwest-southeast direction (Jennings and Bryant 2010). Therefore, it is Padre's opinion that ground shaking caused by events on distant and nearby active faults is considered a potential seismic hazard at the Project Site. **Refer to Plate 5 – Fault Activity Map.**

## **LIQUEFACTION**

Liquefaction is defined as the sudden loss of soil shear strength due to a rapid increase of soil pore water pressures caused by cyclic loading from a seismic event. In simple terms, it means that a liquefied soil acts more like a fluid than a solid when shaken during an earthquake. For liquefaction to occur, the following conditions are necessary:

- Granular soils (sand, silty sand, sandy silt, and some gravels);
- A high groundwater table; and
- A low density of the granular soils.

In addition to the Earthquake Fault Rupture Hazard program, CGS is systematically evaluating seismic hazards related to liquefaction and landsliding and is publishing maps showing areas susceptible to those two hazards in the event of an earthquake. The program has focused on the heavily populated areas in the Los Angeles and San Francisco Bay areas, and has not reached the area of the Mojave Desert.

Groundwater is anticipated to be at depths greater than 50 feet bgs, therefore the potential for liquefaction at the Project Site is considered low. However, the potential for liquefaction to impact the Project Site should be determined by site-specific subsurface exploration and geotechnical analyses.

## **SEISMICALLY-INDUCED SETTLEMENT**

Seismically-induced settlement refers to settlement of unsaturated granular material as a result of densification and particle rearrangement due to earthquake shaking. Seismically induced settlement differs from settlement resulting from liquefaction because there is not a buildup of excess pore water pressure during the seismic shaking.

Given the presence of granular soils, and being located in a seismically active area, it is Padre's opinion that there is a potential for seismically induced settlement to adversely affect the Project Site. However, without additional subsurface exploration and laboratory analyses, it is not possible to estimate the magnitude of that potential settlement. Padre recommends that site-specific geotechnical studies provide these data for design of the planned improvements.



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## **EXPANSIVE SOILS**

Surface soils at the Project Site generally consist of excessively drained sandy soil formed in old coastal sand dunes. Therefore, the potential of expansive soils at the Project Site is considered low. However, the presence or absence of expansive soils should be verified by the sampling and testing of on-site earth materials as part of a site-specific geotechnical study.

## **SUBSIDENCE**

Land subsidence can occur in valleys containing aquifer systems that are, in part, made up of fine-grained sediments and that have undergone extensive ground-water development. The pore structure of a sedimentary aquifer system is supported by a combination of the granular skeleton of the aquifer system and the fluid pressure of the ground water that fills the intergranular pore space. When groundwater is withdrawn in quantities that result in reduced pore-fluid pressures and water-levels declines, more of the weight of the overlying sedimentary material must be supported by the skeleton, which can result in the compaction of the aquifer and land subsidence (USGS-MWA, 2006).

Based on the likely future increased demand for groundwater resulting in lowered groundwater levels, the potential for subsidence exists. However, the potential for subsidence to occur at the Project Site should be addressed as part of a site-specific geotechnical study.

## **LANDSLIDING AND SLOPE STABILITY**

The Project Site is undulating in nature with an overall slope to the southwest. The Project Site and surrounding area has an average slope gradient of approximately 80 feet per mile (~1.5%) running south to north, and an average slope of approximately 100 feet per mile (~2%) running east to west. Therefore, the potential for landsliding or the failure of natural slopes to affect the Project Site is considered low.

## **FLOOD HAZARD**

According to the Federal Emergency Management Agency (FEMA) Flood Insurance Rate Map (*Community Panel Number: 06083C0195F, Effective: September 30, 2005*), the Project Site is located in Zone X – areas to be determined to be outside the 0.2% (500-year) annual chance floodplain. A copy of the FEMA Flood Insurance Rate Map is presented in **Appendix B**.

## **DAM INUNDATION**

For planning purposes, the California Office of Emergency Services (OES), with information from the U.S. Army Corps of Engineers (USACE), U.S. Bureau of Reclamation (USBR) and the Department of Water Resources (DWR), has the responsibility to provide local governments with critical hazard response information, including flooding from dam inundation. Catastrophic failure of dams is rare, and is most likely to occur following significant seismic events.

Twitchell Dam is located approximately 8.15 miles northeast of the Project Site. Twitchell Dam is an earthfill structure, with a height of 241 feet. The dam regulates flows along the lower reaches of the Cuyama River and impounds surplus flows for release in dry months to help recharge the ground-water reservoir underlying Santa Maria Valley. According to the OES Inundation Map of Twitchell Dam dated December 1975, the Project Site would not be impacted by flood waters from the dam failure.

## **TSUNAMI/SEICHE**

Tsunamis are long-period sea waves generated by earthquakes or submarine landslides, while seiches are oscillations in large bodies of water such as lakes or reservoirs caused by earthquakes or landslides.

The Project Site is located approximately 11.5 miles inland from the Pacific Ocean. According to the California Department of Conservation, Santa Barbara County, Tsunami Inundation Map for Emergency Planning, Casmalia Quadrangle January 31, 2009, the Project Site is not located in a Tsunami Inundation Area.

Twitchell Dam is located approximately 8.15 miles northeast of the Project Site. According to the OES Inundation Map of Twitchell Dam dated December 1975, the Project Site would not be impacted by flood waters from a catastrophic dam failure. Therefore, the potential for a tsunami or seiche to affect the Project Site is considered low.

## **VOLCANIC ACTIVITY**

Volcanic eruptions have occurred in the western United States in historic times, most notably the Mt. Lassen, California eruptions of 1914 to 1917 and Mt. St. Helens, Washington, in 1980. According to the USGS Major West Coast Volcanoes Map (1998), the nearest major volcano is Amboy Crater and Lava Field, which is located approximately 125 miles northeast of the Project Site. This volcano last erupted approximately 10,000 years ago. The Salton Buttes Lava Domes are located approximately 135 miles southeast of the Project Site. This volcano last erupted approximately 16,000 years ago.

The nearest mapped volcanic field to the Project Site is the Coso Volcanic Field, which is located approximately 165 miles to the northeast. The Coso Volcanic Field covers approximately 150 square miles, and is home to one of the largest producers of geothermal power in the U.S. The most recent eruption occurred approximately 40,000 years ago.

The most significant potential hazard from volcanic eruption is that from falling volcanic ash, which can damage crops, electronics, and machinery and in severe cases, collapse buildings. The Project Site is located outside the USGS mapped areas subject to potential hazards from future eruptions in California (USGS, 1989). Therefore the potential for a volcanic eruption to affect the Project Site is considered low.

---

## **NATURALLY OCCURRING ASBESTOS (NOA)**

Asbestos is a naturally occurring silicate mineral of the amphibole group that has historically been utilized for a variety of purposes including fireproofing, due to its fibrous nature, which allowed it to be woven into cloth and formed into various types of construction material. Asbestos is a known carcinogen. According to the California Department of Conservation, Division of Mines and Geology, Open-File Report 2000-19, dated August 2000, natural occurrences of asbestos are more likely to be encountered in, and immediately adjacent to, areas of ultramafic rocks (igneous and metamorphic rocks with high iron and magnesium contents).

According to the California Geological Survey Division of Mines and Geology, Geologic Map of the Santa Maria Sheet, 1:250,000 (1959), Mesozoic ultrabasic intrusive rock outcrops are mapped approximately 9.2 miles southwest of the Project Site. However, these outcrops are not located within the drainage pattern of the Project Site. Therefore, the potential presence of NOA at the Project Site from weathering and deposition of ultrabasic rock outcrops is considered low.

## **RADON**

Radon is a colorless, odorless, tasteless, and radioactive gas that is produced as a natural decay product of uranium. Because of its radioactivity, studies have shown that at elevated concentrations there is a link between radon and lung cancer. Persons living in a building with elevated radon concentrations may have an increased risk of contracting lung cancer over a period of years.

Sections 307 and 309 of the Indoor Radon Abatement Act of 1988 (IRAA) directed the United States Environmental Protection Agency (U.S. EPA) to list and identify areas of the United States with the potential for elevated indoor radon levels. The U.S. EPA's Map of Radon Zones assigns each of the 3,141 counties in the U.S. to one of three zones based on radon potential:

- Zone 1 counties have a predicted average indoor radon screening level greater than 4 pCi/L (pico curies per liter) (red zones);
- Zone 2 counties have a predicted average indoor radon screening level between 2 and 4 pCi/L (orange zones); and
- Zone 3 counties have a predicted average indoor radon screening level less than 2 pCi/L (yellow zones).

The California Department of Health Services recommends that action is taken to reduce radon levels in residential housing if the levels are 4 pCi/L or greater.

According to the U.S. EPA map of California radon zones, Santa Barbara County is identified as a Zone 1 (red) county. Zone 1 counties have a predicted average indoor radon

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screening levels > 4 pCi/L. According to the State Radon Test Results for Zip Code 93454, where 34 radon tests were conducted, only two sites reported radon levels > 4 pCi/L.

The Zone 1 designation for Santa Barbara County is based on elevated radon levels associated with the Rincon Shale geologic formation. This rock unit is widely scattered across southern Santa Barbara County, but is not present in the Santa Maria area (Santa Maria City, General Plan, 1995). Therefore, the potential for radon hazard is considered low to medium, and is dependent on building construction.

## **OIL AND GAS WELLS**

The California Division of Oil, Gas, and Geothermal Resources (DOGGR) oversees the drilling, operation, maintenance, and plugging and abandonment of oil wells, natural gas wells, and geothermal wells. The DOGGR regulatory program emphasizes the wise development of oil, natural gas, and geothermal resources in the state of California through sound engineering practices that protect the environment, prevent pollution, and ensure public safety. Padre reviewed the available DOGGR online mapping system for the Project Site at the California Department of Conservation webpage (<http://www.consrv.ca.gov/DOG/index.htm>).

According to the DOGGR online database and interactive map, there is a plugged and abandoned former oil-gas well located at the Project Site. This well is referenced as American Petroleum Institute (API) number 08320574. Reportedly, this well produced oil for only four months (January-April) in 1978. The well was then completed as a water/steam injection well that was reportedly in operation from 1978 to 1992. The well was reportedly abandoned in 2001. There is no record of well sump removal activities at the location of this well.

There are multiple oil-gas wells located north, northeast, and east of the Project Site. The nearest active oil-gas well (API No.08320662) is located approximately 1,100-feet northeast of the Project Site. This is an active oil-gas well that began producing in 1976. Most of the other wells in the immediate area are idle or plugged and abandoned. A copy of the DOGGR well map and DOGGR well information is presented in **Appendix C**.

## **CONCLUSIONS AND RECOMMENDATIONS**

Padre makes the following conclusions base on the results of this limited geological hazards evaluation:

- At the time of this report, the Project Site is not located within the boundaries of an Alquist-Priolo Earthquake Fault Zone, and no active faults are known to traverse the Project Site;
- Ground shaking caused by events on distant and nearby active faults is considered a potential seismic hazard at the Project Site;

- The potential for liquefaction at the Project Site is considered low. However, actual conditions are determined by site-specific subsurface exploration and geotechnical analyses;
- Seismically-induced settlement caused by earthquake shaking is considered a potential seismic hazard at the Project Site;
- The Project Site has not been identified to be underlain by expansive soils. However, actual conditions are determined by site-specific subsurface exploration and geotechnical analyses;
- Based on the likely future demand for pumping groundwater, the potential for subsidence to occur exists. The potential for subsidence at the Project Site should be addressed as part of a site-specific geotechnical analyses;
- The Project Site and surrounding area are not located in a landslide hazards area;
- The Project Site is not located within a 100-year or 500-year flood zone;
- The Project Site is not located within a dam inundation area;
- The nearest mapped exposure of potentially asbestos-bearing ultramafic rocks is located approximately 9.2 miles southwest of the Project Site. However, these outcrops are not located within the drainage pattern of the Project Site. Therefore, the potential presence of NOA at the Project Site is considered low.
- Santa Barbara County is identified as a Zone 1 county for radon levels. Zone 1 counties have a predicted average indoor radon screening levels > 4 pCi/L. The California Department of Health Services recommends that action is taken to reduce radon levels in residential housing if the levels are 4 pCi/L or greater. However, the Zone 1 designation for Santa Barbara County is based on elevated radon levels associated with the Rincon Shale geologic formation. This rock unit is widely scattered across southern Santa Barbara County, but is not present in the Santa Maria area (Santa Maria City, General Plan, 1995). Therefore, the potential for radon hazard is considered low to medium.
- There is a plugged and abandoned former oil-gas well located at the Project Site. This well is referenced as American Petroleum Institute (API) number 08320574. Reportedly this well produced oil for only four months (January-April) in 1978. The well was then completed as a water/steam injection well that was in operation from 1978 to 1992. The well was reportedly abandoned in 2001. There is no record of well sump removal. Therefore, the potential presence of an historic oil-gas well sump that may contain crude oil and drilling mud associated with oil field activities is considered a potential hazard at the Project Site.

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The results of the Geologic Hazards Report identified ground shaking; seismically induced settlement; and subsidence as potential geologic hazards that cannot be adequately quantified without a site-specific geotechnical study. A site-specific geotechnical study will be required by the California Division of the State Architect, and mitigation measures will be incorporated prior to and/or as part of site improvements and school construction. The geotechnical study will consist of a number of exploration locations (drill holes, cone penetration test soundings, or other methods) over the site development area. Soil samples are collected and tested in the laboratory and the results of field and laboratory data are used by the geotechnical engineer to develop earthwork and foundation recommendations for the proposed development. The potential geohazards identified in this report (if found to be present at the Project Site) can typically be mitigated through either ground improvement methods or the use of deep foundation systems.

This report was prepared in general accordance with California *Education Code* §17212 and 17212.5 and California Geological Survey Note 48 and Special Publication 117.

## LIMITATIONS

This letter-report has been prepared at the request of Santa Maria Joint Union High School District. In performing our professional services, Padre Associates, Inc. has applied present geologic, engineering and scientific judgment and used a level of effort consistent with the standard of practice measured on the date of work and in the locale of the Project Site for similar type projects. No warranty, implied or expressed is made regarding the conclusions and recommendations of this report. Geologic variations may exist at the Project Site, and conditions not described herein may be encountered.

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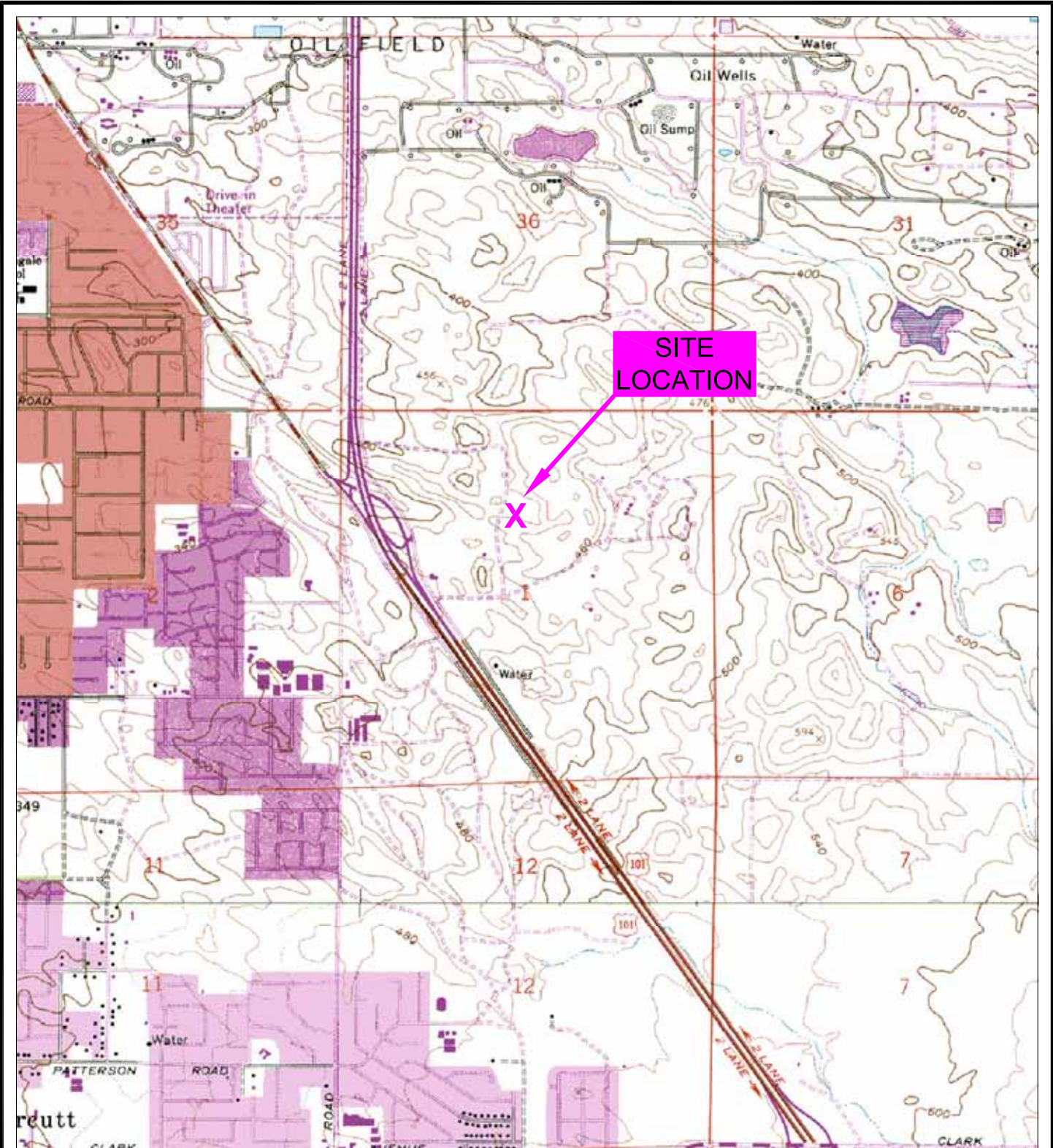
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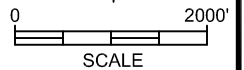
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## PLATES



U.S.G.S. 7.5 MINUTE QUADRANGLE  
 SANTA MARIA, CA 1959 (PHOTOREVISED 1982)



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NEW ALTERNATIVE HIGH SCHOOL  
 SANTA MARIA JOINT UNION HIGH S.D.  
 1280 FOUNDERS AVENUE  
 SANTA MARIA, CALIFORNIA

PLATE 1  
 SITE LOCATION

PROJECT NO. 1401-0541	DATE 5/8/14	DR. BY AC	APP. BY AJK
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PROJECT SITE  
(APN 107-150-013)

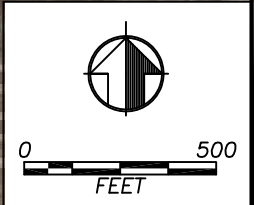
HIGHWAY 101

S. BRADLEY RD.

CEDAR HURST DR.

MORNINGSIDE DR.

SOURCE: GOOGLE EARTH MAP DATED APRIL 2013

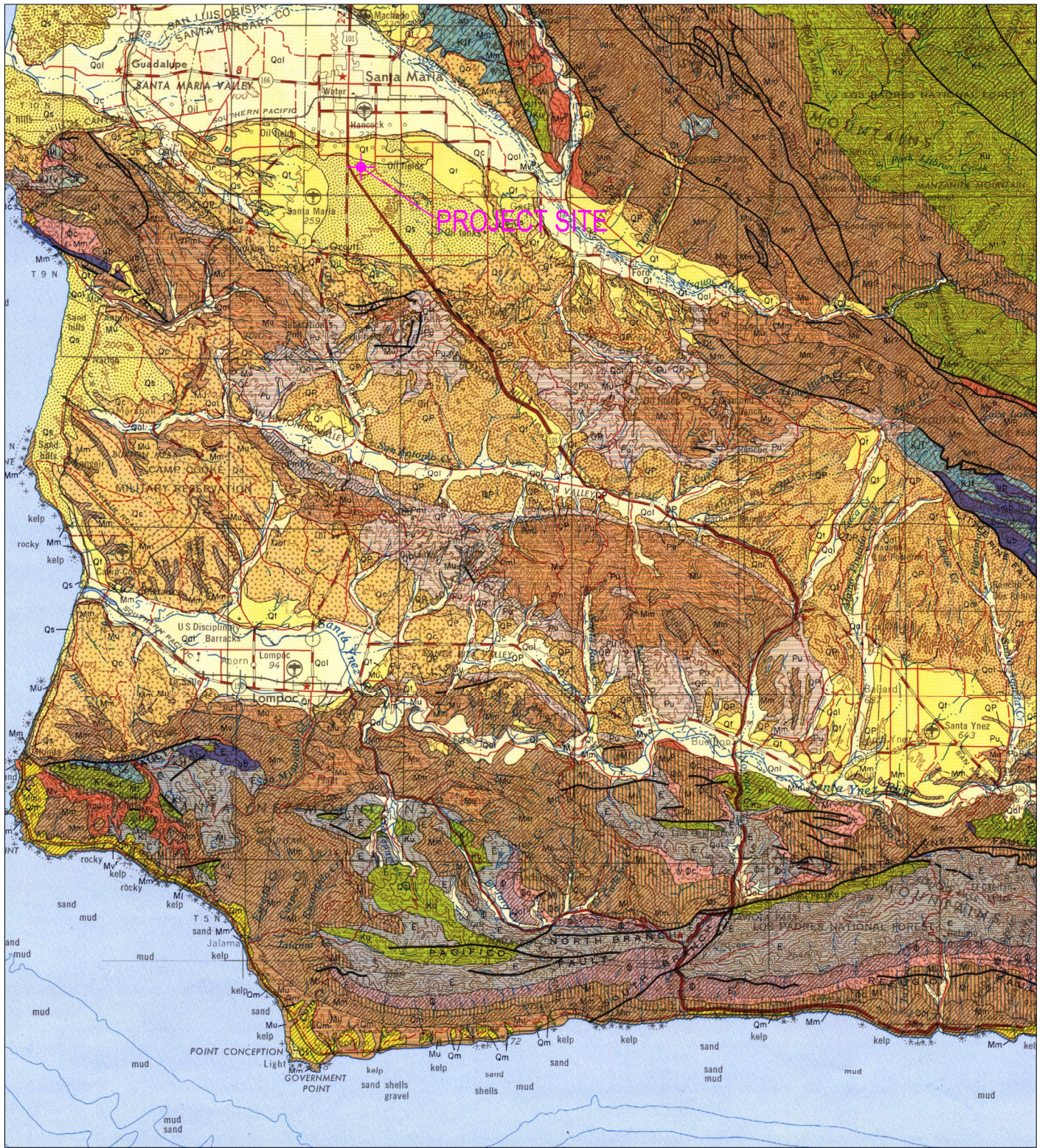


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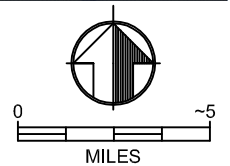
NEW ALTERNATIVE HIGH SCHOOL  
SANTA MARIA JOINT UNION HIGH S.D.  
1280 FOUNDERS AVENUE  
SANTA MARIA, CALIFORNIA

PROJECT NO. 1401-0541	DATE 5/8/14	DR. BY AC	APP. BY AJK
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PLATE 2  
**SITE PLAN**



GEOLOGIC MAP OF CALIFORNIA - SANTA MARIA SHEET (SCALE 1:250,000)  
 CALIFORNIA GEOLOGICAL SURVEY (1959)

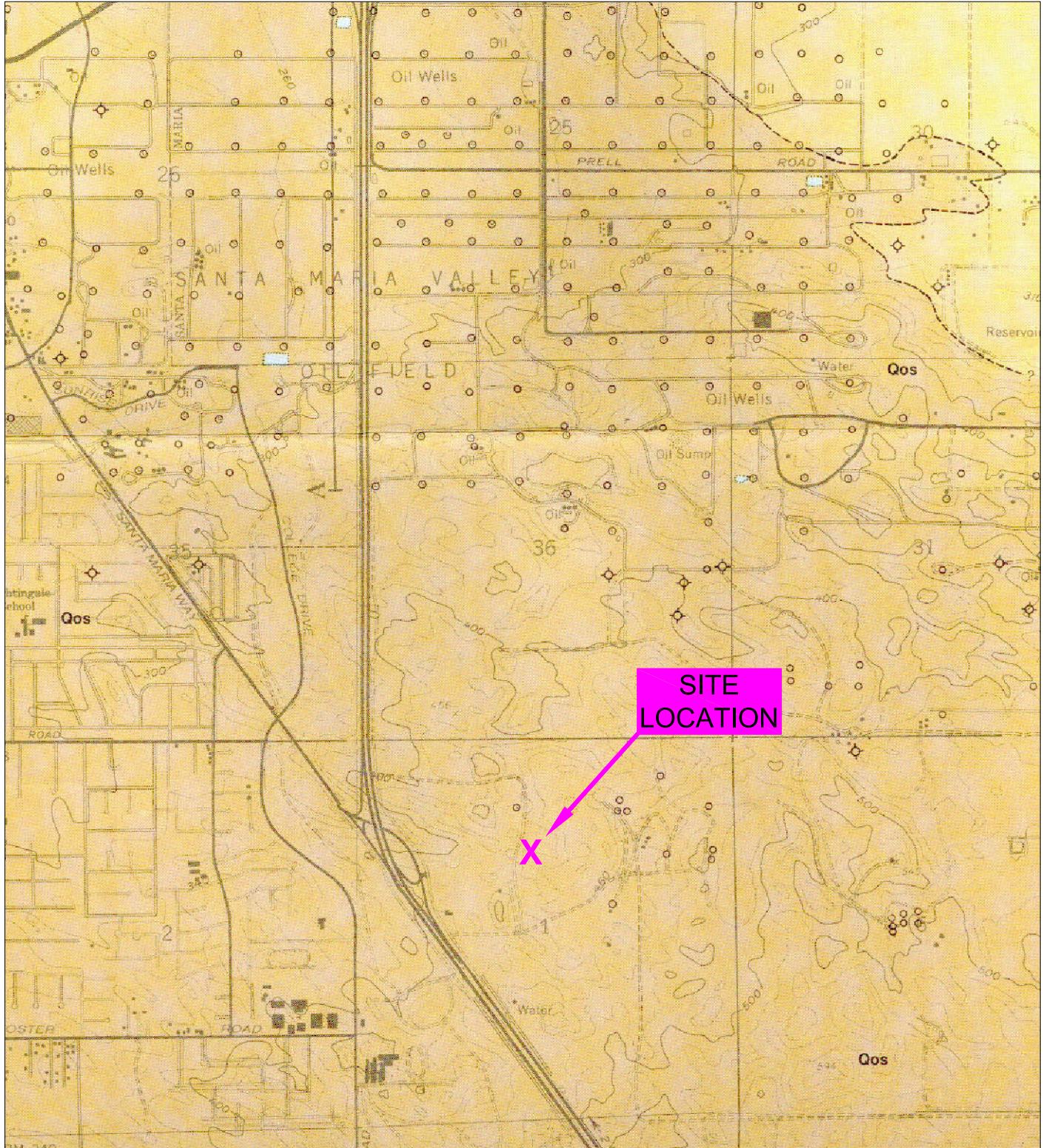


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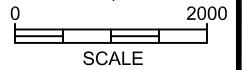
NEW ALTERNATIVE HIGH SCHOOL  
 SANTA MARIA JOINT UNION HIGH S.D.  
 1280 FOUNDERS AVENUE  
 SANTA MARIA, CALIFORNIA

PROJECT NO.	DATE	DR. BY	APP. BY
1401-0541	5/13/14	AC	AJK

PLATE 3  
**GEOLOGIC MAP**  
**(SANTA MARIA SHEET)**



MAP TAKEN FROM GEOLOGIC MAP OF THE SANTA MARIA AND TWITCHELL DAM QUADRANGLES - SANTA BARBARA & SAN LUIS OBISPO COUNTIES, CALIFORNIA BY THOMAS W. DIBBLEE, JR. (1994)



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*NEW ALTERNATIVE HIGH SCHOOL  
 SANTA MARIA JOINT UNION HIGH S.D.  
 1280 FOUNDERS AVENUE  
 SANTA MARIA, CALIFORNIA*

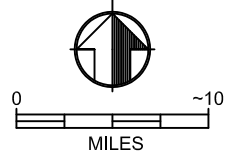
**PLATE 4  
 GEOLOGIC MAP  
 (DFG)**

PROJECT NO. 1401-0541	DATE 5/8/14	DR. BY AC	APP. BY AJK
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MAP TAKEN FROM CALIFORNIA GEOLOGIC DATA MAP SERIES  
 FAULT ACTIVITY MAP OF CALIFORNIA AND ADJACENT AREAS (2010)

- HISTORIC DISPLACEMENT (LAST 200 YEARS)
- LATE QUATERNARY FAULTS (700,000 TO 11,700 YEARS)
- HOLOCENE FAULTS (11,700 TO 200 YEARS)
- QUATERNARY FAULTS (AGE UNDIFFERENTIATED; SOMETIME DURING PAST 1.6 MILLION YEARS)



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PLATE 5

FAULT ACTIVITY MAP

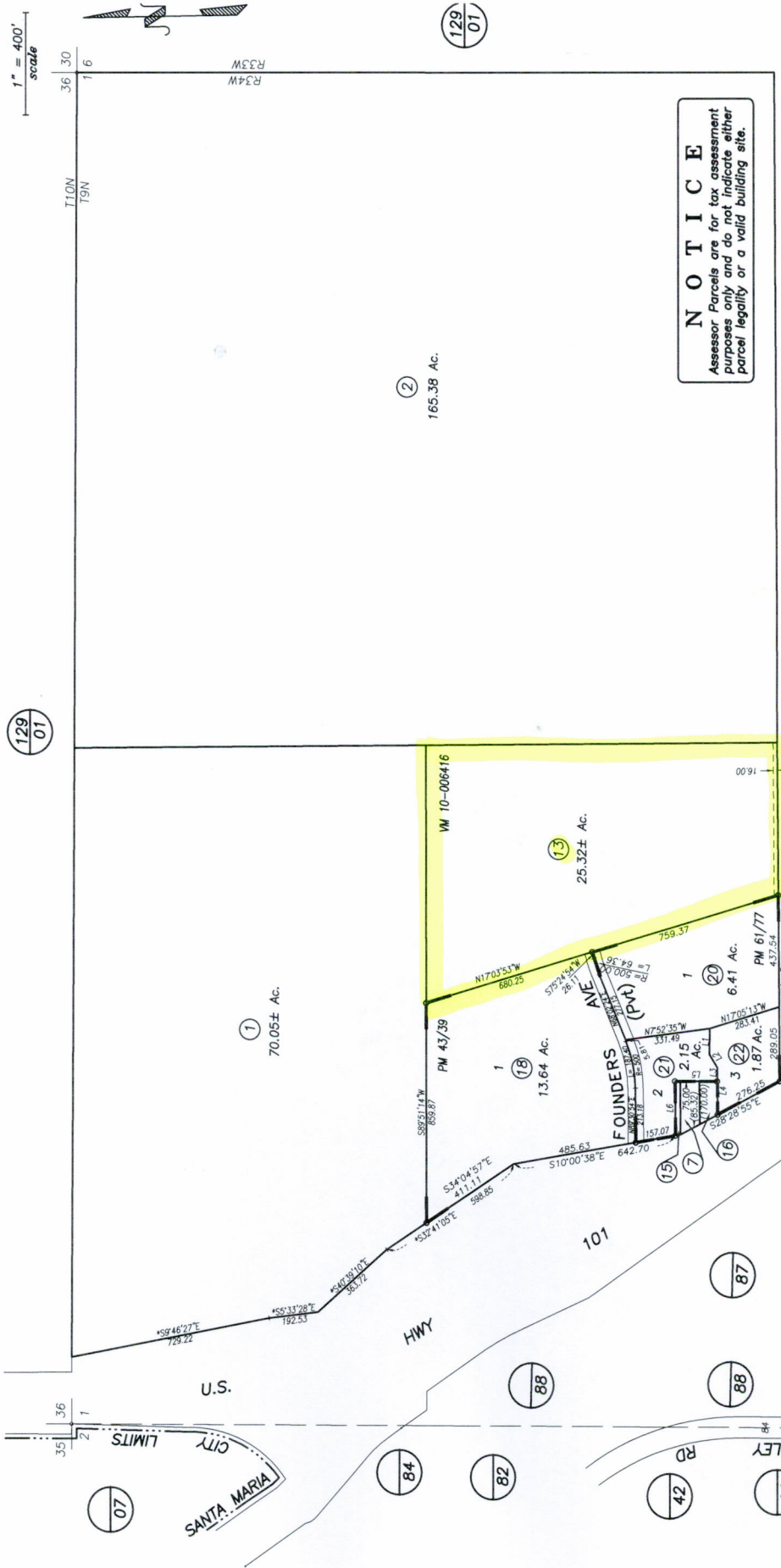
PROJECT NO. 1401-0541	DATE 5/8/14	DR. BY AC	APP. BY AJK
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## APPENDIX A

POR. N1/2 SEC 1 T9N R34W SBB&M

107-15



**N O T I C E**  
 Assessor Parcels are for tax assessment purposes only and do not indicate either parcel legality or a valid building site.

NO.	BEARING	DISTANCE
L 1	N89°21'42"W	103.32
L 2	S59°29'02"W	58.25
L 3	S88°30'54"W	53.40
L 4	S89°30'54"W	184.16
L 5	N89°30'54"W	213.97
L 6	N89°30'54"W	213.97

Note: Bearings marked with asterisk (\*) are drawn and annotated in CA Zone V NAD83 State Plane coordinates and related to true north.

(129 01)

(129 01)

(24)

(LD/12)

17 & 23 into new page 86, 87 & 88

Assessor's Map Bk, 107-Pg, 15  
County of Santa Barbara, Calif.

## APPENDIX B



onal Flood Insurance Program at 1-800-638-6620.

**MAP SCALE 1" = 1000'**

00 0 1000 2000 FEET

**NATIONAL FLOOD INSURANCE PROGRAM**

**PANEL 0195F**

**FIRM**  
**FLOOD INSURANCE RATE MAP**  
**SANTA BARBARA COUNTY,**  
**CALIFORNIA**  
**AND INCORPORATED AREAS**

**PANEL 195 OF 1835**  
(SEE MAP INDEX FOR FIRM PANEL LAYOUT)

CONTAINS:

COMMUNITY	NUMBER	PANEL	SUFFIX
SANTA BARBARA COUNTY	060331	0195	F
SANTA MARIA, CITY OF	060336	0195	F

Notice to User: The **Map Number** shown below should be used when placing map orders; the **Community Number** shown above should be used on insurance applications for the subject community.

**MAP NUMBER**  
**06083C0195F**

**EFFECTIVE DATE**  
**SEPTEMBER 30, 2005**

Federal Emergency Management Agency

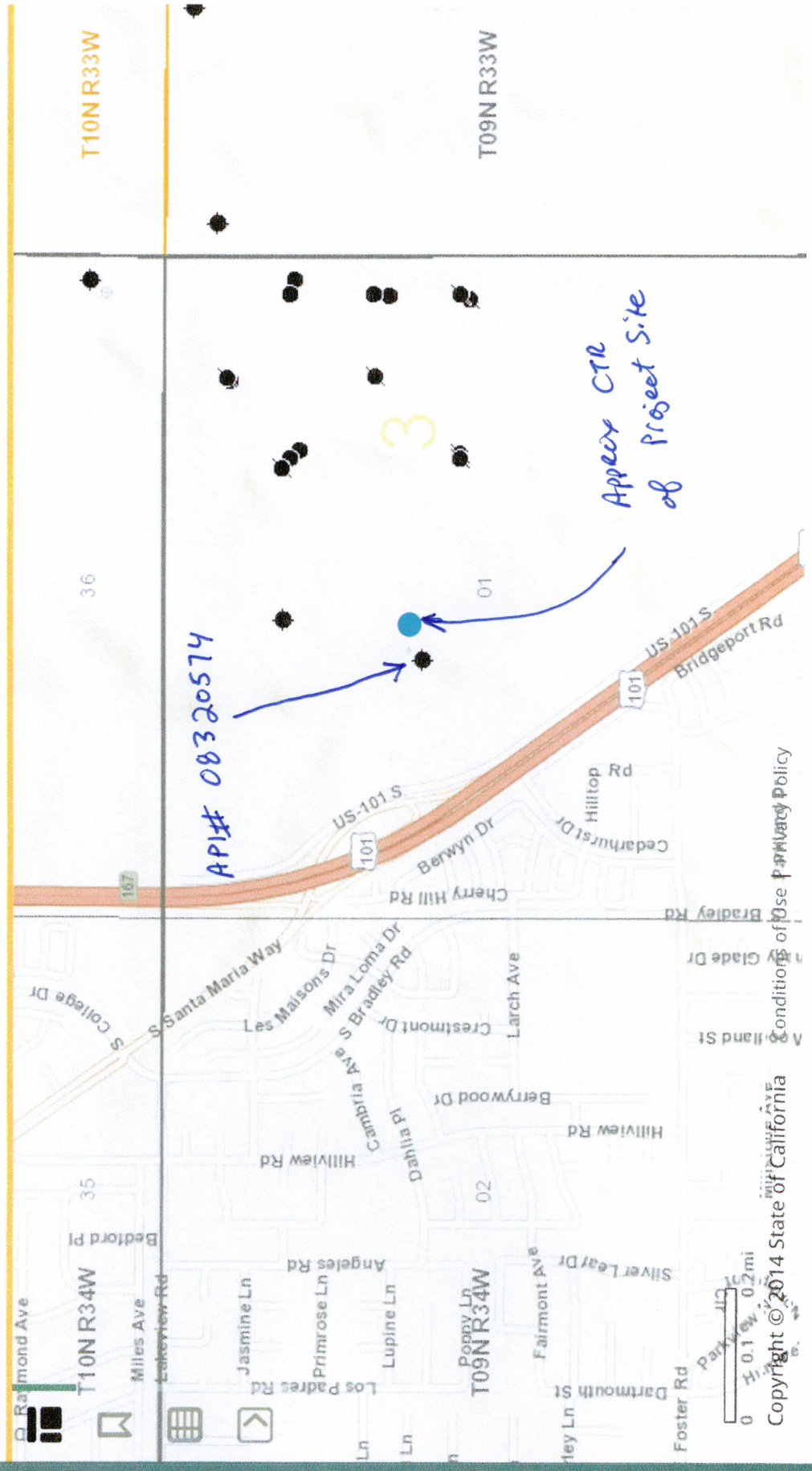
This is an official copy of a portion of the above referenced flood map. It was extracted using F-MIT On-Line. This map does not reflect changes or amendments which may have been made subsequent to the date on the title block. For the latest product information about National Flood Insurance Program flood maps check the FEMA Flood Map Store at [www.msc.fema.gov](http://www.msc.fema.gov)

## APPENDIX C

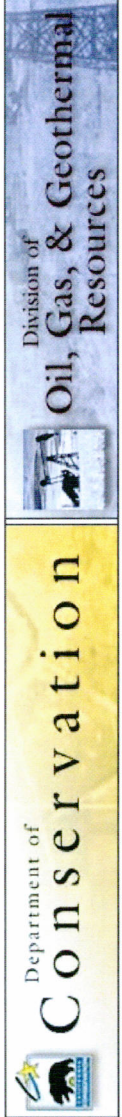


Department of Conservation

### Division of Oil, Gas & Geothermal Resources Well Finder



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Map of Use Policy



Online WellRecord Query for State of California, Department of Conservation, Division of Oil, Gas, and Geothermal Resources.

[DOGGR Home Page](#)
[Online Production/Injection](#)
[How to Print Logs](#)

**Well Details**

Back [Get Well Map](#)

**Well Details**  
 API: 08320574 Well Status: Plugged District: 3  
 Operator: Greka Oil & Gas Inc. Operator Status: Active  
 Lease: Shell-Standard Blanc Well Number: 1 County: Santa Barbara  
 Field: Santa Maria Valley Field Code: 668 Area: Bradley Area Code: 02 Latitude: 34.888818 NAD83  
 Section: 1 Township: 9N Range: 34W BaseMeridian: SB Longitude: -120.411835 NAD83  
 Spud Date: Abandonment Date:

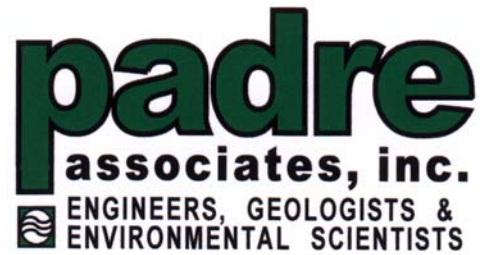
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Appendix D  
Phase I Environmental Site Assessment





**PHASE I ENVIRONMENTAL SITE ASSESSMENT AND TITLE V  
ENVIRONMENTAL HAZARDS EVALUATION  
NEW ALTERNATIVE HIGH SCHOOL  
1280 FOUNDERS AVENUE, SANTA MARIA,  
SANTA BARBARA COUNTY, CALIFORNIA**

Prepared for:  
SANTA MARIA JOINT UNION HIGH SCHOOL DISTRICT

May 2014

May 30, 2014

Proposal Number: 1401-0541

Mr. Gary R. Wuitschick, Director of Support Services  
Santa Maria Joint Union High School District  
2560 Skyway Drive  
Santa Maria, CA 93455

Subject: Phase I Environmental Site Assessment and Title V Environmental Hazards  
Evaluation Report for a New Alternative High School, Santa Maria,  
Santa Barbara County, California

Dear Mr. Wuitschick:

Padre Associates, Inc. (Padre), on behalf of Santa Maria Joint Union High School District, has prepared this Phase I environmental site assessment and Title V environmental hazards evaluation report for a New Alternative High School located at 1280 Founders Avenue, Santa Maria, Santa Barbara County, California.

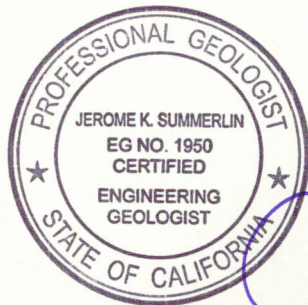
This Phase I ESA and environmental hazards report was performed in general accordance with the requirements of the California Department of Education (CDE), the Department of Toxic Substances Control (DTSC) for evaluating new and existing school sites, and the American Society for Testing and Materials (ASTM) Standard Practice Designation E 1527-13.

Padre appreciates the opportunity to provide environmental consulting services to the Santa Maria Joint Union High School District. If you have any questions or require additional information, please contact Mr. Alan Klein at (916) 333-5920, Ext. 24.

Sincerely,

**PADRE ASSOCIATES, INC.**

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## EXECUTIVE SUMMARY

Padre Associates, Inc. (Padre), on behalf of Santa Maria Joint Union High School District, completed a Phase I environmental site assessment (ESA) and Title V environmental hazards evaluation for a New Alternative High School site located at 1280 Founders Avenue, Santa Maria, Santa Barbara County, California (Project Site).

The objective of the ESA was to determine whether current or previous land use at or adjacent to the Project Site may have involved, or resulted in the use, storage, disposal, treatment, and/or release of hazardous substances to the environment. The ESA was completed consistent with the American Society for Testing and Materials (ASTM) Standard Practice for Environmental Site Assessments (E-1527-13).

To achieve the objective of the ESA, the following tasks were completed:

- A review of readily available geologic and hydrogeologic literature;
- Historical research including a review of available historical aerial photographs; Sanborn Fire Insurance Maps, and historical topographic maps relating to the Project Site;
- A site reconnaissance of the Project Site and properties located within a ½ mile of the Project Site;
- Interviews with knowledgeable persons;
- Public agency records review;
- An environmental database search;
- Performing all appropriate inquiries (AIs);
- Identifying recognized environmental conditions (RECs);
- Identifying historical recognized environmental conditions (HRECs);
- Identifying control recognized environmental conditions (CRECs), including activity and use limitations (AULs);
- Identifying vapor migration environmental conditions (VEC); and
- The preparation of this report presenting the results of the ESA.

The environmental hazards evaluation consisted of completing a review of hazards as described in California Code of Regulations, Title 5, Sections 14010 et seq. The environmental hazards evaluation will identify the presence and/or absence of the following:

- Facilities that might reasonably be anticipated to emit hazardous air emissions or hazardous materials handlers within a ¼-mile of the Project Site;

- High volume ( $\geq 12$  inches) water pipelines on or near the Project Site;
- High pressure natural gas and/or liquid petroleum pipelines located within 1,500 feet of the Project Site;
- High voltage power transmission lines located within 500 feet of the Project Site and transformers of cell towers on or near the Project site;
- Airports located within 2-nautical miles of the Project Site;
- Railroad tracks located within 1,500 feet of the Project Site;
- Earthquake faults or traces on or near the site; and identify if the Project Site is located in an Alquist-Priolo Earthquake Fault Zone;
- Flood hazard and dam inundation;
- Aboveground water/fuel storage tanks on or near the Project Site; and
- Traffic corridor (freeway or other busy traffic corridor) located within 500 feet of the Project Site.

Based on the results of the scope of services performed for this Phase I ESA and Title V environmental hazards report, Padre makes the following observations, conclusions, and recommendations regarding the Project Site.

The Project Site consists of approximately 25.32-acres of agricultural use property, identified by the County of Santa Barbara as Assessor's Parcel Number (APN): 107-150-013. The Project Site is currently used for agricultural crop production (strawberries), and has been since approximately 2006. Prior to 2006 the Project Site was used for cattle grazing. There is a plugged and abandoned former oil-gas well located at the Project Site. Reportedly, this well produced oil for only four months (January-April) in 1978. The well was then reportedly completed as a water/steam injection well that was in operation from 1978 to 1992. The well was abandoned in 2001. There is no record of well sump removal activity conducted at the location of this well.

The Project Site is bordered to the north by agricultural property currently used for the production of blackberries; to the east by agricultural property currently used for the production of strawberries, beyond which is the Greka Oil and Gas Company oil field facility consisting of several oil-gas wells, associated piping, and aboveground storage tanks; to the south by the Santa Maria Elks Rodeo facility; and to the west by undeveloped/grazing land, beyond which is the Polished Pet Grooming and Kennel facility (commercial business), and U.S. Highway 101.

According to Earthquake Fault Zone (EFZ) maps issued by the California Geological Survey (CGS, formerly the California Division of Mines and Geology), the Project Site is not located within the boundaries of an Alquist-Priolo Earthquake Fault Zone, and no active faults are known to cross the site (Jennings 2010).

According to the California Geological Survey Division of Mines and Geology, Geologic Map of the Santa Maria Sheet, 1:250,000 (1959), Mesozoic ultrabasic intrusive rock outcrops

are mapped approximately 9.2 miles southwest of the Project Site. However, these outcrops are not located within the drainage pattern of the Project Site. Therefore, the potential for the presence of NOA at the Project Site from weathering and deposition of ultrabasic rock outcrops is considered low.

According to the Federal Emergency Management Agency (FEMA) Flood Insurance Rate Map (*Community Panel Number: 06083C0195F, Effective: September 30, 2005*), the Project Site is located in Zone X – areas to be determined to be outside the 0.2% (500-year) annual chance floodplain.

According to the Santa Barbara County Air Pollution Control District there are no permitted facilities, which might reasonably be anticipated to emit hazardous air emissions were identified within a ¼-mile radius of the Project Site.

According to the U.S. DOT PHMSA website ([www.npms.phmsa.dot.gov](http://www.npms.phmsa.dot.gov)), there are no hazardous liquid pipelines and/or natural gas transmission pipelines located within 1,500 feet of the Project Site. According to Greka Oil and Gas there are no natural gas pipelines that operate at >80 pounds per square in gauge (psig) located within 1,500 feet of the Project Site. There is a new 4-inch diameter oil pipeline located along the Project Site's southern property boundary. However, this pipeline is not in use due to permitting issues.

According to Pacific Gas & Electric there are no 50 kV power lines or greater located within two miles of the Project Site. There is a 12kV distribution line located near the Project Site's eastern and southern property boundaries. Therefore, there are no CDE electric power line setback requirements for the Project Site.

A review of the Environmental Data Resources (EDR) Radius Map Report did not identify any facilities in the database records search located within a one-mile radius of the Project Site that present a REC to the Project Site.

Based on the agricultural use of the Project Site, as well as the potential presence of an historic oil-gas well drilling sump that may contain crude oil and drilling mud associated with oil field activities, it is Padre's opinion that the California Department of Toxic Substances Control (DTSC) will require the completion of a Preliminary Environmental Assessment (PEA) for a proposed school site.



## 1.0 INTRODUCTION

Padre Associates, Inc. (Padre), on behalf of Santa Maria Joint Union High School District, completed a Phase I environmental site assessment (ESA) and Title V environmental hazards evaluation for a New Alternative High School site located at 1280 Founders Avenue, Santa Maria, Santa Barbara County, California (Project Site). The Project Site is identified on **Plate 1 - Site Location Map** and **Plate 2 – Site Plan**.

The objective of the ESA was to determine whether current or previous land use at or adjacent to the Project Site may have involved, or resulted in the use, storage, disposal, treatment, and/or release of hazardous substances to the environment. The ESA was completed consistent with the American Society for Testing and Materials (ASTM) Standard Practice for Environmental Site Assessments (E-1527-13).

To achieve the objective of the ESA, the following tasks were completed:

- A review of readily available geologic and hydrogeologic literature;
- Historical research including a review of historical aerial photographs; Sanborn Fire Insurance Maps, and historical topographic maps relating to the Project Site;
- A site reconnaissance of the Project Site and properties within a ½ mile;
- Interviews with knowledgeable persons;
- Public agency records review;
- An environmental database search;
- Performing all appropriate inquiries (AAs);
- Identifying recognized environmental conditions (RECs); and
- Identifying historical recognized environmental conditions (HRECs);
- Identifying control recognized environmental conditions (CRECs), including activity and use limitations (AULs);
- Identifying vapor migration environmental conditions (VEC); and
- The preparation of this report presenting the results of the ESA.

### **Definitions:**

*Recognized Environment Conditions (RECs)* - the presence or likely presence of any hazardous substances or petroleum products in, on, or at the property: (1) due to any release to the environment; (2) under conditions indicative of a release to the environment; or (3) under conditions that pose a material threat of future release to the environment. De minimis conditions are not recognized environmental conditions.

*Historic Recognized Environment Conditions (HRECs)* - a past release of any hazardous substances or petroleum products that has occurred in connection with the property and has been addressed to the satisfaction of the applicable regulatory authority or meeting unrestricted use criteria established by a regulatory authority or meeting unrestricted use criteria established by a regulatory authority, without subjecting the property to an require controls (ie., property use restrictions, activity and use limitations, institutional controls and engineering controls).

*Controlled Recognized Environment Conditions (CRECs)* - a recognized environmental condition resulting from a past release of hazardous substances or petroleum products that has been addressed to the satisfaction of the applicable regulatory authority (for example, as evidence by the issuance of a no further action letter or equivalent, or meeting risk-based criteria established by regulatory authority), with hazardous substances or petroleum products allowed to remain in place subject to the implementation of required controls (ie., property use restrictions, activity and use limitations, institutional controls and engineering controls).

*Activity Use Limitations (AULs)* – legal or physical restrictions or limitations on the use of, or access to, a site or facility: (1) to reduce or eliminate potential exposure to hazardous substances or petroleum products in the soil, soil vapor, groundwater, and/or surface water on the property, or (2) to prevent activities that could interfere with the effectiveness of a response action, in order to ensure maintenance of a condition of no significant risk to public health or the environment.

*Migrate/Migration* – refers to the movement of hazardous substances or petroleum products in any form, including solid and liquid at the surface and subsurface, and vapor in the subsurface.

The environmental hazards evaluation consisted of completing a review of hazards as described in California Code of Regulations, Title V, Sections 14010 et seq. The environmental hazards evaluation will identify the presence and/or absence of the following:

- Facilities that might reasonably be anticipated to emit hazardous air emissions or hazardous materials handlers within a ¼-mile of the Project Site;
- High volume (≥12 inches) water pipelines on or near the Project Site;
- High pressure natural gas and/or liquid petroleum pipelines located within 1,500 feet of the Project Site;
- High voltage power transmission lines located within 500 feet of the Project Site and transformers of cell towers on or near the Project site;
- Airports located within 2-nautical miles of the Project Site;
- Railroad tracks located within 1,500 feet of the Project Site;
- Earthquake faults or traces on or near the site; and identify if the Project Site is located in an Alquist-Priolo Earthquake Fault Zone;
- Flood hazard and dam inundation;

- Water/fuel storage tanks on or near the Project Site; and
- Traffic corridor (freeway or other busy traffic corridor) located within 500 feet of the Project Site.

Six appendices are included with this report. Appendix A presents the assessor's parcel map and Flood Insurance Rate Map; Appendix B presents California Department of Conservation, Division of Oil, Gas, & Geothermal Resources (DOGGR) information; Appendix C presents historical aerial photographs, and topographic maps; Appendix D presents photographs of the Project Site at the time of the assessment; Appendix E presents the Project Site Questionnaire completed by the property owner; Appendix F presents the environmental database report obtained from EDR for the Project Site; and Appendix G presents the qualifications of the environmental assessor responsible for report preparation.

## 2.0 ENVIRONMENTAL SETTING

The following discussion summarizes the geologic, hydrogeologic, and other relevant data pertaining to the physical setting of the Project Site.

### 2.1 SITE LOCATION AND DESCRIPTION

The Project Site is located in Section 1, Township 9 North, Range 34 West, of the Santa Maria Quadrangle, California USGS 7½-Minute Series, Topographic Map, 1959 (photorevised 1982). Approximate latitude and longitude near the center of the Project Site are identified to be:

- Latitude (North) 34° 53' 20.7594" (34.8891)
- Longitude (West) -120° 24' 39.2394" (-120.4109)

The Project Site consists of approximately 25.32-acres of agricultural use property, identified by the County of Santa Barbara as Assessor's Parcel Number (APN): 107-150-013. A copy of the parcel map is presented in **Appendix A**.

### 2.2 TOPOGRAPHY AND DRAINAGE

Based on a review of the USGS 7.5-minute series topographic map Santa Maria Quadrangle, California, 1959 (photorevised 1982), the Project Site lies at an approximate elevation of 450 feet above mean sea level (msl) near the center of the Project Site. The overall topographic gradient for the surrounding area is to the northwest. The Project Site is undulating in nature, with storm water runoff generally directed toward a drainage basin located in the southwest corner of the Project Site.

Bradley Canyon Creek is located approximately 0.9 miles east of the Project Site and runs in a south-north direction. The Santa Maria River is located approximately 4.7 miles north of the Project Site and runs in an east-west direction. The Santa Maria River is formed at the confluence of the Sisquoc River and Cuyama River, just east of the City of Santa Maria, and

flows approximately 24.4 miles where it empties into the Pacific Ocean, near the City of Guadalupe.

## **2.3 GEOLOGY AND HYDROGEOLOGY**

The Project Site is situated within the Santa Maria Geologic Basin (Basin), in the southern portion of the Coast Range Geomorphic Province of California. The province is characterized by northwest-trending mountains and valleys located between the Great Valley of California and the Pacific Ocean. The Basin is bounded by the Nipomo Mesa to the north; the Temetatte Range of the Sierra Madre Mountains to the east; the Orcutt upland to the south, and the Pacific Ocean to the west (Norris & Webb, 1975).

Within the Basin is the Santa Maria Valley, which is bounded to the north by the San Rafael Mountains, and to the south by the Casmalia and Solomon Hills. The Santa Maria Valley occupies the northwestern part of Santa Barbara County and the extreme southwestern part of San Luis Obispo County. This area comprises the alluvial plans and adjoining terraces, foothills, and mountain slopes of the Santa Maria Valley and lower valley of the Sisquoc River. The Santa Maria River is formed by the convergence of the Cuyama and the Sisquoc Rivers at Fulger Point and flows westward across a broad alluvial plain, called the Santa Maria Plain to the sand dunes and ultimately the Pacific Ocean, a distance of approximately 20 miles. The Santa Maria basin is a significant hydrocarbon (i.e., oil and gas) producing coastal and off-shore basin in California (USGS Water-Supply Paper 1000, 1951).

According to the California Geological Survey Division of Mines and Geology, Geologic Map of the Santa Maria Sheet, 1:250,000 (1959), the Project Site is underlain by Quaternary (Recent) Dune Sand (Qs). The Dibble Geological Foundation Map #DF-51, Geologic Map of Santa Maria and Twitchell Dam Quadrangles (1994), identifies the Project Site is underlain by Quaternary Older Alluvium, wind deposited sand (Qos).

The USDA Soil Survey of Northern Santa Barbara Area, California, 1972, identifies the native soil type at the Project Site as Oceano Sand, 2 to 15 percent slopes (OcD). This excessively drained sandy soil formed in old coastal sand dunes. This soil is gently sloping to strongly sloping. It occurs on terrace-like sites in widely scattered areas within 20 miles of the coast. Permeability is rapid. Surface runoff is slow to medium, and the hazard of water erosion is moderate. The hazard of soil blowing is very high. Fertility is considered very low.

The Santa Maria River Valley Groundwater Basin consists of the upper most permeable portion of the Santa Maria Geologic Basin, consisting of unconsolidated plio-pleistocene alluvial deposits. Groundwater flows due west to west-northwest with a large gradient at the origin of the Santa Maria River, becoming more gently sloped as it approaches the Pacific Ocean. Groundwater elevation decreases from 280 feet msl at the eastern portion of the valley to 40 feet msl at the City of Guadalupe, which is located west of the City of Santa Maria (Luhdorff and Scalmanini, 2000). A review of the State Water Resources Control Board's GeoTracker website (<http://geotracker.waterboards.ca.gov>), identified groundwater assessment activities that were conducted for a facility located approximately 1.3 miles northwest of the Project Site. Reportedly the depth to first groundwater at the referenced site is approximately 45- to 50-feet

below ground surface (bgs) and flows in a northwest direction. The elevation of the referenced site (~280 feet above msl) is much lower than the Project Site (~450 feet above msl). Therefore, the depth to groundwater in the vicinity of the Project Site is anticipated to be greater than 50-feet bgs. Additionally, Padre completed groundwater assessment activities at a facility located approximately 1.25 miles north of the Project Site. The depth to groundwater at this facility was recorded at approximately 85- to 90-feet bgs at a site elevation of approximately 380 feet above msl.

## 2.4 FLOODPLAIN

According to the Federal Emergency Management Agency (FEMA) Flood Insurance Rate Map (*Community Panel Number: 06083C0195F, Effective: September 30, 2005*), the Project Site is located in Zone X – areas to be determined to be outside the 0.2% (500-year) annual chance floodplain. A copy of the FEMA Flood Insurance Rate Map is presented in **Appendix A**.

## 2.5 RADON

Radon is a colorless, odorless, tasteless, and radioactive gas that is produced as a natural decay product of uranium. Because of its radioactivity, studies have shown that at elevated concentrations there is a link between radon and lung cancer. Persons living in a building with elevated radon concentrations may have an increased risk of contracting lung cancer over a period of years.

The U.S. Environmental Protection Agency (U.S. EPA) recommends that action be taken to reduce radon levels in homes if levels are 4.0 pico curies per Liter (pCi/L) or higher. Radon levels below 4.0 pCi/L still pose a certain level of risk. Sections 307 and 309 of the Indoor Radon Abatement Act of 1988 (IRAA) directed the U.S. EPA to list and identify areas of the United States with the potential for elevated indoor radon levels. The U.S. EPA's Map of Radon Zones assigns each of the 3,141 counties in the U.S. to one of three zones based on radon potential:

- Zone 1 (red) counties have a predicted average indoor radon screening level greater than 4 pCi/L (highest potential);
- Zone 2 (orange) counties have a predicted average indoor radon screening level between 2 and 4 pCi/L (moderate potential);
- Zone 3 (yellow) counties have a predicted average indoor radon screening level less than 2 pCi/L (lowest potential).

According to the U.S. EPA map of California radon zones, Santa Barbara County is identified as a Zone 1 (red) county. Zone 1 counties have a predicted average indoor radon screening levels > 4 pCi/L. According to the State Radon Test Results for Zip Code 93454, where 34 radon tests were conducted, only two sites reported radon levels > 4 pCi/L.

The Zone 1 designation for Santa Barbara County is based on elevated radon levels associated with the Rincon Shale geologic formation. This rock unit is widely scattered across

southern Santa Barbara County, but is not present in the Santa Maria area (Santa Maria City, General Plan, 1995). Therefore, the potential for radon hazard is considered low to medium, and is dependent on building construction.

## 2.6 OIL AND GAS WELLS

The California Division of Oil, Gas, and Geothermal Resources (DOGGR) oversees the drilling, operation, maintenance, and plugging and abandonment of oil wells, natural gas wells, and geothermal wells. The DOGGR regulatory program emphasizes the wise development of oil, natural gas, and geothermal resources in the state of California through sound engineering practices that protect the environment, prevent pollution, and ensure public safety. Padre reviewed the available DOGGR online mapping system for the Project Site at the California Department of Conservation webpage (<http://www.conservation.ca.gov/dog>).

According to the DOGGR online database and interactive map, there is a plugged and abandoned former oil-gas well located at the Project Site. This well is referenced as American Petroleum Institute (API) number 08320574. Reportedly, this well produced oil for a period of only four months (January-April) in 1978. The well was then completed as a water/steam injection well that was reportedly in operation from 1978 to 1992. The well was abandoned in 2001. However, there is no record of well sump removal activity at the location of this well.

There are multiple oil-gas wells located north, northeast, and east of the Project Site. The nearest active oil-gas well (API No.08320662) is located approximately 1,100-feet northeast of the Project Site. This is an active oil-gas well that began producing in 1976. Most of the other wells located in the immediate area of the Project Site are idle or plugged and abandoned. A copy of the DOGGR well map and DOGGR well information is presented in **Appendix B**.

## 2.7 NATURALLY OCCURRING ASBESTOS (NOA)

Asbestos is a naturally occurring silicate mineral of the amphibole group that has historically been utilized for a variety of purposes including fireproofing, due to its fibrous nature, which allowed it to be woven into cloth and formed into various types of construction material. Asbestos is a known carcinogen. According to the California Department of Conservation, Division of Mines and Geology, Open-File Report 2000-19, dated August 2000, natural occurrences of asbestos are more likely to be encountered in, and immediately adjacent to, areas of ultramafic rocks (igneous and metamorphic rocks with high iron and magnesium contents).

According to the California Geological Survey Division of Mines and Geology, Geologic Map of the Santa Maria Sheet, 1:250,000 (1959), Mesozoic ultrabasic intrusive rock outcrops are mapped approximately 9.2 miles southwest of the Project Site. However, these outcrops are not located within the drainage pattern of the Project Site. Therefore, the potential for the presence of NOA at the Project Site from weathering and deposition of ultrabasic rock outcrops is considered low.

### 3.0 HISTORICAL SITE CONDITIONS

Based on a review of readily available historical information, Padre has compiled the following history of the Project Site. The earliest documentation reviewed for site usage was a historical topographic map dated 1948, and a historical aerial photograph dated 1938. Copies of historical aerial photographs and topographic maps are presented in **Appendix C**.

#### 3.1 HISTORICAL AERIAL PHOTOGRAPHS

Padre reviewed readily available aerial photographs of the Project Site and the surrounding area obtained from EDR for the years 1938, 1943, 1954, 1967, 1975, 1989, 1994, 2005, and 2010. The information is summarized below.

- 1938** The 1938 photograph shows the Project Site and surrounding area to be undeveloped. U.S. Highway 101 (Hwy 101) is present to the southwest.
- 1943** The 1943 photograph shows the Project Site and surrounding areas to exist similar to the 1938 photograph.
- 1954** The 1954 photograph shows the Project Site and surrounding areas to exist similar to the 1943 photograph. Although the east side of the Project Site and surrounding area is cut off in the photo.
- 1967** The 1967 photograph shows the Project Site to be undeveloped. An unimproved road runs west from a frontage road to Hwy 101 to the approximate middle of the Project Site's west property boundary. A commercial building is present just south of this road adjacent to the Hwy 101 frontage road. What appears to be oil well activity is present southeast of the Project Site. Hwy 101 has been redirected to north and includes the current off-ramp/on-ramp configuration.
- 1975** The 1975 photograph shows the Project Site with what appears to be oil well activity near the center of the western property boundary. An unimproved road runs from the southern property boundary north to the well site. There is also an unimproved road that runs west to east along the southern property boundary and continues eastward onto the adjacent property. Oil well activity is present in surrounding areas to the north and east.
- 1989** The 1989 photograph shows the Project Site to exist similar to the 1975 photograph, with the unimproved road continuing across the north portion of the property and splitting in two roads, which both exit the property. There has been significant site grading on the adjacent property to the west. There is also significant oil field activity on the lands located further out to the east. Significant residential development has occurred west of Hwy 101.
- 1994** The 1994 photograph shows the Project Site and surrounding areas to exist similar as the 1989 photograph.

**2005** The 2005 photograph indicates that the Project Site's previously identified well site has been removed. Significant site development has occurred on the adjacent property to the south, which is now referred to as the Santa Maria Elk's Rodeo facility.

**2010** The 2010 photograph shows the Project Site planted in row or field crops. The surrounding areas appear to be similar to the 2005 photograph.

### **3.2 UNITED STATES GEOLOGICAL SURVEY TOPOGRAPHIC MAPS**

Padre obtained historical topographic maps published by the USGS for the vicinity of the Project Site. Historical topographic maps dated 1948, 1959, 1967, 1974, and 1982 were reviewed. A summary of the information presented on each map is presented below.

**1948** The 1948 map shows the Project Site and surrounding areas to be undeveloped. U.S. Highway 101 (Hwy 101) is present further out to the west southwest, and the Santa Maria Valley Oil Fields are present further out to the north.

**1959** The 1959 map shows the Project Site and surrounding areas as undeveloped, with the exception of an unimproved road located east of the Project Site and running north-south. To the south the unimproved road leads to a water well.

**1967** The 1967 map shows the Project Site and adjacent properties similar to the 1959 map, with the exception that Hwy 101 has been re-routed to the north directly west of the Project Site. A building is present southwest of the Project Site adjacent to Hwy 101.

**1974** The 1974 map shows the Project Site containing one well, and several wells present at the adjacent property located to the east and southeast. An unimproved road extends from west to east along the southern boundary of the Project Site. An extension of the road extends northward adjacent to the onsite well.

**1982** The 1982 map shows the Project Site and adjacent properties to be similar to the 1974 map, with the addition of unimproved roads transecting the surrounding area from one well site to another.

### **3.3 HISTORICAL SANBORN FIRE INSURANCE MAPS**

The complete Sanborn Library collection was searched by EDR for the Project Site. According to EDR, fire insurance maps covering the target property were not found.

### **3.4 CITY DIRECTORIES**

EDR searched select national repositories of business directories. City, cross reference, and telephone directories were reviewed at five year intervals for the years spanning 1959



through 2013. Sources researched included Cole Information Services, and Polk's City Directory. There were no listings for Founders Avenue. The Polished Pet is listed at 3850 U.S. Highway 101, which is located adjacent and west of the Project Site, and is listed for the years 1999 through 2013.

### **3.5 ENVIRONMENTAL LIENS**

Padre reviewed the EDR Environmental Lien and activity use limitations (AULs) search report of available current land title records for environmental cleanup liens and other AULs such as engineering controls and institutional controls. The legal current owner for APN 107-150-013 is the International Church of Foursquare Gospel. The previous property owner was Capco Acquisub, Inc., a Colorado Corporation. The Grant Deed is dated February 01, 2000 and recorded March 16, 2000. No environmental liens or AULs were identified for the Project Site.

### **3.6 EXISTING ENVIRONMENTAL REPORTS**

Padre was not provided with, nor did it identify the presence of existing environmental reports for the Project Site, and/or adjacent properties. Information from the DOGGR website is regarding the onsite plugged and abandoned oil-gas well is discussed in Section 2.6 of this report.

## **4.0 CURRENT SITE CONDITIONS**

The current site conditions were assessed to determine current activities and hazardous substances handling and storage at the Project Site.

### **4.1 SITE RECONNAISSANCE**

On May 16, 2014 Mr. Alan J. Klein of Padre performed a site reconnaissance of the Project Site and surrounding area. The Project Site consist of planting rows covered with plastic sheeting, and a drip irrigation system. The planned strawberry crop had not been planted at the time of the Padre's site reconnaissance. A large stormwater detention basin is located at the southwest corner of the Project Site. There are no building structures located on the Project Site, and no chemical storage and/or use was observed at the Project Site. A trailer mounted diesel fuel tank (approximately 500-gallons) was located along the Project Site's southern property boundary. This appears to have been associated with a piece of earth moving equipment (grader) that was staged at the southwest corner of the Project Site.

The Project Site is bordered to the north by agricultural property currently used for the production of blackberries; to the east by agricultural property currently used for the production of strawberries, beyond which is the Greka Oil and Gas Company oil field facility consisting of several oil-gas wells, associated piping, and aboveground storage tanks; to the south by the Santa Maria Elks Rodeo facility; and to the west by undeveloped/grazing land, beyond which is the Polished Pet Grooming and Kennel facility (commercial business), and U.S. Highway 101. Photographs taken during the course of the site visit are presented in **Appendix D**.

## **4.2 ASBESTOS-CONTAINING MATERIALS**

Padre did not conduct a comprehensive Asbestos-Containing Materials (ACM) survey as part of this Phase I ESA. Properties with residential and/or commercial structures constructed before 1976 may potentially contain ACM. The mitigation and management of ACM is currently regulated by several federal, state, and local agencies.

Padre did not identify the presence of current and/or historic building structures located at the Project Site. Therefore, the potential for ACM at the Project Site from building materials is not considered a REC.

## **4.3 LEAD-BASED PAINT**

Properties containing structures with paint or surface coatings, with the exception of residential structures constructed on or after January 1, 1979 or schools constructed prior to January 1, 1993, may have surfaces coated with lead-based paint. Weathering, scraping, chipping, and abrasion may cause lead to be released to and accumulate in soil around these structures. Therefore, the California Department of Toxic Substances Control (DTSC) School Property Evaluation and Cleanup Division recommends the collection of soil samples to determine if the potential presence of residual lead soil contamination poses a threat to human health and the environment.

Padre did not identify the presence of current and/or historic building structures located at the Project Site. Therefore, the potential for residual lead in soil from weathering of lead-based paint at the Project Site is not considered a REC.

## **4.4 POLYCHLORINATED BIPHENYLS**

Padre did not conduct a comprehensive polychlorinated biphenyls (PCBs) survey as part of this Phase I ESA. PCBs have been used as coolants and lubricants in electrical transformers, capacitors, and other electrical equipment because they do not burn easily and are good insulators. The manufacture of PCBs was stopped in the U.S. in 1977. Products made before 1977 that may contain PCBs include old fluorescent lighting fixtures and electrical devices containing PCB capacitors, and old microscope and hydraulic oils.

There are no current building structures or historic structures located on the Project Site. During the site reconnaissance on May 16, 2014, Padre did not identify the presence of any pole-mounted and/or pad-mounted electrical transformers on or adjacent to the Project Site. Therefore, the potential for PCBs to be present in soil at the Project Site from historical building structures and/or electrical transformers is not considered a REC.

## **4.5 TERMITICIDES**

Organochlorine pesticides (OCPs) were commonly used as insecticides for termite control around structures and typically applied surficially to soil surrounding foundations and injected into the soil in an effort to isolate wood structures from termite nests. Chlordane was used in the United States from 1948 until 1988, when it was banned by the United States

Environmental Protection Agency (U.S. EPA). Because of evidence of human exposure and accumulation in body fat, as well as persistence in the environment and effects on wildlife, the U.S. EPA prohibited the use of chlordane in 1988.

DTSC conducted an investigation of three proposed school sites in southern California with residential structures to evaluate the presence and prevalence of chlordane and other OCPs as a result of termiticide application. Additionally, DTSC investigated OCPs from termiticide application at residential properties proposed for school sites in various counties throughout California. The results of the study indicated that it is likely that significant concentrations of OCP residues may exist around structures with wood components built prior to January 1, 1989, and should be evaluated at school sites.

However, Padre did not identify the presence of current and/or historic building structures located at the Project Site. Therefore, the potential for residual pesticides in soil from direct application of termiticides at the Project Site is not considered a REC.

#### **4.6 PROPERTY OWNER QUESTIONNAIRE**

A Project Site environmental questionnaire was completed by Ms. Janet Wheeler with International Church of the Foursquare Gospel (property owner), on May 14, 2014. According to Ms. Wheeler, the property was purchased in March 2000 from Capco Acquisub. The current use of the property is agriculture. Farming (crop production) has occurred onsite since June 2006. Prior to 2006 the property was used for cattle grazing. The property owner is unaware of any former building structures and or water wells located onsite. A historic injection well associated with oil field activities was abandoned in April 2000 by Greka Energy. The property is currently leased to a farmer. Pesticide use at the property is reported to Santa Barbara County. A copy of the completed project site environmental questionnaire is presented in **Appendix E**.

#### **4.7 SURROUNDING PROPERTIES**

The Project Site is bordered to the north by agricultural property currently used for the production of blackberries; to the east by agricultural property currently used for the production of strawberries, beyond which is the Greka Oil and Gas Company oil field facility consisting of several oil-gas wells, associated piping, and aboveground storage tanks; to the south by the Santa Maria Elk's Rodeo facility; and to the west by undeveloped/grazing land, beyond which is the Polished Pet Grooming and Kennel facility (commercial business), and U.S. Highway 101.

#### **5.0 ENVIRONMENTAL RECORDS REVIEW AND TITLE V HAZARDS EVALUATION**

Padre contacted the regulatory agencies in the region to determine if soil and groundwater contamination is known or suspected at or near the Project Site. Regulatory agency databases were obtained from EDR for the Project Site and properties within one mile.

## **5.1 PUBLIC RECORDS REVIEW AND AGENCY CONTACTS**

Padre contacted the following local agencies for information concerning environmental complaints, accidents, or spills on or in the vicinity of the Project Site and for safety concerns related to school sites in California.

### **5.1.1 Santa Barbara County Air Pollution Control District**

Padre contacted the Santa Barbara County Air Pollution Control District (SBCAPCD) with a public information request regarding facilities located within a ¼-mile radius of the Project Site, which might reasonably be anticipated to emit hazardous air emissions. According to Ms. Paula Lorio, Air Quality Permit Technician with SBCAPCD, no permitted facilities were identified within a ¼-mile radius of the Project Site.

### **5.1.2 Santa Barbara County Agricultural Commissioner's Office**

Padre reviewed the Santa Barbara County Agricultural Commissioner's Office online database for available pesticide use reports (PURs). The Project Site represents a portion of the farming operation referred to as Ranch 05. The listed commodity is "Strawberries", and there are PURs for the years 2009 through 2013. The majority of the chemicals listed for application to the ground are fungicides, miticides and herbicides. There are no PURs for the Project Site for the years 2006, 2007, and 2008.

### **5.1.3 City of Santa Maria, Public Works Department**

Padre contacted the City of Santa Maria Public Works Department with a public information request regarding the presence of high volume water pipelines (≥12 inch diameter) located on or adjacent to the Project Site. According to Mr. Shad Springer, Principal Civil Engineer with the City of Santa Maria, there are no high volume water pipelines or pressurized sewer pipelines on or adjacent to the Project Site.

### **5.1.4 High Pressure Natural Gas and Fuel Transmission Pipelines**

According to the U.S. DOT PHMSA website ([www.npms.phmsa.dot.gov](http://www.npms.phmsa.dot.gov)), there are no hazardous liquid pipelines and/or natural gas transmission pipelines located within 1,500 feet of the Project Site.

According to Pacific Gas and Electric (PG&E) the Santa Maria area is not located with PG&E's natural gas service territory.

Southern California Gas Company/Sempra Utilities did not respond to Padre's public information request at the time of this report submittal. When this information will be presented under separate cover by Padre.

According to the Greka Oil and Gas Company there is a 6-inch diameter natural gas pipeline (NGP) located approximately 1,350-feet north of the Project Site. This NGP reportedly operates at 10 to 20 psig. There are two 4-inch diameter pipelines located along Founders

Avenue, which transects the southwest corner of the Project Site. One pipeline is designed to transport natural gas and the other pipeline is designed to transport oil. Both of these pipelines are new, but are not in use due to permitting issues.

### **5.1.5 High Voltage Electric Power Lines**

In consultation with the State Department of Health Services (DHS) and electric power companies, CDE has established the following limits for locating any part of a school site property line near the edge of easements for high-voltage power transmission lines:

- 100-feet from the edge of an easement for a 50-133 kilovolt (kV) line;
- 150-feet from the edge of an easement for 220-230 kV line; and
- 350 feet from the edge of an easement for a 500-550 kV line.

According to Mr. Michael Allen with PG&E, there are no 50 kV lines or greater located within 2 miles of the Project Site. There is a 12kV distribution line located near the Project Site's eastern and southern property boundaries. Therefore, there are no CDE electric powerline setback requirements for the Project Site.

### **5.1.6 Airports**

Padre reviewed the California Department of Transportation (DOT), Division of Aeronautics database; the USGS topographic maps, Santa Maria Quadrangle, California, 1982; and the Google Earth satellite image dated April 18, 2013. According to these sources, the Santa Maria Public Airport District is located approximately 1.62 nautical miles west of the Project Site.

### **5.1.7 Railroads**

Padre reviewed the USGS topographic map, Santa Maria Quadrangle, California, 1982; and the Google Earth satellite image dated April 18, 2013; and conducted a site reconnaissance of the surrounding area to identify the presence of railroad tracks within a 1,500-foot radius of the Project Site. Padre did not identify the presence of railroad tracks within 1,500-feet of the Project Site.

### **5.1.8 Earthquake Fault Zones**

In 1972 the State of California passed the Alquist-Priolo Earthquake Fault Zoning Act (AP Act) to mitigate the hazard of surface faulting to structures utilized for human occupancy. The AP Act's primary purpose is to prevent the construction of buildings used for human occupancy on the surface trace of active faults. The AP Act defines three categories of fault activity; active (demonstrated movement within the last 11,000 years), potentially active (movement within the past 11,000 to 2,000,000 years), and inactive (no movement within the past 2,000,000 years).

Since 1972 the California Geological Survey (CGS, formerly the California Division of Mines and Geology) has issued a series of 1"=2,000' scale maps delineating Earthquake Fault Zones (EFZs). Structures proposed within mapped EFZs require geologic investigations to demonstrate that the structures will not be constructed across active faults. If an active fault is identified within the boundaries of the Project Site, the proposed structures must be set back from the EFZ, generally a distance of 50 feet on either side of the identified fault location. The CGS mapping program is ongoing, and areas not currently identified as being within an EFZ may be included at some later time.

According to Earthquake Fault Zone (EFZ) maps issued by the California Geological Survey (CGS, formerly the California Division of Mines and Geology), the Project Site is not located within the boundaries of an Alquist-Priolo Earthquake Fault Zone, and no active faults are known to cross the site (Jennings 2010).

#### **5.1.9 Dam Inundation**

For planning purposes, the California Office of Emergency Services (OES), with information from the U.S. Army Corps of Engineers (USACE), U.S. Bureau of Reclamation (USBR) and the Department of Water Resources (DWR), has the responsibility to provide local governments with critical hazard response information, including flooding from dam inundation. Catastrophic failure of dams is rare, and is most likely to occur following significant seismic events.

Twitchell Dam is located approximately 8.15 miles northeast of the Project Site. Twitchell Dam is an earthfill structure, with a height of 241 feet. The dam regulates flows along the lower reaches of the Cuyama River and impounds surplus flows for release in dry months to help recharge the ground-water reservoir underlying Santa Maria Valley. According to the OES Inundation Map of Twitchell Dam dated December 1975, the Project Site would not be impacted by flood waters from the dam failure.

#### **5.1.10 Aboveground Water and/or Fuel Storage Tanks**

During the Padre site reconnaissance conducted on May 16, 2014, no aboveground water and/or aboveground fuel storage tanks were observed at or adjacent to the Project Site. There are several oil field related aboveground tanks located approximately 1,500-feet east of the Project Site.

#### **5.1.11 Traffic Corridor**

Padre reviewed the USGS topographic map, Santa Maria Quadrangle, California, 1982; and the Google Earth satellite image dated April 18, 2013; and conducted a site reconnaissance of the surrounding area to identify the presence of busy traffic corridors such as highways, freeways, and/or expressways located within 500-feet of the Project Site. No busy traffic corridors were identified within 500-feet of the Project Site. U.S. Highway 101 is located approximately 980-feet southwest of the Project Site.

A summary of the Title V environmental hazards evaluation is presented in **Table 1**.

**Table 1 – Title V Environment Hazards Summary**

Site Identification	Power Lines within 350-ft or Cell Towers on or near the site	Railroad tracks within 1500-ft	Earthquake Fault Zone (EFZ)	Flood Hazard	Dam Inundation	Large aboveground water/fuel tanks
New Alternative High School	No	No	No	No	No	No
Site Identification	Natural Gas pipeline(s) (>80 psig)	Hazardous Liquid Pipeline(s)	High Volume Water Pipeline(s) (≥12-inches),	Freeway or other busy traffic corridor within 500-ft	Facilities with hazardous air emissions within 1/4 mile	Airports within 2-nautical miles
New Alternative High School	No	No <sup>(1)</sup>	No	No	No <sup>(2)</sup>	Yes

Notes:

Yes – Additional studies/information will/may be required by CDE.

No – Additional studies do not appear necessary.

(1) – New oil pipeline located along southern property boundary (not in use).

(2) – Oil Field Activities are located approximately 1,000- to 1,500-feet east of the Project Site.

**5.2 ENVIRONMENTAL DATABASE INFORMATION**

Padre obtained environmental agency database information from EDR. The EDR report is included as **Appendix F**. The databases were reviewed to identify registrations and documented environmental incidents regarding the site and nearby properties within a one mile radius of the Project Site. Padre also attempted to locate unplotable sites that EDR did not locate because of incomplete or incorrect address information. The following sections summarize our findings.

### **5.2.1 National Priorities List - Federal Superfund**

The National Priorities List is a U.S. Environmental Protection Agency (U.S. EPA) listing of private, state, and federally owned sites which have been included on the federal Superfund list for remediation.

- Neither the Project Site nor properties located within a 1-mile radius are identified on the National Priorities List.

### **5.2.2 U.S. EPA Comprehensive Environmental Response, Compensation, and Liability Information System (CERCLIS)**

The U.S. EPA's CERCLIS Listings are a compilation of sites that have been brought to the attention of the U.S. EPA, through various means, as being possible sites of hazardous waste activity. The CERCLIS listings are an information database and not necessarily an action list.

- Neither the Project Site nor properties located within a ½-mile radius of the Project Site are identified on the CERCLIS List.

### **5.2.3 RCRA-TSDF Listing**

The U.S. EPA's Resource Conservation and Recovery Act (RCRA) Program identifies and tracks hazardous waste from the point of generation to the point of disposal. The RCRA-Transportation, Storage, and Disposal Facilities (TSDF) database is a compilation by the U.S. EPA of reporting facilities that transport, treat, store, or dispose of hazardous waste.

- Neither the Project Site nor properties located within a ½-mile radius of the Project Site are identified on the RCRA-TSDF List.

### **5.2.4 RCRA - LQG's List**

The U.S. EPA's RCRA Program identifies and tracks large quantity generators (LQG's). LQG's generate over 1,000 kilograms (kg) of hazardous waste, or over 1 kg acutely hazardous waste per month.

- Neither the Project Site nor properties located within a ¼-mile radius of the Project Site are identified on the RCRA-LQG's List.

### **5.2.5 RCRA - SQG's List**

The U.S. EPA's RCRA Program identifies and tracks small quantity generators (SQG's). SQG's generate between 100 kg and 1,000 kg of hazardous waste per month.

- Neither the Project Site nor properties located within a ¼-mile radius of the Project Site are identified on the RCRA-SQG's List.



### **5.2.6 Emergency Response Notification System**

The Emergency Response Notification System (ERNS) contains records on releases of oil and hazardous substances reported to the U.S. EPA and National Response Center of the U.S. Coast Guard.

- The Project Site is not identified on the ERNS List.

### **5.2.7 RCRA-CORRACTS Facilities Listing**

The U.S. EPA's Resource Conservation and Recovery Act (RCRA) Corrective Action Sites Listing contains information pertaining to hazardous waste treatment, storage, and disposal facilities (RCRA TSD) which have conducted, or are currently conducting, a corrective action(s) as regulated under RCRA.

- Neither the Project Site nor properties located within a 1-mile radius are identified on the RCRA-CORRACTS List.

### **5.2.8 CA SWF/LF Listings**

State and Tribal; landfill and/or solid waste disposal site listings. The Solid Waste Facility/Landfill facility (SWF/LF), solid waste information system (SWIS) maintains records of active, closed and inactive landfills.

- Neither the Project Site nor properties located within a ½-mile radius are identified on the SWF/LF List.

### **5.2.9 UST Listings**

USTs are regulated under Subtitle I of RCRA and must be registered with the state department responsible for administering the UST program. In California, the State Water Resources Control Board has compiled a listing of UST sites. Active UST facilities lists are gathered from local regulatory agencies.

- Neither the Project Site nor properties located within a ¼-mile radius are identified on the UST List.

### **5.2.10 Historical UST**

The Hazardous Substance Storage Container Database is a historical listing of UST sites, and is maintained by the California State Water Resources Control Board.

- Neither the Project Site nor properties located within a ¼-mile radius are identified on the Historic UST List.

### **5.2.11 CA FID UST**

The California Facility Inventory Database (CA FID) UST contains a historical listing of active and inactive underground storage tank locations from the State Water Resources Control Board.

- Neither the Project Site nor properties located within a ¼-mile radius are identified on the CA FID UST List.

#### **5.2.12 Leaking Underground Storage Tank List**

The California Regional Water Quality Control Board is the agency with jurisdiction over leaking underground storage tanks (LUSTs) in the region of the site.

- Neither the Project Site nor properties located within a ½-mile radius are identified on the LUST List.

#### **5.2.13 AST List**

The Aboveground Storage Tank (AST) lists facilities with registered aboveground petroleum storage tanks, compiled by the State Water Resources Control Board (SWRCB).

- Neither the Project Site nor properties located within a ¼-mile radius are identified on the AST List.

#### **5.2.14 US Eng Controls List**

The US Engineering Controls list consists of sites with engineering controls in place that 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.

- Neither the Project Site nor properties located within a ½-mile radius are identified on the US ENG Controls List.

#### **5.2.15 US Inst Controls List**

The US Institutional Controls list consists of sites with institutional controls in place that 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 onsite. Deed restrictions are generally required as part of the institutional controls.

- Neither the Project Site nor properties located within a ½-mile radius are identified on the US INST Controls List.

#### **5.2.16 Historic Cal-Sites List**

The State of California Historic Cal-Sites database contains potential or confirmed hazardous substance release properties. In 1996, the California Environmental Protection Agency reevaluated and significantly reduced the number of sites in the Cal-sites database.

- Neither the Project Site nor properties located within a 1-mile radius are identified on the Historic Cal-sites List.

### **5.2.17 WMUD/SWAT List**

The Waste Management Unit Database System (WMUDS) is used by the State Water Resources Control Boards for program tracking and inventory of waste management units. The Solid Waste Assessment Test Program (SWAT) is a database maintained by the California Water Resources Control Board for information on the ground water monitoring of sanitary landfills.

- Neither the Project Site nor properties located within a ½-mile radius are identified on the WMUDS/SWAT List.

### **5.2.18 California Hazardous Materials Incident Reporting System**

The California Hazardous Materials Incident Reporting System (CHMIRS) is maintained by the California Office of Emergency Services (OES) and contains information on reported hazardous materials accidental releases or spills.

- The Project Site is not identified on the CHMIRS List.

### **5.2.19 Proposition 65 Notification Records**

Proposition 65 Notification Records database (Notify 65) contains facility notification about any releases which could impact drinking water and thereby expose the public to a potential health risk.

- Neither the Project Site nor properties located within a 1-mile radius are identified on the Notify 65 list.

### **5.2.20 CERCLIS-NFRAP List**

The Comprehensive Environmental Response, Compensation, and Liability Information System - No Further Remedial Action Planned (CERCLIS-NFRAP) database is a list of sites that were removed CERCLIS in 1995. These sites may have been removed due to the following: after an initial investigation no contamination was found; contamination was removed quickly without the need to place the site on the NPL; or the contamination was not serious enough to require Federal Superfund action or NPL consideration. This policy change is part of the EPA's Brownfields Redevelopment Program to help cities, states, private investors and affected citizens to promote economic redevelopment of unproductive urban sites.

- Neither the Project Site nor properties located within a ½ -mile radius of the Project Site are identified on the CERCLIS-NFRAP List.

### **5.2.21 Voluntary Cleanup Program List**

The Voluntary Cleanup Program database is maintained by the Department of Toxic Substances Control (DTSC). The VCP database contains low threat level properties with either confirmed or unconfirmed releases and the project proponents have requested that DTSC

oversee the investigation and/or cleanup activities and have agreed to provide coverage for DTSC's Costs.

- Neither the Project Site nor properties located within a ½-mile radius are identified on the VCP list.

#### **5.2.22 Hazardous Waste Information System**

The Hazardous Waste Information System (HAZNET) database is developed from copies of hazardous waste manifests required for proper disposal of wastes and received each year by the Department of Toxic Substances Control (DTSC).

- The Project Site is not identified on the HAZNET List.

#### **5.2.23 California SLIC Program**

The California SLIC (Spills, Leaks, Investigations, and Cleanup) is designed to protect and restore water quality from spills, leaks and similar discharges. The database is maintained by the State Water Resources Control Board (SWRCB).

- The Project Site is not identified on the CA SLIC List; and
- One property located within a ½-mile radius of the Project Site is identified on the SLIC List.

A FEDEX Semi Truck Accident occurred on August 28, 2003. Diesel fuel was spilled to the ground surface. An assessment, cleanup and removal of contaminated soil was completed in December 2004. The County of Santa Barbara, Fire Department, Hazardous Materials Division submitted a Site Closure Letter for SMU Site #457 on March 24, 2010.

#### **5.2.24 ENVIROSTOR List**

The Department of Toxic Substances Control (DTSC) Site Mitigation and Brownfields Reuse Program (SMBRPs) maintain a database that identifies sites that have known contamination or sites for which there may be reasons to investigate further.

- Neither the Project Site nor properties located within a 1-mile radius of the Project Site are identified on the Envirostor Database.

## **6.0 CONCLUSIONS AND RECOMMENDATIONS**

Based on the results of the scope of services performed for this Phase I ESA and Title V Environmental Hazards Evaluation, Padre makes the following conclusions and recommendations regarding the Project Site:

The Project Site consists of approximately 25.32-acres of agricultural use property, identified by the County of Santa Barbara as APN 107-150-013. The Project Site is currently used for crop production (strawberries), and has been since approximately 2006. Prior to 2006 the property was used for cattle grazing. There is a plugged and abandoned former oil-gas well

located at the Project Site. Reportedly, this well produced oil for only four months (January-April) in 1978. The well was then completed as a water/steam injection well that was reportedly in operation from 1978 to 1992. The well was abandoned in 2001, and there is no record of well sump removal activity at the location of the well.

The Project Site is bordered to the north by agricultural property currently used for the production of blackberries; to the east by agricultural property currently used for the production of strawberries, beyond which is the Greka Oil and Gas Company oil field facility consisting of several oil-gas wells, associated piping, and aboveground storage tanks; to the south by the Santa Maria Elks Rodeo facility; and to the west by undeveloped/grazing land, beyond which is the Polished Pet Grooming and Kennel facility (commercial business), and U.S. Highway 101.

According to the U.S. DOT PHMSA website ([www.npms.phmsa.dot.gov](http://www.npms.phmsa.dot.gov)), there are no hazardous liquid pipelines and/or natural gas transmission pipelines located within 1,500 feet of the Project Site. According to Greka Oil and Gas there are no natural gas pipelines that operate at >80 psig located within 1,500 feet of the Project Site. There is a new 4-inch diameter oil pipeline located along the Project Site's southern property boundary. However, this pipeline is not in use due to permitting issues.

Based on the agricultural use of the Project Site, as well as the potential presence of an historic oil-gas well drilling sump that may contain crude oil and drilling mud associated with oil field activities, it is Padre's opinion that the Department of Toxic Substances Control (DTSC) will require the completion of a Preliminary Environmental Assessment (PEA) for a proposed school site.

## 7.0 LIMITATIONS

This report has been prepared for the sole benefit of the Santa Maria Joint Union High School District, the California Department of Education, and the California Department of Toxic Substances Control. No other persons may rely on the findings of this report without the expressed written consent of Santa Maria Joint Union High School District and Padre Associates, Inc.

In performing our professional services, we have attempted to apply present engineering and scientific judgment and use a level of effort consistent with the standard of practice measured on the date of work and in locale of the project site for similar type studies. Padre Associates, Inc. makes no warranty, express or implied.

The analyses and interpretations presented in this report have been developed based on the results from the review of existing information pertaining to the Project Site.

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Santa Maria City of, Public Works Department.

Southern California Gas Company, Transmission and Distribution Departments.

Santa Barbara County, Air Pollution Control District, Paula Iorio, Air Quality Permit Technician.

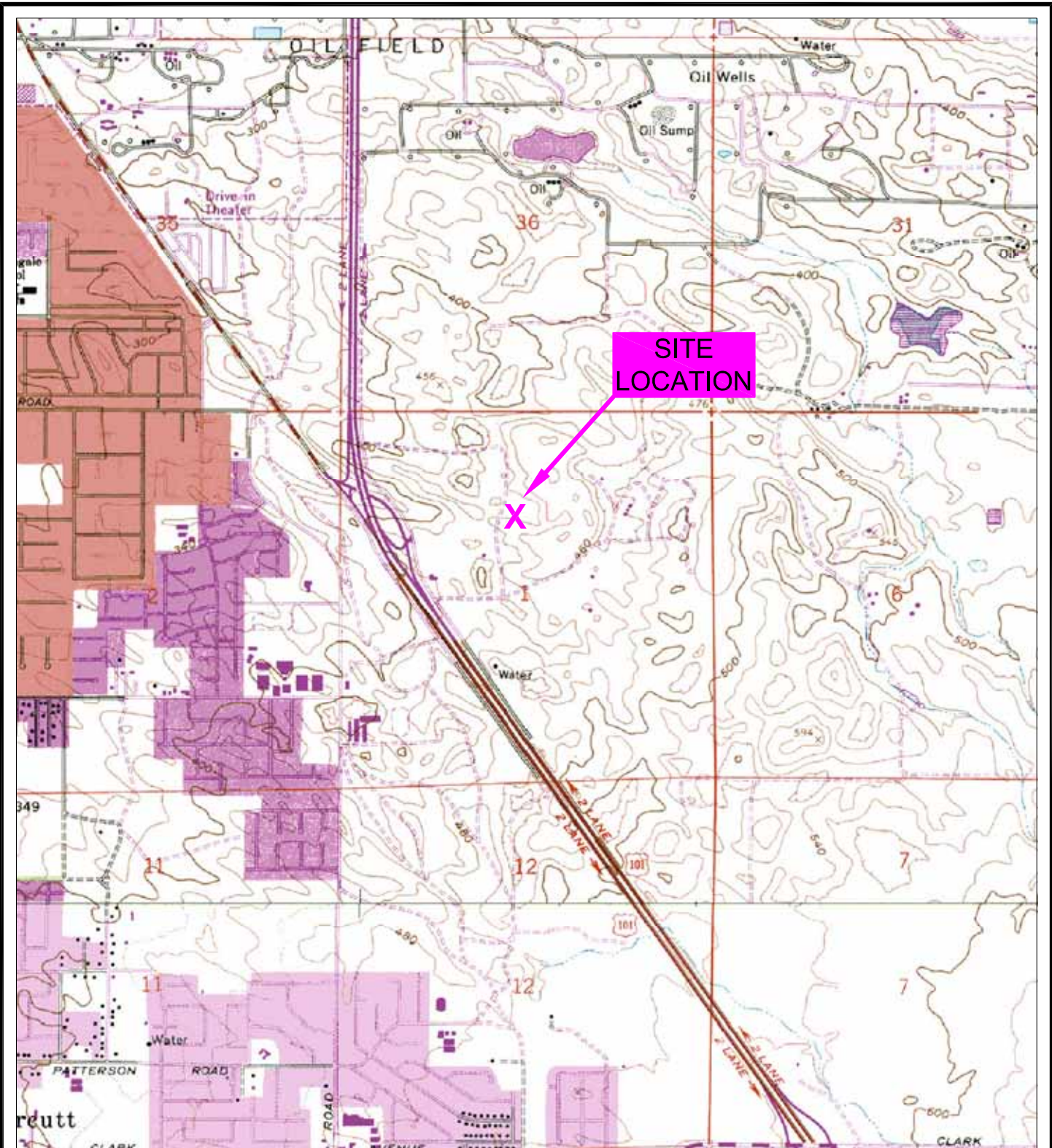
Santa Barbara County, Agricultural Commissioner, <http://www.countyofsb.org/agcomm/>.

United State Department of Agriculture, Soil Conservation Service, Soil Survey of Northern Santa Barbara Area, California, July 1972.

United States Geological Survey; Santa Maria Quadrangle, California, Topographic Map, 1959 (photorevised 1982).

## PLATES





U.S.G.S. 7.5 MINUTE QUADRANGLE  
 SANTA MARIA, CA 1959 (PHOTOREVISED 1982)



**padre**  
 associates, inc.  
 ENGINEERS, GEOLOGISTS &  
 ENVIRONMENTAL SCIENTISTS

NEW ALTERNATIVE HIGH SCHOOL  
 SANTA MARIA JOINT UNION HIGH S.D.  
 1280 FOUNDERS AVENUE  
 SANTA MARIA, CALIFORNIA

PLATE 1  
 SITE LOCATION

PROJECT NO. 1401-0541	DATE 5/8/14	DR. BY AC	APP. BY AJK
--------------------------	----------------	--------------	----------------



PROJECT SITE  
(APN 107-150-013)

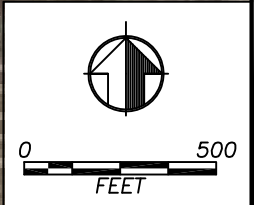
HIGHWAY 101

S. BRADLEY RD.

CEDAR HURST DR.

MORNINGSIDE DR.

SOURCE: GOOGLE EARTH MAP DATED APRIL 2013



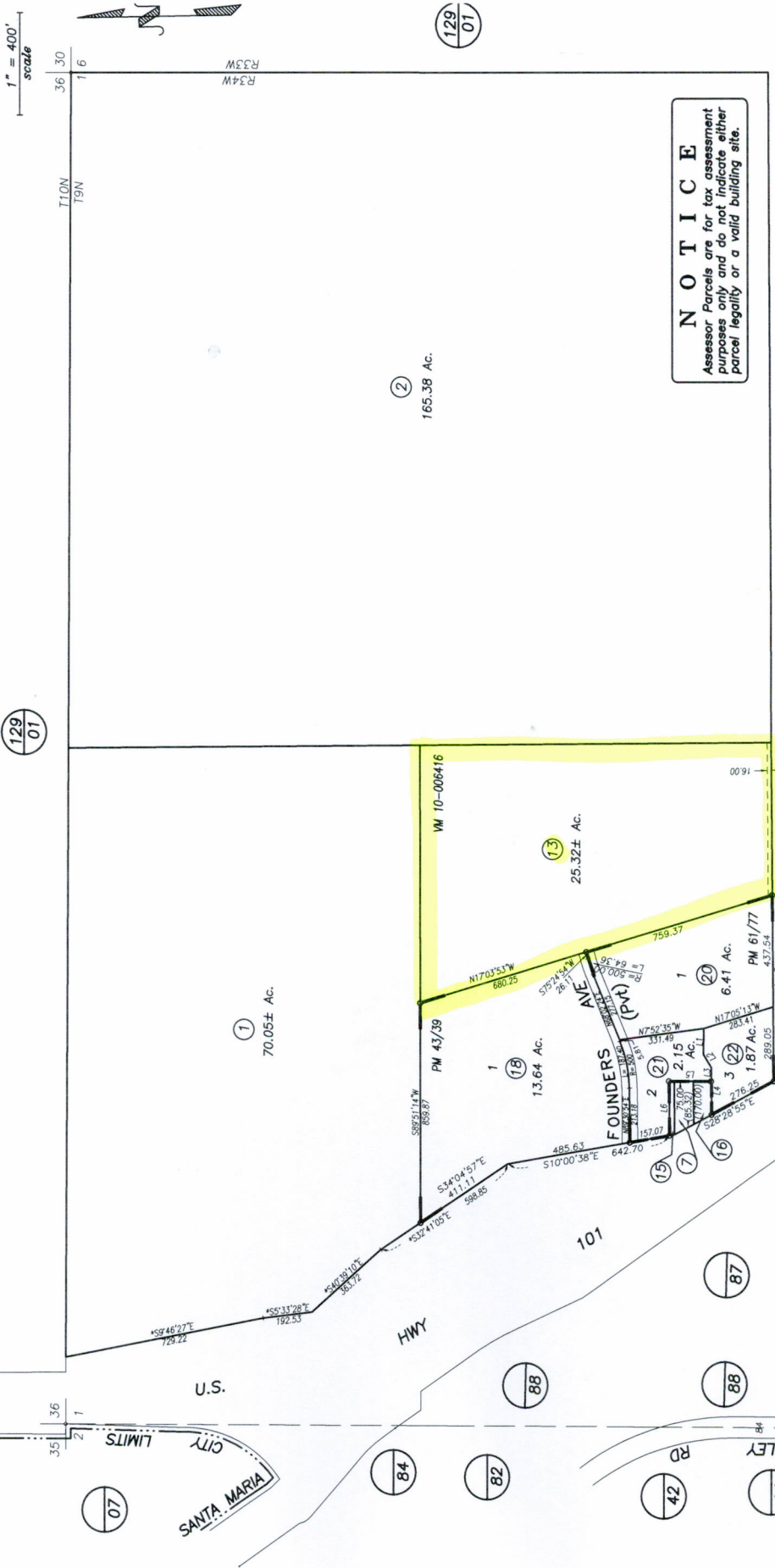
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NEW ALTERNATIVE HIGH SCHOOL  
SANTA MARIA JOINT UNION HIGH S.D.  
1280 FOUNDERS AVENUE  
SANTA MARIA, CALIFORNIA

PROJECT NO. 1401-0541	DATE 5/8/14	DR. BY AC	APP. BY AJK
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PLATE 2  
**SITE PLAN**

**APPENDIX A  
ASSESSOR'S PARCEL MAP  
AND  
FLOOD INSURANCE RATE MAPS**



**NOTICE**  
 Assessor Parcels are for tax assessment purposes only and do not indicate either parcel legality or a valid building site.

LINE TABLE	
NO.	BEARING DISTANCE
L 1	N89°21'42"W 103.32
L 2	S59°28'02"W 58.25
L 3	S89°30'54"W 53.40
L 4	S89°30'54"W 184.16
L 5	S89°30'54"W 184.16
L 6	N89°30'54"E 213.97

Note: Bearings marked with asterisk (\*) are drawn and annotated in CA Zone V NAD83 State Plane coordinates and related to true north.

Assessor's Map Bk, 107-Pg, 15  
 County of Santa Barbara, Calif.

LD/12 17 & 23 into new page 86, 87 & 88

129/01

129/01

24

24

87

86

42

14

07

84

82

88

88

SANTA MARIA CITY LIMITS

U.S.

HWY

101

FOUNDERS AVE (P&T)

BRADLEY RD

16 30 36 TION T9N

R34W R33W

35 36

1 2

1" = 400' scale



② 165.38 Ac.

① 70.05± Ac.

⑬ 25.32± Ac.

⑮ 13.64 Ac.

⑰ 6.41 Ac.

⑲ 1.87 Ac.

⑱ 1.87 Ac.

WM 10-006416

PM 43/39

PM 61/77

①

②

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onal Flood Insurance Program at 1-800-638-6620.

**MAP SCALE 1" = 1000'**

00 0 1000 2000 FEET

**NATIONAL FLOOD INSURANCE PROGRAM**

**PANEL 0195F**

**FIRM**  
**FLOOD INSURANCE RATE MAP**  
**SANTA BARBARA COUNTY,**  
**CALIFORNIA**  
**AND INCORPORATED AREAS**

**PANEL 195 OF 1835**  
(SEE MAP INDEX FOR FIRM PANEL LAYOUT)

CONTAINS:

COMMUNITY	NUMBER	PANEL	SUFFIX
SANTA BARBARA COUNTY	060331	0195	F
SANTA MARIA, CITY OF	060336	0195	F

Notice to User: The **Map Number** shown below should be used when placing map orders; the **Community Number** shown above should be used on insurance applications for the subject community.

**MAP NUMBER**  
**06083C0195F**

**EFFECTIVE DATE**  
**SEPTEMBER 30, 2005**

Federal Emergency Management Agency

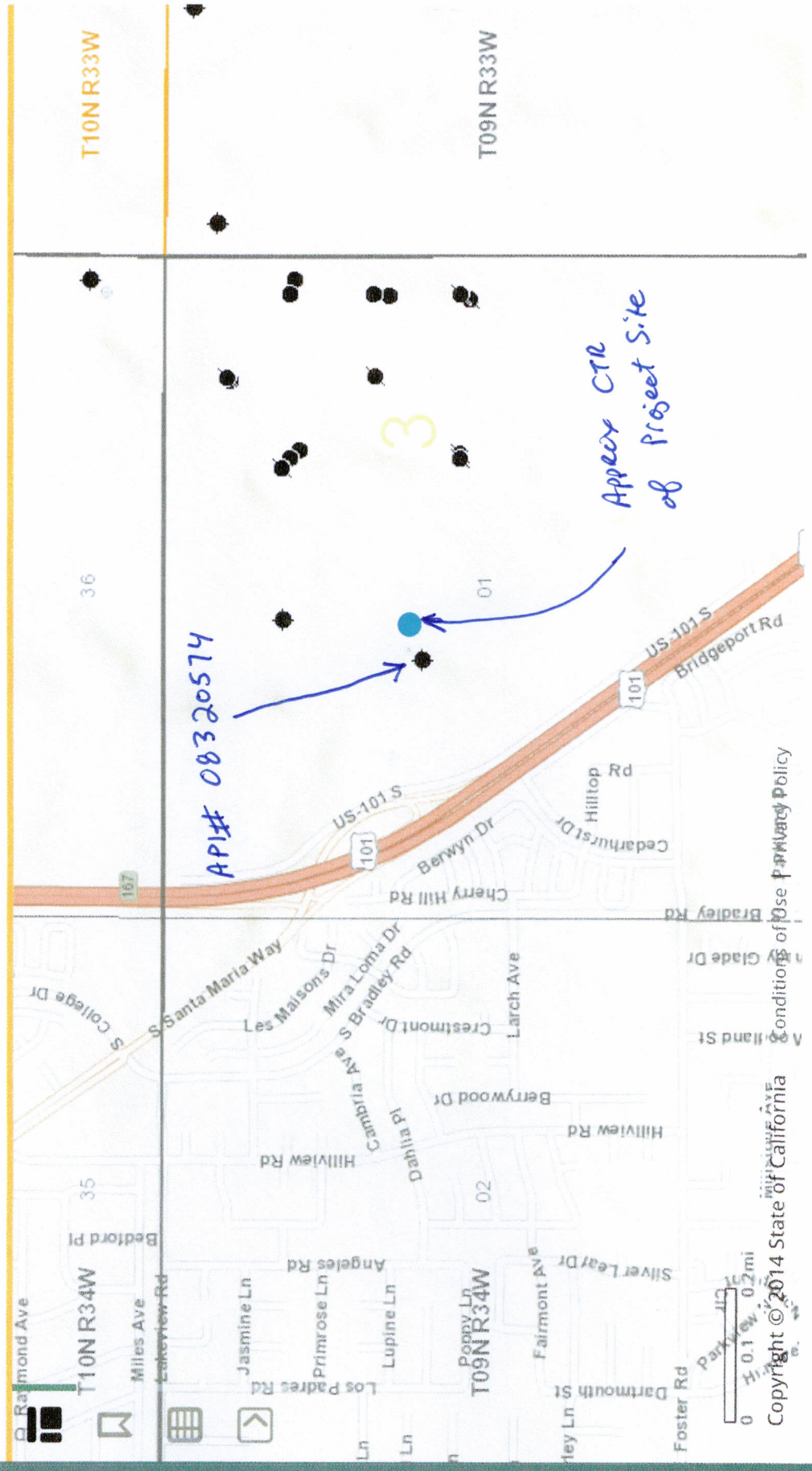
This is an official copy of a portion of the above referenced flood map. It was extracted using F-MIT On-Line. This map does not reflect changes or amendments which may have been made subsequent to the date on the title block. For the latest product information about National Flood Insurance Program flood maps check the FEMA Flood Map Store at [www.msc.fema.gov](http://www.msc.fema.gov)

**APPENDIX B  
DOGGR INFORMATION**



Department of Conservation

### Division of Oil, Gas & Geothermal Resources Well Finder



Copyright © 2014 State of California  
Map of Use Policy



Online WellRecord Query for State of California, Department of Conservation, Division of Oil, Gas, and Geothermal Resources.

[DOGGR Home Page](#)
[Online Production/Injection](#)
[How to Print Logs](#)

[Back](#)
[Well Details](#)
[Get Well Map](#)

**Well Details**  
 APT: 08320574 Well Status: Plugged District: 3  
 Operator: Greka Oil & Gas Inc. Operator Status: Active  
 Lease: Shell-Standard Blanc Well Number: 1 County: Santa Barbara  
 Field: Santa Maria Valley Field Code: 668 Area: Bradley Area Code: 02 Latitude: 34.888818 NAD83  
 Section: 1 Township: 9N Range: 34W BaseMeridian: SB Longitude: -120.411835 NAD83  
 Spud Date: Abandonment Date:

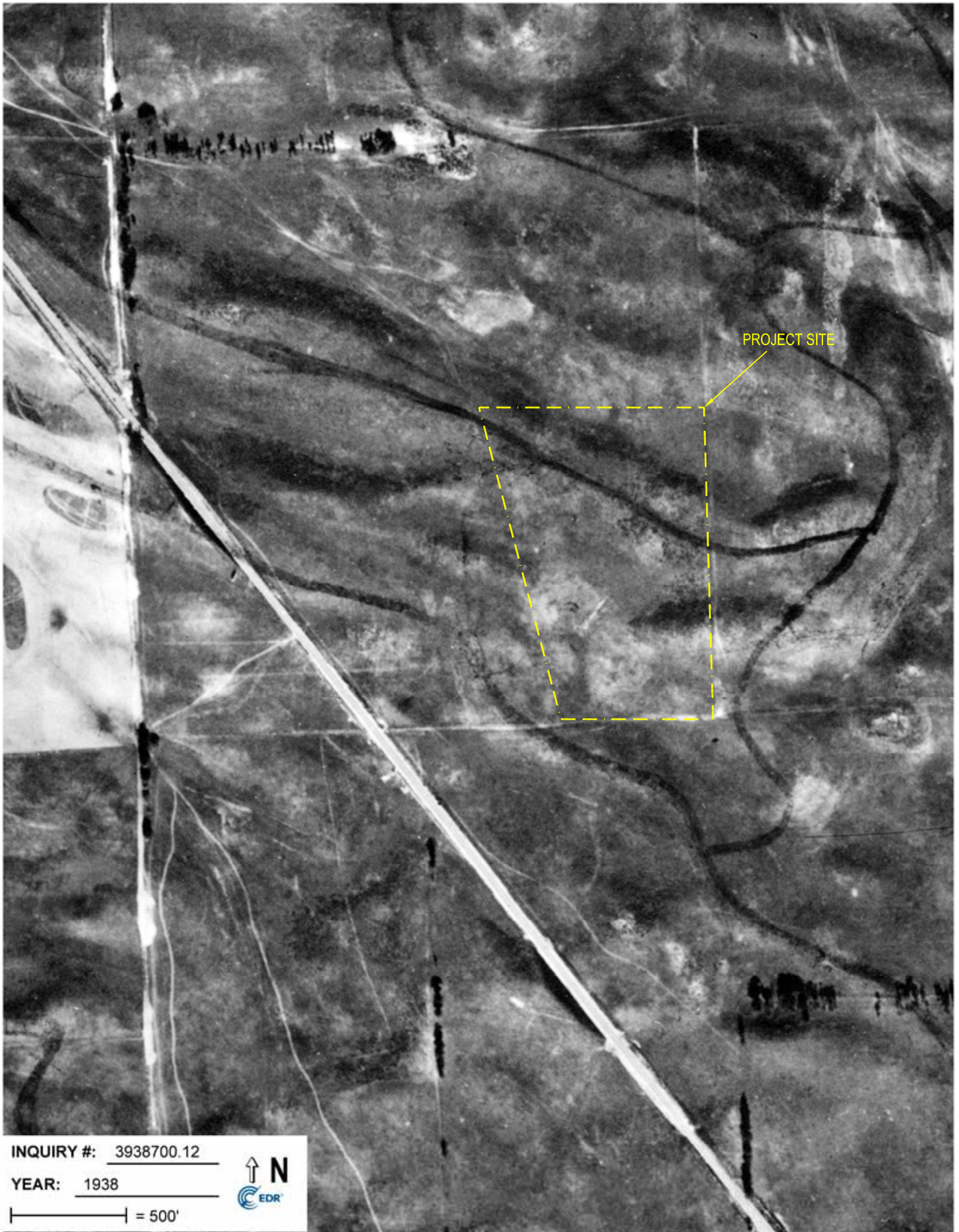
Well Records: (Click File Name to view the document.)

File Type	File Name	File Size	File Created On	File Modified On
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	<a href="#">08320574 Correlation_9-24-73.tif</a>	148.88 KB	11/16/12 11:30 AM	10/18/12 09:50 AM
	<a href="#">08320574 Data_7-23-08.pdf</a>	8.94 MB	05/27/11 05:25 PM	07/23/08 10:01 AM
	<a href="#">08320574 DIP_9-11-73.pdf</a>	589.56 KB	11/16/12 11:30 AM	10/18/12 11:23 AM
	<a href="#">08320574 DIP_9-11-73.tif</a>	939.38 KB	05/27/11 05:25 PM	10/18/12 11:22 AM
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	<a href="#">08320574 Elog_9-21-73.tif</a>	807.56 KB	05/27/11 05:25 PM	07/23/08 12:52 PM
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	<a href="#">08320574 Neutron_9-11-73.tif</a>	587.37 KB	11/16/12 11:31 AM	10/18/12 09:52 AM
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Last edited on March 29, 2011  
 Contact: [doggrwebmaster@conservation.ca.gov](mailto:doggrwebmaster@conservation.ca.gov) | Copyright © California Department of Conservation, 2011. All rights reserved.  
 The Department of Conservation makes no warranties as to the suitability of this product for any purpose.  
 © 2011 State of California. Edmund G. Brown Jr., Governor. [Conditions of Use](#) [Privacy Policy](#)



**APPENDIX C**  
**HISTORICAL AERIAL PHOTOGRAPHS AND TOPOGRAPHIC MAPS**



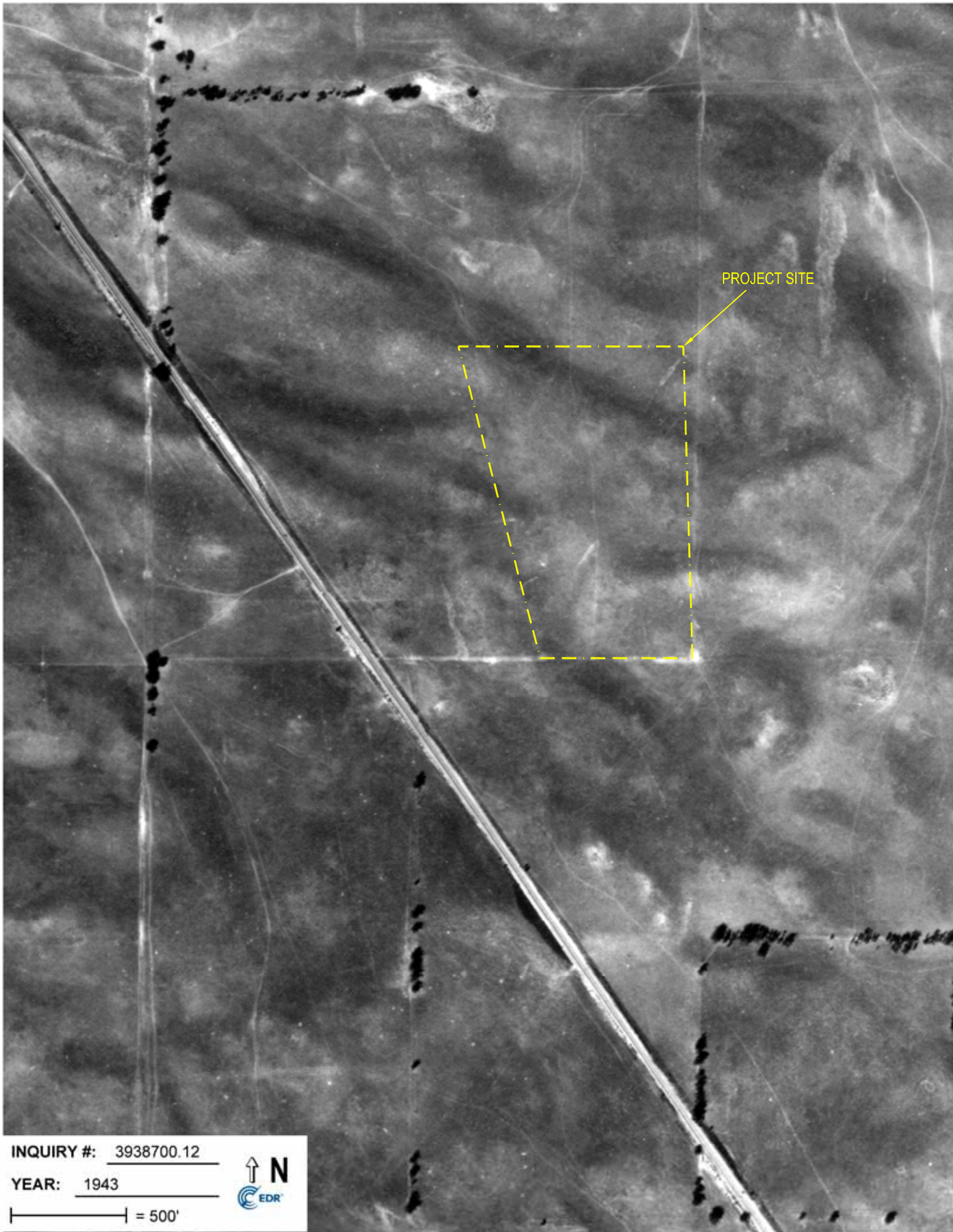
PROJECT SITE

INQUIRY #: 3938700.12

YEAR: 1938

| = 500'





PROJECT SITE

INQUIRY #: 3938700.12

YEAR: 1943

| = 500'





PROJECT SITE

INQUIRY #: 3938700.12

YEAR: 1954

— = 500'





PROJECT SITE

INQUIRY #: 3938700.12

YEAR: 1967

— = 500'





PROJECT SITE

INQUIRY #: 3938700.12

YEAR: 1975

— = 500'





PROJECT SITE

INQUIRY #: 3938700.12

YEAR: 1989

— = 500'





PROJECT SITE

INQUIRY #: 3938700.12

YEAR: 1994

| = 500'







PROJECT SITE

INQUIRY #: 3938700.12

YEAR: 2005

| = 500'





PROJECT SITE

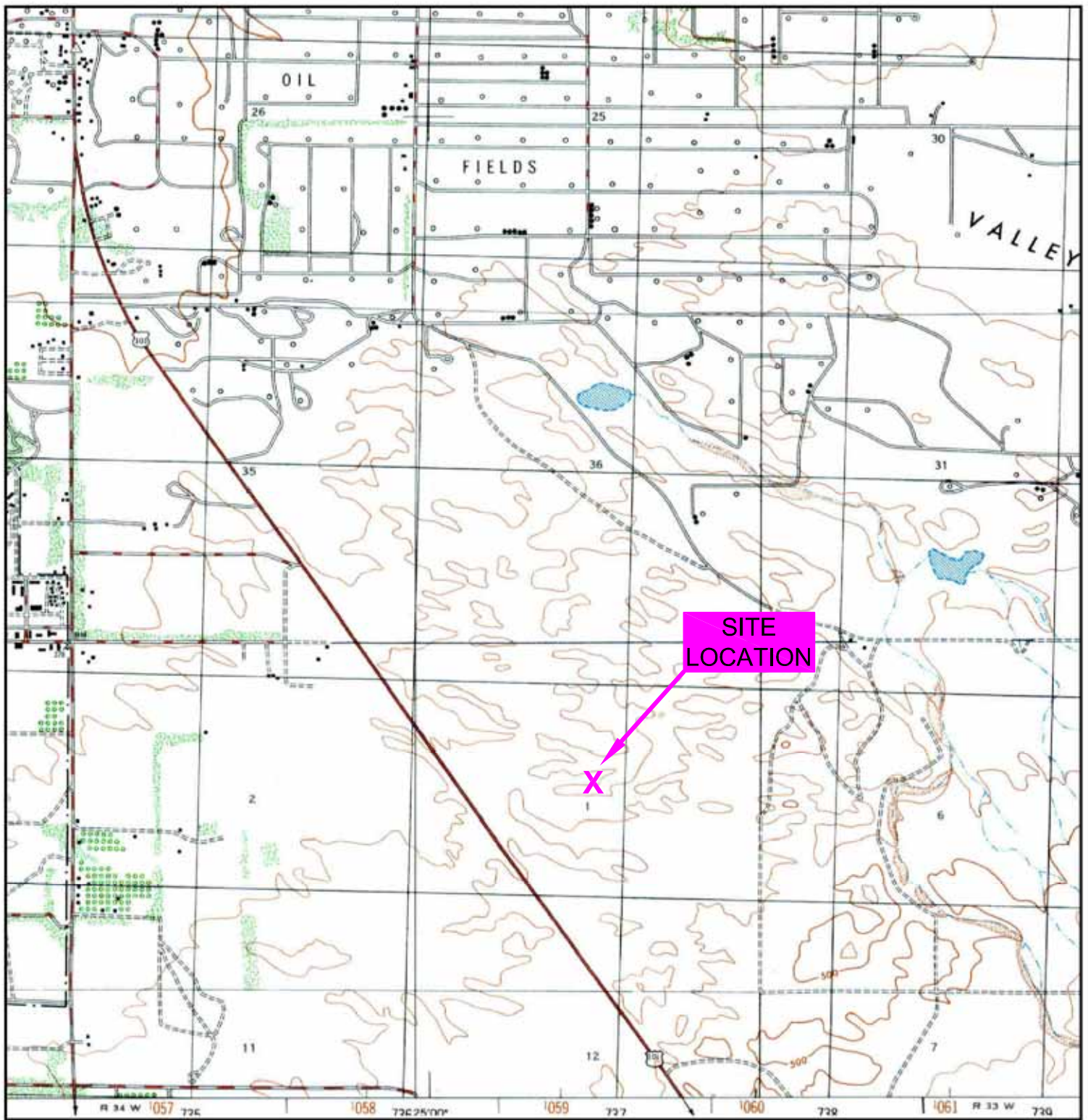
INQUIRY #: 3938700.12

YEAR: 2010



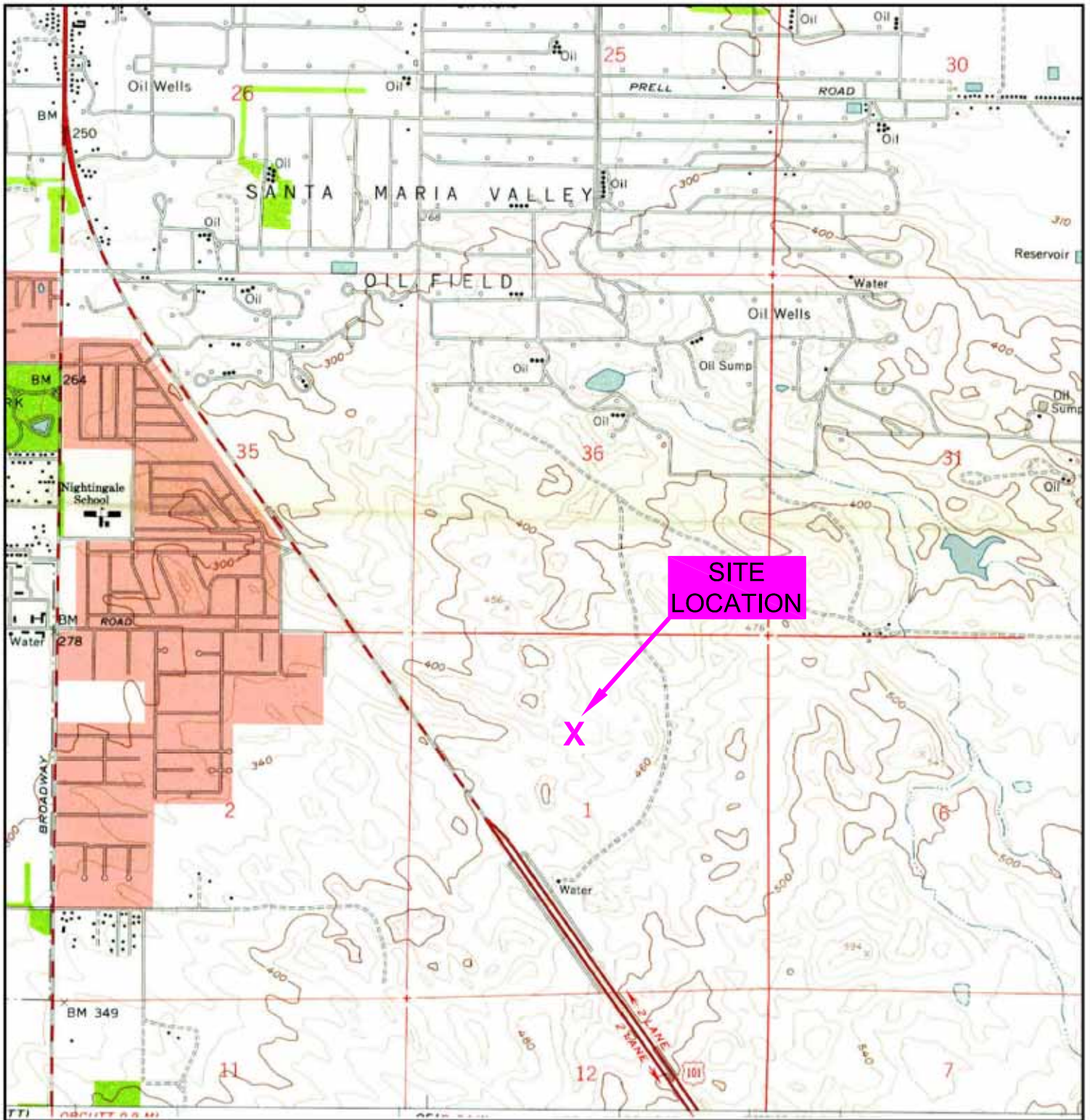
—| = 500'

# Historical Topographic Map



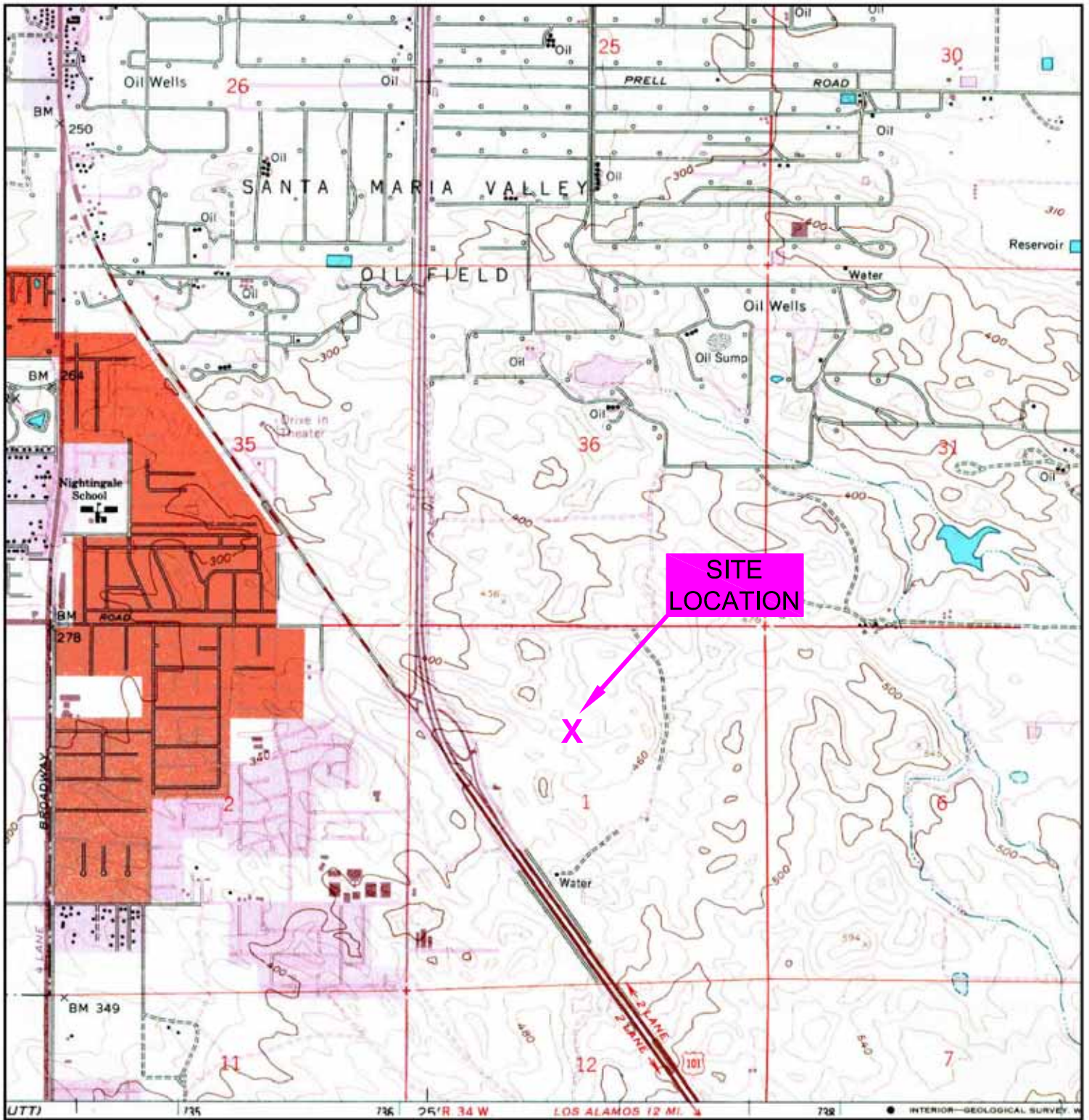
	TARGET QUAD NAME: SANTA MARIA MAP YEAR: 1948	SITE NAME: New Alternative High School	CLIENT: Padre Associates, Inc
	SERIES: 7.5 SCALE: 1:25000	ADDRESS: 1280 Founders Avenue Santa Maria, CA 93454 LAT/LONG: 34.8891 / -120.4109	CONTACT: Alan Klein INQUIRY#: 3938700.4 RESEARCH DATE: 05/09/2014

# Historical Topographic Map



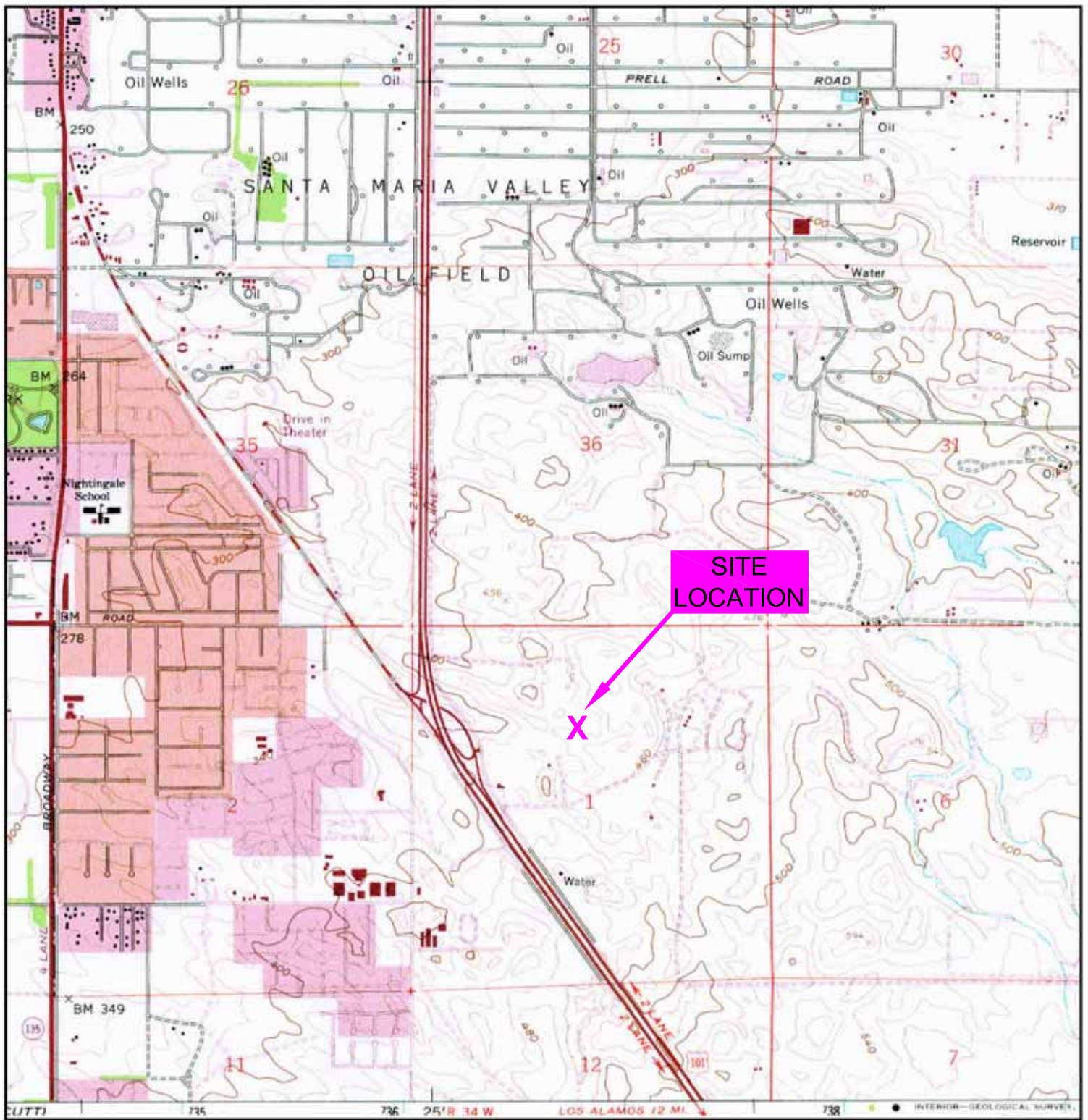
<p>N ↑</p>	<p>TARGET QUAD NAME: SANTA MARIA MAP YEAR: 1959</p>	<p>SITE NAME: New Alternative High School</p>	<p>CLIENT: Padre Associates, Inc</p>
	<p>SERIES: 7.5 SCALE: 1:24000</p>	<p>ADDRESS: 1280 Founders Avenue Santa Maria, CA 93454</p> <p>LAT/LONG: 34.8891 / -120.4109</p>	<p>CONTACT: Alan Klein INQUIRY#: 3938700.4 RESEARCH DATE: 05/09/2014</p>

# Historical Topographic Map



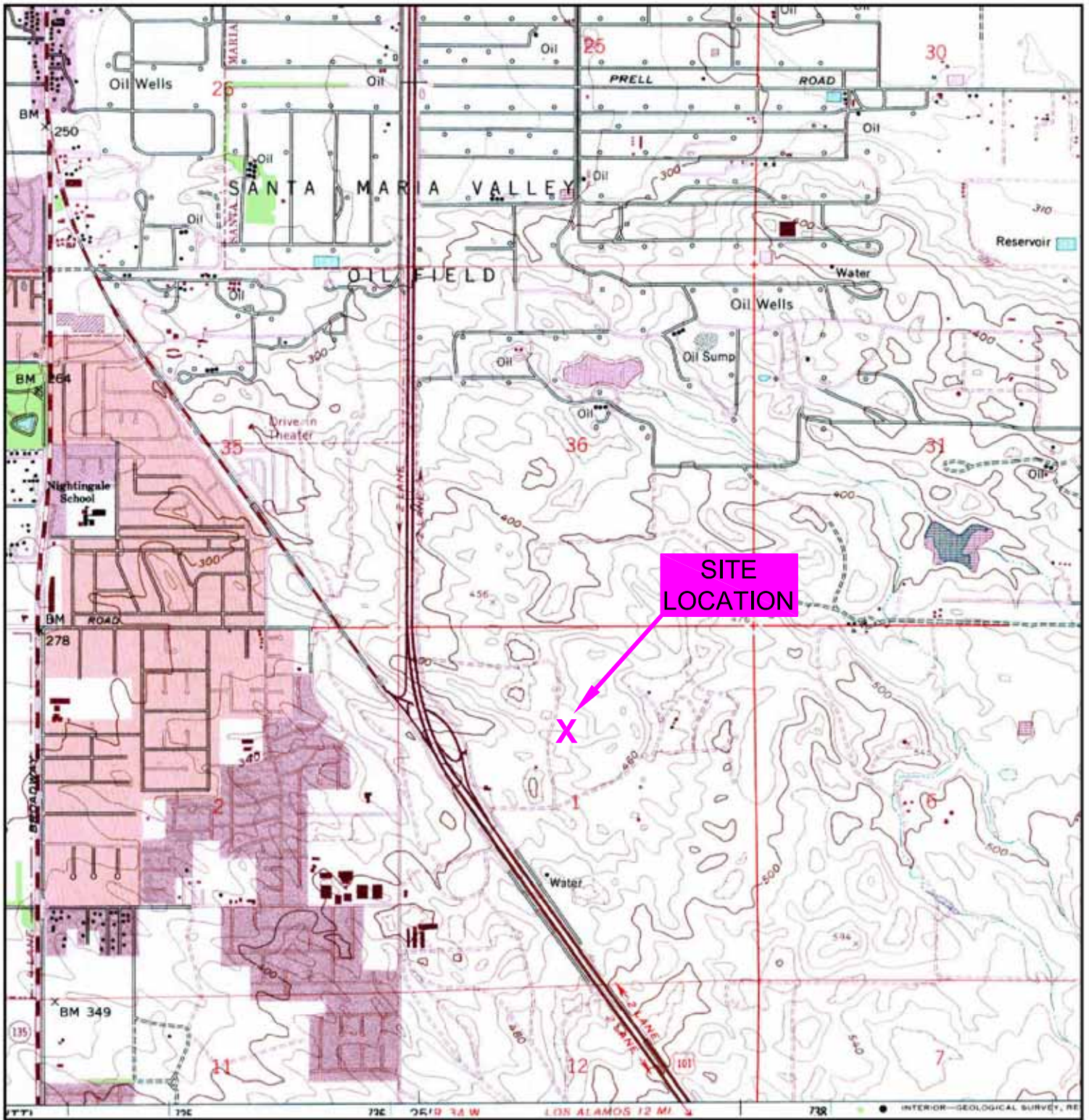
<p>N</p> 	<p>TARGET QUAD NAME: SANTA MARIA MAP YEAR: 1967 PHOTOREVISED FROM :1959 SERIES: 7.5 SCALE: 1:24000</p>	<p>SITE NAME: New Alternative High School ADDRESS: 1280 Founders Avenue Santa Maria, CA 93454 LAT/LONG: 34.8891 / -120.4109</p>	<p>CLIENT: Padre Associates, Inc CONTACT: Alan Klein INQUIRY#: 3938700.4 RESEARCH DATE: 05/09/2014</p>
	<p>UTTI 735 736 25°R 34 W LOS ALAMOS 12 MI. 732 ● INTERIOR—GEOLOGICAL SURVEY, W</p>		

# Historical Topographic Map



<p>N ↑</p>	<p>TARGET QUAD NAME: SANTA MARIA MAP YEAR: 1974 PHOTOREVISED FROM :1959 SERIES: 7.5 SCALE: 1:24000</p>	<p>SITE NAME: New Alternative High School ADDRESS: 1280 Founders Avenue Santa Maria, CA 93454 LAT/LONG: 34.8891 / -120.4109</p>	<p>CLIENT: Padre Associates, Inc CONTACT: Alan Klein INQUIRY#: 3938700.4 RESEARCH DATE: 05/09/2014</p>

# Historical Topographic Map



<p>N ↑</p>	<p>TARGET QUAD NAME: SANTA MARIA MAP YEAR: 1982 PHOTOREVISED FROM :1959 SERIES: 7.5 SCALE: 1:24000</p>	<p>SITE NAME: New Alternative High School ADDRESS: 1280 Founders Avenue Santa Maria, CA 93454 LAT/LONG: 34.8891 / -120.4109</p>	<p>CLIENT: Padre Associates, Inc CONTACT: Alan Klein INQUIRY#: 3938700.4 RESEARCH DATE: 05/09/2014</p>
	<p>INTERIOR-GEOLOGICAL SURVEY, RE</p>		

**APPENDIX D  
SITE PHOTOGRAPHS**



SITE PHOTOGRAPHS - SMJUHSF FUTURE SCHOOL SITE



Photo 1: View of a drainage basin located at the southwest corner of the Project Site.



Photo 2: Planting rows prepared for strawberry plantings at the Project Site.

SITE PHOTOGRAPHS - SMJUHSD FUTURE SCHOOL SITE



Photo 3: Looking east along the southern boundary of the Project Site. Improved road is Founders Avenue.



Photo 4: Santa Maria Elks Rodeo facility located south of the Project Site.

SITE PHOTOGRAPHS - SMJUHSD FUTURE SCHOOL SITE



Photo 5: Looking north along the western property boundary of the Project Site.



Photo 6: Looking east along the northern property boundary of the Project Site.

SITE PHOTOGRAPHS - SMJUHSD FUTURE SCHOOL SITE



Photo 7: Looking west towards Highway 101 from northwest corner of the Project Site.



Photo 8: Looking southwest across adjacent property west of the Project Site.

SITE PHOTOGRAPHS - SMJUHSD FUTURE SCHOOL SITE



Photo 9: Looking north at electric powerlines (12kV) located along eastern property boundary of the Project Site.



Photo 10: Portable diesel fuel tank located near southwest corner of the Project Site.

SITE PHOTOGRAPHS - SMJUHSD FUTURE SCHOOL SITE



Photo 11: Looking northeast across the Project Site.



Photo 12: Looking southwest across the Project Site from northeast corner.

SITE PHOTOGRAPHS - SMJUHSD FUTURE SCHOOL SITE



Photo 13: Greka gas pipeline marker located near southwest corner of the Project Site.



Photo 14: Greka oil field facility located approximately 1,500 feet east-northeast of the Project Site.

**APPENDIX E**  
**PROJECT SITE ENVIRONMENTAL QUESTIONNAIRE**





### Project Site Environmental Questionnaire

Padre Associates, Inc. (Padre) on behalf of Santa Maria Joint Union High School District is requesting the completion of the following questionnaire. The purpose of the questionnaire is to identify past and current use(s) of the Project Site. Please answer the following questions to the best of your knowledge. If you need more space, please use the back of the questionnaire or a separate sheet(s) of paper. If the answer to the question is unknown, write "unknown".

**Project Site:** 1280 Founders Avenue, Santa Maria, Santa Barbara County, CA 93455. The Project Site is identified by the County of Contra Costa as Assessor's Parcel Number (APN): 107-150-013. A copy of the assessor's parcel map is attached.

1. Current property owner: International Church of the Foursquare Gospel  
 Contact: Janet Wheeler Email / Phone No.: 805 922-8445  
janet@sanctamariafoursquare.com
2. Date of Ownership: 3/16/2000
3. Previous property owner/date of ownership: Caper Acquisub 5/6/98
4. Property Address / Acres 1280 Founders Road, Santa Maria, CA  
25 ± acres
5. Assessor's Parcel Number(s): 107-150-013
6. Current Property Use: Agriculture
7. Historic Property Use: Farming since 6/1/2006  
Grazing prior to 2006  
Historic injection well abandoned by Greka Energy 4/20/00.
8. Are there (have there ever been) any building structures located onsite (if yes, what is/was their use): not to my knowledge
9. Are there any water wells located onsite (irrigation/domestic/monitoring): NO

Environmental Questionnaire  
(Continued)



10. Are there any septic tanks and/or leach fields' located onsite: not to my knowledge

11. Are there any pits, ponds, or lagoons in connection with waste treatment or waste disposal located onsite: not to my knowledge

12. Are there any underground or aboveground storage tanks located onsite: not to my knowledge

13. Are there any landfills and/or burn pits located onsite: not to my knowledge

14. List past and present pesticide/herbicide use (List chemicals/yrs): unknown to me - County of Santa Barbara requires farmers to file reports of use

15. Have there been any chemical spills and/or incidents located onsite: not to my knowledge

COMPLETED BY:

Signature: Janet Wheeler Date: 5/13/14

Print Name: Janet Wheeler

Representing: Santa Maria Foursquare Church

Please return the questionnaire to: Padre Associates, Inc.  
555 University Avenue, Suite 110  
Sacramento, California 95825  
Attn: Alan Klein, (916) 333-5920, Ext. 24

Email or fax the questionnaire to: (916) 333-5921 (fax)

**APPENDIX F  
EDR RADIUS MAP REPORT**

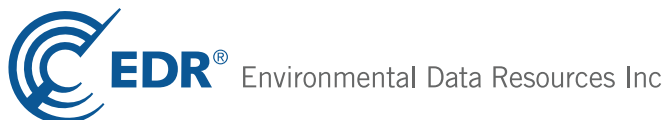
**New Alternative High School**

1280 Founders Avenue  
Santa Maria, CA 93454

Inquiry Number: 3938700.2s

May 08, 2014

**The EDR Radius Map™ Report with GeoCheck®**



6 Armstrong Road, 4th floor  
Shelton, CT 06484  
Toll Free: 800.352.0050  
[www.edrnet.com](http://www.edrnet.com)

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Executive Summary .....	ES1
Overview Map .....	2
Detail Map .....	3
Map Findings Summary .....	4
Map Findings .....	8
Orphan Summary .....	9
Government Records Searched/Data Currency Tracking .....	GR-1
 <b><u>GEOCHECK ADDENDUM</u></b>	
Physical Setting Source Addendum .....	A-1
Physical Setting Source Summary .....	A-2
Physical Setting SSURGO Soil Map .....	A-5
Physical Setting Source Map .....	A-9
Physical Setting Source Map Findings .....	A-11
Physical Setting Source Records Searched .....	PSGR-1

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

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## EXECUTIVE SUMMARY

A search of available environmental records was conducted by Environmental Data Resources, Inc (EDR). The report was designed to assist parties seeking to meet the search requirements of EPA's Standards and Practices for All Appropriate Inquiries (40 CFR Part 312), the ASTM Standard Practice for Environmental Site Assessments (E 1527-13) or custom requirements developed for the evaluation of environmental risk associated with a parcel of real estate.

### TARGET PROPERTY INFORMATION

#### ADDRESS

1280 FOUNDERS AVENUE  
SANTA MARIA, CA 93454

#### COORDINATES

Latitude (North): 34.8891000 - 34° 53' 20.76"  
Longitude (West): 120.4109000 - 120° 24' 39.24"  
Universal Transverse Mercator: Zone 10  
UTM X (Meters): 736611.5  
UTM Y (Meters): 3863606.8  
Elevation: 442 ft. above sea level

### USGS TOPOGRAPHIC MAP ASSOCIATED WITH TARGET PROPERTY

Target Property Map: 34120-H4 SANTA MARIA, CA  
Most Recent Revision: 1982  
  
South Map: 34120-G4 ORCUTT, CA  
Most Recent Revision: 1978

### AERIAL PHOTOGRAPHY IN THIS REPORT

Photo Year: 2012  
Source: USDA

### TARGET PROPERTY SEARCH RESULTS

The target property was not listed in any of the databases searched by EDR.

### DATABASES WITH NO MAPPED SITES

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

### STANDARD ENVIRONMENTAL RECORDS

#### *Federal NPL site list*

NPL..... National Priority List

## EXECUTIVE SUMMARY

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***

CERCLIS..... Comprehensive Environmental Response, Compensation, and Liability Information System  
FEDERAL FACILITY..... Federal Facility Site Information listing

### ***Federal CERCLIS NFRAP site List***

CERC-NFRAP..... CERCLIS No Further Remedial Action Planned

### ***Federal RCRA CORRACTS facilities list***

CORRACTS..... Corrective Action Report

### ***Federal RCRA non-CORRACTS TSD facilities list***

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

### ***Federal RCRA generators list***

RCRA-LQG..... RCRA - Large Quantity Generators  
RCRA-SQG..... RCRA - Small Quantity Generators  
RCRA-CESQG..... RCRA - Conditionally Exempt Small Quantity Generator

### ***Federal institutional controls / engineering controls registries***

US ENG CONTROLS..... Engineering Controls Sites List  
US INST CONTROL..... Sites with Institutional Controls  
LUCIS..... Land Use Control Information System

### ***Federal ERNS list***

ERNS..... Emergency Response Notification System

### ***State- and tribal - equivalent NPL***

RESPONSE..... State Response Sites

### ***State- and tribal - equivalent CERCLIS***

ENVIROSTOR..... EnviroStor Database

### ***State and tribal landfill and/or solid waste disposal site lists***

SWF/LF..... Solid Waste Information System

### ***State and tribal leaking storage tank lists***

LUST..... Geotracker's Leaking Underground Fuel Tank Report

## EXECUTIVE SUMMARY

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

### **State and tribal registered storage tank lists**

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

### **State and tribal voluntary cleanup sites**

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

### **ADDITIONAL ENVIRONMENTAL RECORDS**

#### **Local Brownfield lists**

US BROWNFIELDS..... A Listing of Brownfields Sites

#### **Local Lists of Landfill / Solid Waste Disposal Sites**

ODI..... Open Dump Inventory  
DEBRIS REGION 9..... Torres Martinez Reservation Illegal Dump Site Locations  
WMUDS/SWAT..... Waste Management Unit Database  
SWRCY..... Recycler Database  
HAULERS..... Registered Waste Tire Haulers Listing  
INDIAN ODI..... Report on the Status of Open Dumps on Indian Lands

#### **Local Lists of Hazardous waste / Contaminated Sites**

US CDL..... Clandestine Drug Labs  
HIST Cal-Sites..... Historical Calsites Database  
SCH..... School Property Evaluation Program  
Toxic Pits..... Toxic Pits Cleanup Act Sites  
CDL..... Clandestine Drug Labs  
US HIST CDL..... National Clandestine Laboratory Register

#### **Local Lists of Registered Storage Tanks**

CA FID UST..... Facility Inventory Database  
HIST UST..... Hazardous Substance Storage Container Database  
SWEEPS UST..... SWEEPS UST Listing

#### **Local Land Records**

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

#### **Records of Emergency Release Reports**

HMIRS..... Hazardous Materials Information Reporting System  
CHMIRS..... California Hazardous Material Incident Report System



## EXECUTIVE SUMMARY

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  
DOT OPS..... Incident and Accident Data  
DOD..... Department of Defense Sites  
FUDS..... Formerly Used Defense Sites  
CONSENT..... Superfund (CERCLA) Consent Decrees  
ROD..... Records Of Decision  
UMTRA..... Uranium Mill Tailings Sites  
US MINES..... Mines Master Index File  
TRIS..... Toxic Chemical Release Inventory System  
TSCA..... Toxic Substances Control Act  
FTTS..... FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)  
HIST FTTS..... FIFRA/TSCA Tracking System Administrative Case Listing  
SSTS..... Section 7 Tracking Systems  
ICIS..... Integrated Compliance Information System  
PADS..... PCB Activity Database System  
MLTS..... Material Licensing Tracking System  
RADINFO..... Radiation Information Database  
FINDS..... Facility Index System/Facility Registry System  
RAATS..... RCRA Administrative Action Tracking System  
RMP..... Risk Management Plans  
CA BOND EXP. PLAN..... Bond Expenditure Plan  
NPDES..... NPDES Permits Listing  
UIC..... UIC Listing  
Cortese..... "Cortese" Hazardous Waste & Substances Sites List  
HIST CORTESE..... Hazardous Waste & Substance Site List  
CUPA Listings..... CUPA Resources List  
Notify 65..... Proposition 65 Records  
DRYCLEANERS..... Cleaner Facilities  
WIP..... Well Investigation Program Case List  
ENF..... Enforcement Action Listing  
HAZNET..... Facility and Manifest Data  
EMI..... Emissions Inventory Data  
INDIAN RESERV..... Indian Reservations  
SCRD DRYCLEANERS..... State Coalition for Remediation of Drycleaners Listing  
LEAD SMELTERS..... Lead Smelter Sites  
2020 COR ACTION..... 2020 Corrective Action Program List  
PRP..... Potentially Responsible Parties  
US AIRS..... Aerometric Information Retrieval System Facility Subsystem  
WDS..... Waste Discharge System  
HWP..... EnviroStor Permitted Facilities Listing  
HWT..... Registered Hazardous Waste Transporter Database  
US FIN ASSUR..... Financial Assurance Information  
Financial Assurance..... Financial Assurance Information Listing  
PROC..... Certified Processors Database  
PCB TRANSFORMER..... PCB Transformer Registration Database  
EPA WATCH LIST..... EPA WATCH LIST  
COAL ASH EPA..... Coal Combustion Residues Surface Impoundments List  
MWMP..... Medical Waste Management Program Listing

# EXECUTIVE SUMMARY

COAL ASH DOE..... Steam-Electric Plant Operation Data

## EDR HIGH RISK HISTORICAL RECORDS

### ***EDR Exclusive Records***

EDR MGP..... EDR Proprietary Manufactured Gas Plants  
EDR US Hist Auto Stat..... EDR Exclusive Historic Gas Stations  
EDR US Hist Cleaners..... EDR Exclusive Historic Dry Cleaners

## EDR RECOVERED GOVERNMENT ARCHIVES

### ***Exclusive Recovered Govt. Archives***

RGA LUST..... Recovered Government Archive Leaking Underground Storage Tank  
RGA LF..... Recovered Government Archive Solid Waste Facilities List

## 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 leaking storage tank lists***

SLIC: SLIC Region comes from the California Regional Water Quality Control Board.

A review of the SLIC list, as provided by EDR, and dated 03/17/2014 has revealed that there is 1 SLIC site within approximately 0.5 miles of the target property.

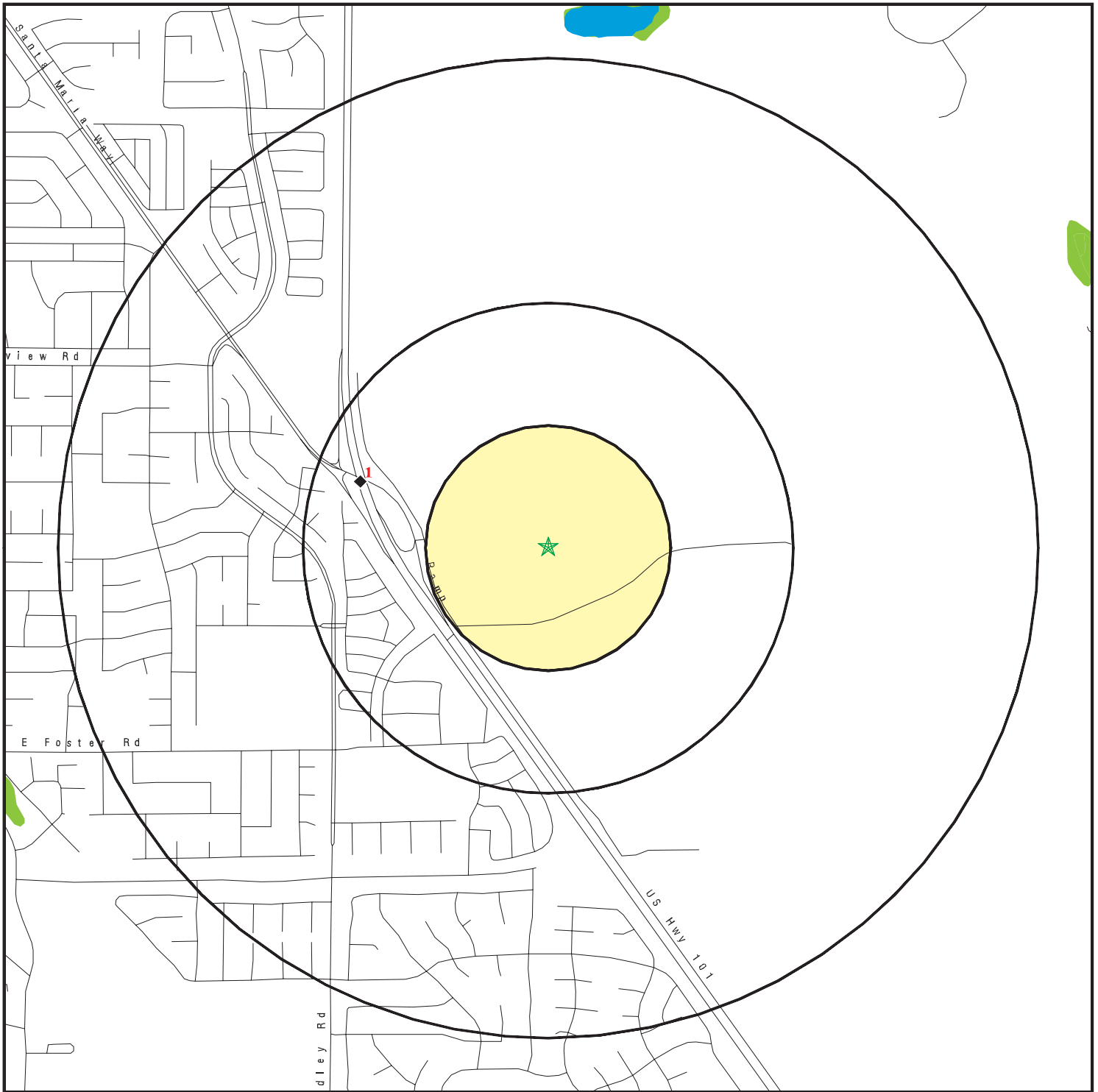
<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
FED EX SEMI TRUCK WRECK Facility Status: Completed - Case Closed	HWY 101 @ SANTA MARIA W	WNW 1/4 - 1/2 (0.407 mi.)	1	8

## EXECUTIVE SUMMARY

Due to poor or inadequate address information, the following sites were not mapped. Count: 20 records.

<u>Site Name</u>	<u>Database(s)</u>
GITTE-TEN, LLC DBA PHOENIX ENERGY	NPDES, CUPA Listings, CHMIRS
AIROX PLANT/RICHARD P. WELDON	SWEEPS UST
CALIFORNIA HIGHWAY PATROL	CA FID UST, CUPA Listings, SWEEPS UST
SOUTHERN CA GAS CO - MT SOLOMON	CUPA Listings
RANCHO LAGUNA FARMS - RANCH 2,3 &	CUPA Listings
RANCHO MARIA GOLF CLUB INC	CUPA Listings
AIROX PLANT	CUPA Listings
RANCHO LAGUNA FARMS - RANCH 1	CUPA Listings
VERIZON WIRELESS - SOLOMON	CUPA Listings
MAHONEY BROTHERS INC	CUPA Listings
THE WATERGARDEN PROJECT	CERC-NFRAP
SANTA MARIA AIRPORT EAST DUMP	SWF/LF
USDA FOREST SERVICE	LUST
CAREAGA LEASE	HIST UST
CALIFORNIA HIGHWAY PATROL	HIST UST
GREKA - JIM HOPKINS LEASE	AST
CHRISTIAN LIFE SCHOOL	FINDS
ST MARY OF THE ASSUMPTION SCHOOL	FINDS
NEW CONTINUATION HIGH SCHOOL	US BROWNFIELDS
FRAZIER DUMP	ENVIROSTOR

# OVERVIEW MAP - 3938700.2s



★ Target Property

▲ Sites at elevations higher than or equal to the target property

◆ Sites at elevations lower than the target property

▲ Manufactured Gas Plants

■ National Priority List Sites

■ Dept. Defense Sites

■ Indian Reservations BIA

■ Oil & Gas pipelines from USGS

■ 100-year flood zone

■ 500-year flood zone

■ National Wetland Inventory

■ Areas of Concern

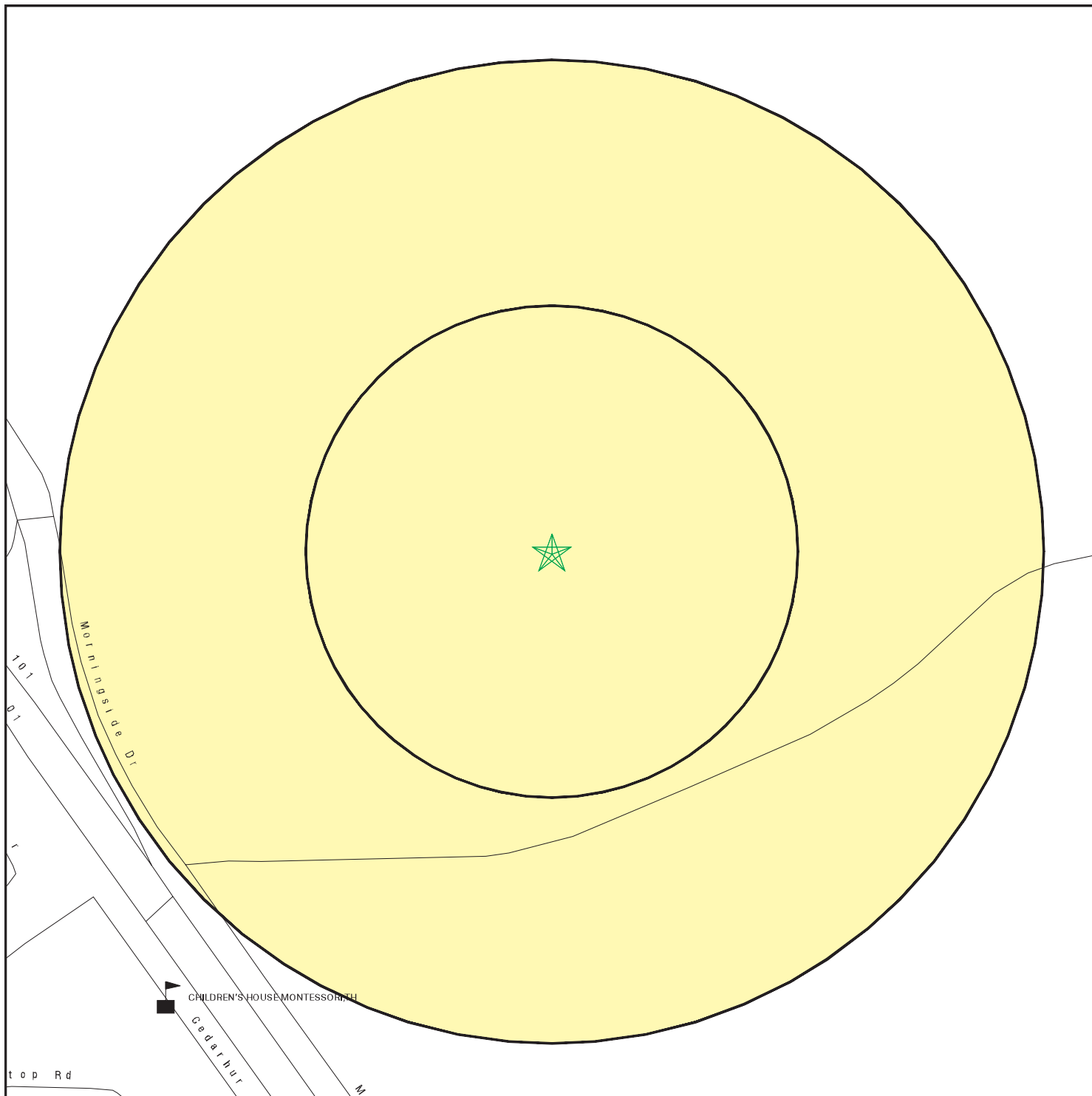


This report includes Interactive Map Layers to display and/or hide map information. The legend includes only those icons for the default map view.






SITE NAME: New Alternative High School  
 ADDRESS: 1280 Founders Avenue  
 Santa Maria CA 93454  
 LAT/LONG: 34.8891 / 120.4109

CLIENT: Padre Associates, Inc  
 CONTACT: Alan Klein  
 INQUIRY #: 3938700.2s  
 DATE: May 08, 2014 8:33 pm

# DETAIL MAP - 3938700.2s



- ★ Target Property
- ▲ Sites at elevations higher than or equal to the target property
- ◆ Sites at elevations lower than the target property
- ⚙ Manufactured Gas Plants
- ⚡ Sensitive Receptors
- 🚚 National Priority List Sites
- 🏠 Dept. Defense Sites

-  Indian Reservations BIA
-  Oil & Gas pipelines from USGS
-  100-year flood zone
-  500-year flood zone
-  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: New Alternative High School  
 ADDRESS: 1280 Founders Avenue  
 Santa Maria CA 93454  
 LAT/LONG: 34.8891 / 120.4109

CLIENT: Padre Associates, Inc  
 CONTACT: Alan Klein  
 INQUIRY #: 3938700.2s  
 DATE: May 08, 2014 8:35 pm

## MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
<b>STANDARD ENVIRONMENTAL RECORDS</b>								
<b><i>Federal NPL site list</i></b>								
NPL	1.000		0	0	0	0	NR	0
Proposed NPL	1.000		0	0	0	0	NR	0
NPL LIENS	TP		NR	NR	NR	NR	NR	0
<b><i>Federal Delisted NPL site list</i></b>								
Delisted NPL	1.000		0	0	0	0	NR	0
<b><i>Federal CERCLIS list</i></b>								
CERCLIS	0.500		0	0	0	NR	NR	0
FEDERAL FACILITY	0.500		0	0	0	NR	NR	0
<b><i>Federal CERCLIS NFRAP site List</i></b>								
CERC-NFRAP	0.500		0	0	0	NR	NR	0
<b><i>Federal RCRA CORRACTS facilities list</i></b>								
CORRACTS	1.000		0	0	0	0	NR	0
<b><i>Federal RCRA non-CORRACTS TSD facilities list</i></b>								
RCRA-TSDF	0.500		0	0	0	NR	NR	0
<b><i>Federal RCRA generators list</i></b>								
RCRA-LQG	0.250		0	0	NR	NR	NR	0
RCRA-SQG	0.250		0	0	NR	NR	NR	0
RCRA-CESQG	0.250		0	0	NR	NR	NR	0
<b><i>Federal institutional controls / engineering controls registries</i></b>								
US ENG CONTROLS	0.500		0	0	0	NR	NR	0
US INST CONTROL	0.500		0	0	0	NR	NR	0
LUCIS	0.500		0	0	0	NR	NR	0
<b><i>Federal ERNS list</i></b>								
ERNS	TP		NR	NR	NR	NR	NR	0
<b><i>State- and tribal - equivalent NPL RESPONSE</i></b>								
RESPONSE	1.000		0	0	0	0	NR	0
<b><i>State- and tribal - equivalent CERCLIS ENVIROSTOR</i></b>								
ENVIROSTOR	1.000		0	0	0	0	NR	0
<b><i>State and tribal landfill and/or solid waste disposal site lists</i></b>								
SWF/LF	0.500		0	0	0	NR	NR	0
<b><i>State and tribal leaking storage tank lists</i></b>								
LUST	0.500		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
SLIC	0.500		0	0	1	NR	NR	1
INDIAN LUST	0.500		0	0	0	NR	NR	0
<b>State and tribal registered storage tank lists</b>								
UST	0.250		0	0	NR	NR	NR	0
AST	0.250		0	0	NR	NR	NR	0
INDIAN UST	0.250		0	0	NR	NR	NR	0
FEMA UST	0.250		0	0	NR	NR	NR	0
<b>State and tribal voluntary cleanup sites</b>								
VCP	0.500		0	0	0	NR	NR	0
INDIAN VCP	0.500		0	0	0	NR	NR	0
<b>ADDITIONAL ENVIRONMENTAL RECORDS</b>								
<b>Local Brownfield lists</b>								
US BROWNFIELDS	0.500		0	0	0	NR	NR	0
<b>Local Lists of Landfill / Solid Waste Disposal Sites</b>								
ODI	0.500		0	0	0	NR	NR	0
DEBRIS REGION 9	0.500		0	0	0	NR	NR	0
WMUDS/SWAT	0.500		0	0	0	NR	NR	0
SWRCY	0.500		0	0	0	NR	NR	0
HAULERS	TP		NR	NR	NR	NR	NR	0
INDIAN ODI	0.500		0	0	0	NR	NR	0
<b>Local Lists of Hazardous waste / Contaminated Sites</b>								
US CDL	TP		NR	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
Toxic Pits	1.000		0	0	0	0	NR	0
CDL	TP		NR	NR	NR	NR	NR	0
US HIST CDL	TP		NR	NR	NR	NR	NR	0
<b>Local Lists of Registered Storage Tanks</b>								
CA FID UST	0.250		0	0	NR	NR	NR	0
HIST UST	0.250		0	0	NR	NR	NR	0
SWEEPS UST	0.250		0	0	NR	NR	NR	0
<b>Local Land Records</b>								
LIENS 2	TP		NR	NR	NR	NR	NR	0
LIENS	TP		NR	NR	NR	NR	NR	0
DEED	0.500		0	0	0	NR	NR	0
<b>Records of Emergency Release Reports</b>								
HMIRS	TP		NR	NR	NR	NR	NR	0
CHMIRS	TP		NR	NR	NR	NR	NR	0
LDS	TP		NR	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
MCS	TP		NR	NR	NR	NR	NR	0
SPILLS 90	TP		NR	NR	NR	NR	NR	0
<b>Other Ascertainable Records</b>								
RCRA NonGen / NLR	0.250		0	0	NR	NR	NR	0
DOT OPS	TP		NR	NR	NR	NR	NR	0
DOD	1.000		0	0	0	0	NR	0
FUDS	1.000		0	0	0	0	NR	0
CONSENT	1.000		0	0	0	0	NR	0
ROD	1.000		0	0	0	0	NR	0
UMTRA	0.500		0	0	0	NR	NR	0
US MINES	0.250		0	0	NR	NR	NR	0
TRIS	TP		NR	NR	NR	NR	NR	0
TSCA	TP		NR	NR	NR	NR	NR	0
FTTS	TP		NR	NR	NR	NR	NR	0
HIST FTTS	TP		NR	NR	NR	NR	NR	0
SSTS	TP		NR	NR	NR	NR	NR	0
ICIS	TP		NR	NR	NR	NR	NR	0
PADS	TP		NR	NR	NR	NR	NR	0
MLTS	TP		NR	NR	NR	NR	NR	0
RADINFO	TP		NR	NR	NR	NR	NR	0
FINDS	TP		NR	NR	NR	NR	NR	0
RAATS	TP		NR	NR	NR	NR	NR	0
RMP	TP		NR	NR	NR	NR	NR	0
CA BOND EXP. PLAN	1.000		0	0	0	0	NR	0
NPDES	TP		NR	NR	NR	NR	NR	0
UIC	TP		NR	NR	NR	NR	NR	0
Cortese	0.500		0	0	0	NR	NR	0
HIST CORTESE	0.500		0	0	0	NR	NR	0
CUPA Listings	0.250		0	0	NR	NR	NR	0
Notify 65	1.000		0	0	0	0	NR	0
DRYCLEANERS	0.250		0	0	NR	NR	NR	0
WIP	0.250		0	0	NR	NR	NR	0
ENF	TP		NR	NR	NR	NR	NR	0
HAZNET	TP		NR	NR	NR	NR	NR	0
EMI	TP		NR	NR	NR	NR	NR	0
INDIAN RESERV	1.000		0	0	0	0	NR	0
SCRD DRYCLEANERS	0.500		0	0	0	NR	NR	0
LEAD SMELTERS	TP		NR	NR	NR	NR	NR	0
2020 COR ACTION	0.250		0	0	NR	NR	NR	0
PRP	TP		NR	NR	NR	NR	NR	0
US AIRS	TP		NR	NR	NR	NR	NR	0
WDS	TP		NR	NR	NR	NR	NR	0
HWP	1.000		0	0	0	0	NR	0
HWT	0.250		0	0	NR	NR	NR	0
US FIN ASSUR	TP		NR	NR	NR	NR	NR	0
Financial Assurance	TP		NR	NR	NR	NR	NR	0
PROC	0.500		0	0	0	NR	NR	0
PCB TRANSFORMER	TP		NR	NR	NR	NR	NR	0
EPA WATCH LIST	TP		NR	NR	NR	NR	NR	0
COAL ASH EPA	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
MWMP	0.250		0	0	NR	NR	NR	0
COAL ASH DOE	TP		NR	NR	NR	NR	NR	0

### EDR HIGH RISK HISTORICAL RECORDS

#### ***EDR Exclusive Records***

EDR MGP	1.000		0	0	0	0	NR	0
EDR US Hist Auto Stat	0.250		0	0	NR	NR	NR	0
EDR US Hist Cleaners	0.250		0	0	NR	NR	NR	0

### EDR RECOVERED GOVERNMENT ARCHIVES

#### ***Exclusive Recovered Govt. Archives***

RGA LUST	TP		NR	NR	NR	NR	NR	0
RGA LF	TP		NR	NR	NR	NR	NR	0

#### NOTES:

TP = Target Property

NR = Not Requested at this Search Distance

Sites may be listed in more than one database

MAP FINDINGS

Map ID  
 Direction  
 Distance  
 Elevation

Site

Database(s)

EDR ID Number  
 EPA ID Number

**1**  
**WNW**  
**1/4-1/2**  
**0.407 mi.**  
**2147 ft.**

**FED EX SEMI TRUCK WRECK**  
**HWY 101 @ SANTA MARIA WAY**  
**SANTA MARIA, CA 93455**

**SLIC S110041808**  
**N/A**

**Relative:**  
**Lower**

SLIC:

**Actual:**  
**365 ft.**

Region:	STATE
<b>Facility Status:</b>	<b>Completed - Case Closed</b>
Status Date:	03/24/2010
Global Id:	T10000001636
Lead Agency:	SANTA BARBARA COUNTY
Lead Agency Case Number:	457
Latitude:	34.8910704367425
Longitude:	-120.41764497757
Case Type:	Cleanup Program Site
Case Worker:	Not reported
Local Agency:	Not reported
RB Case Number:	Not reported
File Location:	Not reported
Potential Media Affected:	Not reported
Potential Contaminants of Concern:	Not reported
Site History:	Not reported

Click here to access the California GeoTracker records for this facility:

Count: 20 records.

ORPHAN SUMMARY

City	EDR ID	Site Name	Site Address	Zip	Database(s)
LOS ALAMOS	U001585916	CAREAGA LEASE	HIGHWAY 135	93454	HIST UST
SANTA MARIA	S110742800	SOUTHERN CA GAS CO - MT SOLOMON	HWY 1	93455	CUPA Listings
SANTA MARIA	S110742015	RANCHO LAGUNA FARMS - RANCH 2,3 &	HWY 1 & MAIN ST	93454	CUPA Listings
SANTA MARIA	S110741766	RANCHO MARIA GOLF CLUB INC	1950 HWY 1	93454	CUPA Listings
SANTA MARIA	A100338977	GREKA - JIM HOPKINS LEASE	4000 HWY 101	93454	AST
SANTA MARIA	S102440600	USDA FOREST SERVICE	HWY 166	93454	LUST
SANTA MARIA	S100182939	FRAZIER DUMP	HIGHWAY 166, 1.5 MILES WEST OF	93455	ENVIROSTOR
SANTA MARIA	S110741384	AIROX PLANT	AIROX & HWY 1	93454	CUPA Listings
SANTA MARIA	S106922475	AIROX PLANT/RICHARD P. WELDON	AIROX & HIGHWAY 1	93454	SWEEPS UST
SANTA MARIA	S110742014	RANCHO LAGUNA FARMS - RANCH 1	W BLACK RD & HWY 166	93454	CUPA Listings
SANTA MARIA	1004439447	CHRISTIAN LIFE SCHOOL	PO BOX 611		FINDS
SANTA MARIA	S107030115	SANTA MARIA AIRPORT EAST DUMP	WEST END FOSTER RD. AT BLOSSER		SWF/LF
SANTA MARIA	U001586089	CALIFORNIA HIGHWAY PATROL	3850 S HWY 101	93455	CA FID UST, CUPA Listings, SWEEPS UST
SANTA MARIA	U001586088	CALIFORNIA HIGHWAY PATROL	U.S. HWY 101 S. AT SANTA MARIA	93455	HIST UST
SANTA MARIA	S110742616	VERIZON WIRELESS - SOLOMON	5550 S HWY 101	93454	CUPA Listings
SANTA MARIA	S110741918	MAHONEY BROTHERS INC	1056 S HWY 1	93454	CUPA Listings
SANTA MARIA	1004439473	ST MARY OF THE ASSUMPTION SCHOOL	P.O.BOX 1965		FINDS
SANTA MARIA	1015726504	NEW CONTINUATION HIGH SCHOOL	2210 PRIESKER LANE	93454	US BROWNFIELDS
SANTA MARIA	S109438907	GITTE-TEN, LLC DBA PHOENIX ENERGY	7980 E SAN ANTONIO RD	93455	NPDES, CUPA Listings, CHMIRS
SANTA MONICA	1003877937	THE WATERGARDEN PROJECT	CLOVEHELD OLYMIC BLVD	93454	CERC-NFRAP

# 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: 10/25/2013	Source: EPA
Date Data Arrived at EDR: 11/11/2013	Telephone: N/A
Date Made Active in Reports: 01/28/2014	Last EDR Contact: 04/08/2014
Number of Days to Update: 78	Next Scheduled EDR Contact: 07/21/2014
	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: 10/25/2013	Source: EPA
Date Data Arrived at EDR: 11/11/2013	Telephone: N/A
Date Made Active in Reports: 01/28/2014	Last EDR Contact: 04/08/2014
Number of Days to Update: 78	Next Scheduled EDR Contact: 07/21/2014
	Data Release Frequency: Quarterly

#### **NPL LIENS: Federal Superfund Liens**

Federal Superfund Liens. Under the authority granted the USEPA by CERCLA of 1980, the USEPA has the authority to file liens against real property in order to recover remedial action expenditures or when the property owner received notification of potential liability. USEPA compiles a listing of filed notices of Superfund Liens.

Date of Government Version: 10/15/1991	Source: EPA
Date Data Arrived at EDR: 02/02/1994	Telephone: 202-564-4267
Date Made Active in Reports: 03/30/1994	Last EDR Contact: 08/15/2011
Number of Days to Update: 56	Next Scheduled EDR Contact: 11/28/2011
	Data Release Frequency: No Update Planned

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## ***Federal Delisted NPL site list***

DELISTED NPL: National Priority List Deletions

The National Oil and Hazardous Substances Pollution Contingency Plan (NCP) establishes the criteria that the EPA uses to delete sites from the NPL. In accordance with 40 CFR 300.425.(e), sites may be deleted from the NPL where no further response is appropriate.

Date of Government Version: 10/25/2013	Source: EPA
Date Data Arrived at EDR: 11/11/2013	Telephone: N/A
Date Made Active in Reports: 01/28/2014	Last EDR Contact: 04/08/2014
Number of Days to Update: 78	Next Scheduled EDR Contact: 07/21/2014
	Data Release Frequency: Quarterly

## ***Federal CERCLIS list***

CERCLIS: Comprehensive Environmental Response, Compensation, and Liability Information System

CERCLIS 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). CERCLIS contains sites which are either proposed to or on the National Priorities List (NPL) and sites which are in the screening and assessment phase for possible inclusion on the NPL.

Date of Government Version: 10/25/2013	Source: EPA
Date Data Arrived at EDR: 11/11/2013	Telephone: 703-412-9810
Date Made Active in Reports: 02/13/2014	Last EDR Contact: 02/28/2014
Number of Days to Update: 94	Next Scheduled EDR Contact: 06/09/2014
	Data Release Frequency: Quarterly

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: 05/31/2013	Source: Environmental Protection Agency
Date Data Arrived at EDR: 07/08/2013	Telephone: 703-603-8704
Date Made Active in Reports: 12/06/2013	Last EDR Contact: 04/11/2014
Number of Days to Update: 151	Next Scheduled EDR Contact: 07/21/2014
	Data Release Frequency: Varies

## ***Federal CERCLIS NFRAP site List***

CERCLIS-NFRAP: CERCLIS No Further Remedial Action Planned

Archived sites are sites that have been removed and archived from the inventory of CERCLIS 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 this 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. This decision does not necessarily mean that there is no hazard associated with a given site; it only means that, based upon available information, the location is not judged to be a potential NPL site.

Date of Government Version: 10/25/2013	Source: EPA
Date Data Arrived at EDR: 11/11/2013	Telephone: 703-412-9810
Date Made Active in Reports: 02/13/2014	Last EDR Contact: 02/28/2014
Number of Days to Update: 94	Next Scheduled EDR Contact: 06/09/2014
	Data Release Frequency: Quarterly

## ***Federal RCRA CORRACTS facilities list***

CORRACTS: Corrective Action Report

CORRACTS identifies hazardous waste handlers with RCRA corrective action activity.

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 03/11/2014  
Date Data Arrived at EDR: 03/13/2014  
Date Made Active in Reports: 04/09/2014  
Number of Days to Update: 27

Source: EPA  
Telephone: 800-424-9346  
Last EDR Contact: 03/13/2014  
Next Scheduled EDR Contact: 07/14/2014  
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: 03/11/2014  
Date Data Arrived at EDR: 03/13/2014  
Date Made Active in Reports: 04/09/2014  
Number of Days to Update: 27

Source: Environmental Protection Agency  
Telephone: (415) 495-8895  
Last EDR Contact: 03/13/2014  
Next Scheduled EDR Contact: 07/14/2014  
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: 03/11/2014  
Date Data Arrived at EDR: 03/13/2014  
Date Made Active in Reports: 04/09/2014  
Number of Days to Update: 27

Source: Environmental Protection Agency  
Telephone: (415) 495-8895  
Last EDR Contact: 03/13/2014  
Next Scheduled EDR Contact: 07/14/2014  
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: 03/11/2014  
Date Data Arrived at EDR: 03/13/2014  
Date Made Active in Reports: 04/09/2014  
Number of Days to Update: 27

Source: Environmental Protection Agency  
Telephone: (415) 495-8895  
Last EDR Contact: 03/13/2014  
Next Scheduled EDR Contact: 07/14/2014  
Data Release Frequency: Quarterly

### **RCRA-CESQG: RCRA - Conditionally Exempt Small Quantity Generators**

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

Date of Government Version: 03/11/2014  
Date Data Arrived at EDR: 03/13/2014  
Date Made Active in Reports: 04/09/2014  
Number of Days to Update: 27

Source: Environmental Protection Agency  
Telephone: (415) 495-8895  
Last EDR Contact: 03/13/2014  
Next Scheduled EDR Contact: 07/14/2014  
Data Release Frequency: Varies

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## ***Federal institutional controls / engineering controls registries***

### **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: 12/17/2013	Source: Environmental Protection Agency
Date Data Arrived at EDR: 01/14/2014	Telephone: 703-603-0695
Date Made Active in Reports: 01/28/2014	Last EDR Contact: 03/10/2014
Number of Days to Update: 14	Next Scheduled EDR Contact: 06/23/2014
	Data Release Frequency: Varies

### **US INST CONTROL: Sites with Institutional Controls**

A listing of sites with institutional controls in place. Institutional controls include administrative measures, such as groundwater use restrictions, construction restrictions, property use restrictions, and post remediation care requirements intended to prevent exposure to contaminants remaining on site. Deed restrictions are generally required as part of the institutional controls.

Date of Government Version: 12/17/2013	Source: Environmental Protection Agency
Date Data Arrived at EDR: 01/14/2014	Telephone: 703-603-0695
Date Made Active in Reports: 01/28/2014	Last EDR Contact: 03/10/2014
Number of Days to Update: 14	Next Scheduled EDR Contact: 06/23/2014
	Data Release Frequency: Varies

### **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: 02/26/2014	Source: Department of the Navy
Date Data Arrived at EDR: 02/28/2014	Telephone: 843-820-7326
Date Made Active in Reports: 04/24/2014	Last EDR Contact: 02/14/2014
Number of Days to Update: 55	Next Scheduled EDR Contact: 06/02/2014
	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: 09/30/2013	Source: National Response Center, United States Coast Guard
Date Data Arrived at EDR: 10/01/2013	Telephone: 202-267-2180
Date Made Active in Reports: 12/06/2013	Last EDR Contact: 04/04/2014
Number of Days to Update: 66	Next Scheduled EDR Contact: 07/14/2014
	Data Release Frequency: Annually

## ***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: 03/12/2014	Source: Department of Toxic Substances Control
Date Data Arrived at EDR: 03/13/2014	Telephone: 916-323-3400
Date Made Active in Reports: 04/10/2014	Last EDR Contact: 05/06/2014
Number of Days to Update: 28	Next Scheduled EDR Contact: 08/18/2014
	Data Release Frequency: Quarterly

## ***State- and tribal - equivalent CERCLIS***

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## ENVIROSTOR: EnviroStor Database

The Department of Toxic Substances Control's (DTSC's) Site Mitigation and Brownfields Reuse Program's (SMBRP's) EnviroStor database identifies sites that have known contamination or sites for which there may be reasons to investigate further. The database includes the following site types: Federal Superfund sites (National Priorities List (NPL)); State Response, including Military Facilities and State Superfund; Voluntary Cleanup; and School sites. EnviroStor provides similar information to the information that was available in CalSites, and provides additional site information, including, but not limited to, identification of formerly-contaminated properties that have been released for reuse, properties where environmental deed restrictions have been recorded to prevent inappropriate land uses, and risk characterization information that is used to assess potential impacts to public health and the environment at contaminated sites.

Date of Government Version: 03/12/2014	Source: Department of Toxic Substances Control
Date Data Arrived at EDR: 03/13/2014	Telephone: 916-323-3400
Date Made Active in Reports: 04/10/2014	Last EDR Contact: 05/06/2014
Number of Days to Update: 28	Next Scheduled EDR Contact: 08/18/2014
	Data Release Frequency: Quarterly

## **State and tribal landfill and/or solid waste disposal site lists**

### SWF/LF (SWIS): Solid Waste Information System

Active, Closed and Inactive Landfills. SWF/LF records typically contain an inventory of solid waste disposal facilities or landfills. These may be active or inactive facilities or open dumps that failed to meet RCRA Section 4004 criteria for solid waste landfills or disposal sites.

Date of Government Version: 02/14/2014	Source: Department of Resources Recycling and Recovery
Date Data Arrived at EDR: 02/18/2014	Telephone: 916-341-6320
Date Made Active in Reports: 03/18/2014	Last EDR Contact: 02/18/2014
Number of Days to Update: 28	Next Scheduled EDR Contact: 06/02/2014
	Data Release Frequency: Quarterly

## **State and tribal leaking storage tank lists**

### LUST REG 6V: Leaking Underground Storage Tank Case Listing

Leaking Underground Storage Tank locations. Inyo, Kern, Los Angeles, Mono, San Bernardino counties.

Date of Government Version: 06/07/2005	Source: California Regional Water Quality Control Board Victorville Branch Office (6)
Date Data Arrived at EDR: 06/07/2005	Telephone: 760-241-7365
Date Made Active in Reports: 06/29/2005	Last EDR Contact: 09/12/2011
Number of Days to Update: 22	Next Scheduled EDR Contact: 12/26/2011
	Data Release Frequency: No Update Planned

### LUST REG 2: Fuel Leak List

Leaking Underground Storage Tank locations. Alameda, Contra Costa, Marin, Napa, San Francisco, San Mateo, Santa Clara, Solano, Sonoma counties.

Date of Government Version: 09/30/2004	Source: California Regional Water Quality Control Board San Francisco Bay Region (2)
Date Data Arrived at EDR: 10/20/2004	Telephone: 510-622-2433
Date Made Active in Reports: 11/19/2004	Last EDR Contact: 09/19/2011
Number of Days to Update: 30	Next Scheduled EDR Contact: 01/02/2012
	Data Release Frequency: Quarterly

### LUST REG 5: Leaking Underground Storage Tank Database

Leaking Underground Storage Tank locations. Alameda, Alpine, Amador, Butte, Colusa, Contra Costa, Calaveras, 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	Source: California Regional Water Quality Control Board Central Valley Region (5)
Date Data Arrived at EDR: 07/22/2008	Telephone: 916-464-4834
Date Made Active in Reports: 07/31/2008	Last EDR Contact: 07/01/2011
Number of Days to Update: 9	Next Scheduled EDR Contact: 10/17/2011
	Data Release Frequency: No Update Planned



# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## 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	Source: California Regional Water Quality Control Board Los Angeles Region (4)
Date Data Arrived at EDR: 09/07/2004	Telephone: 213-576-6710
Date Made Active in Reports: 10/12/2004	Last EDR Contact: 09/06/2011
Number of Days to Update: 35	Next Scheduled EDR Contact: 12/19/2011
	Data Release Frequency: No Update Planned

## LUST REG 3: Leaking Underground Storage Tank Database

Leaking Underground Storage Tank locations. Monterey, San Benito, San Luis Obispo, Santa Barbara, Santa Cruz counties.

Date of Government Version: 05/19/2003	Source: California Regional Water Quality Control Board Central Coast Region (3)
Date Data Arrived at EDR: 05/19/2003	Telephone: 805-542-4786
Date Made Active in Reports: 06/02/2003	Last EDR Contact: 07/18/2011
Number of Days to Update: 14	Next Scheduled EDR Contact: 10/31/2011
	Data Release Frequency: No Update Planned

## LUST REG 7: Leaking Underground Storage Tank Case Listing

Leaking Underground Storage Tank locations. Imperial, Riverside, San Diego, Santa Barbara counties.

Date of Government Version: 02/26/2004	Source: California Regional Water Quality Control Board Colorado River Basin Region (7)
Date Data Arrived at EDR: 02/26/2004	Telephone: 760-776-8943
Date Made Active in Reports: 03/24/2004	Last EDR Contact: 08/01/2011
Number of Days to Update: 27	Next Scheduled EDR Contact: 11/14/2011
	Data Release Frequency: No Update Planned

## LUST REG 8: Leaking Underground Storage Tanks

California Regional Water Quality Control Board Santa Ana Region (8). For more current information, please refer to the State Water Resources Control Board's LUST database.

Date of Government Version: 02/14/2005	Source: California Regional Water Quality Control Board Santa Ana Region (8)
Date Data Arrived at EDR: 02/15/2005	Telephone: 909-782-4496
Date Made Active in Reports: 03/28/2005	Last EDR Contact: 08/15/2011
Number of Days to Update: 41	Next Scheduled EDR Contact: 11/28/2011
	Data Release Frequency: Varies

## LUST REG 9: Leaking Underground Storage Tank Report

Orange, Riverside, San Diego counties. For more current information, please refer to the State Water Resources Control Board's LUST database.

Date of Government Version: 03/01/2001	Source: California Regional Water Quality Control Board San Diego Region (9)
Date Data Arrived at EDR: 04/23/2001	Telephone: 858-637-5595
Date Made Active in Reports: 05/21/2001	Last EDR Contact: 09/26/2011
Number of Days to Update: 28	Next Scheduled EDR Contact: 01/09/2012
	Data Release Frequency: No Update Planned

## LUST REG 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	Source: California Regional Water Quality Control Board Lahontan Region (6)
Date Data Arrived at EDR: 09/10/2003	Telephone: 530-542-5572
Date Made Active in Reports: 10/07/2003	Last EDR Contact: 09/12/2011
Number of Days to Update: 27	Next Scheduled EDR Contact: 12/26/2011
	Data Release Frequency: No Update Planned

## LUST: Geotracker's Leaking Underground Fuel Tank Report

Leaking Underground Storage Tank Incident Reports. LUST records contain an inventory of reported leaking underground storage tank incidents. Not all states maintain these records, and the information stored varies by state. For more information on a particular leaking underground storage tank sites, please contact the appropriate regulatory agency.

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 03/17/2014  
Date Data Arrived at EDR: 03/19/2014  
Date Made Active in Reports: 04/24/2014  
Number of Days to Update: 36

Source: State Water Resources Control Board  
Telephone: see region list  
Last EDR Contact: 05/01/2014  
Next Scheduled EDR Contact: 06/30/2014  
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

## SLIC: Statewide SLIC Cases

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: 03/17/2014  
Date Data Arrived at EDR: 03/19/2014  
Date Made Active in Reports: 04/28/2014  
Number of Days to Update: 40

Source: State Water Resources Control Board  
Telephone: 866-480-1028  
Last EDR Contact: 05/01/2014  
Next Scheduled EDR Contact: 06/30/2014  
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: Quarterly

## SLIC REG 3: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 05/18/2006  
Date Data Arrived at EDR: 05/18/2006  
Date Made Active in Reports: 06/15/2006  
Number of Days to Update: 28

Source: California Regional Water Quality Control Board Central Coast Region (3)  
Telephone: 805-549-3147  
Last EDR Contact: 07/18/2011  
Next Scheduled EDR Contact: 10/31/2011  
Data Release Frequency: Semi-Annually

## SLIC REG 4: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 11/17/2004  
Date Data Arrived at EDR: 11/18/2004  
Date Made Active in Reports: 01/04/2005  
Number of Days to Update: 47

Source: Region Water Quality Control Board Los Angeles Region (4)  
Telephone: 213-576-6600  
Last EDR Contact: 07/01/2011  
Next Scheduled EDR Contact: 10/17/2011  
Data Release Frequency: Varies

## SLIC REG 5: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 04/01/2005  
Date Data Arrived at EDR: 04/05/2005  
Date Made Active in Reports: 04/21/2005  
Number of Days to Update: 16

Source: Regional Water Quality Control Board Central Valley Region (5)  
Telephone: 916-464-3291  
Last EDR Contact: 09/12/2011  
Next Scheduled EDR Contact: 12/26/2011  
Data Release Frequency: Semi-Annually

## SLIC REG 6V: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 05/24/2005  
Date Data Arrived at EDR: 05/25/2005  
Date Made Active in Reports: 06/16/2005  
Number of Days to Update: 22

Source: Regional Water Quality Control Board, Victorville Branch  
Telephone: 619-241-6583  
Last EDR Contact: 08/15/2011  
Next Scheduled EDR Contact: 11/28/2011  
Data Release Frequency: Semi-Annually

## SLIC REG 6L: SLIC Sites

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 09/07/2004  
Date Data Arrived at EDR: 09/07/2004  
Date Made Active in Reports: 10/12/2004  
Number of Days to Update: 35

Source: California Regional Water Quality Control Board, Lahontan Region  
Telephone: 530-542-5574  
Last EDR Contact: 08/15/2011  
Next Scheduled EDR Contact: 11/28/2011  
Data Release Frequency: No Update Planned

## SLIC REG 7: SLIC List

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 11/24/2004  
Date Data Arrived at EDR: 11/29/2004  
Date Made Active in Reports: 01/04/2005  
Number of Days to Update: 36

Source: California Regional Quality Control Board, Colorado River Basin Region  
Telephone: 760-346-7491  
Last EDR Contact: 08/01/2011  
Next Scheduled EDR Contact: 11/14/2011  
Data Release Frequency: No Update Planned

## SLIC REG 8: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 04/03/2008  
Date Data Arrived at EDR: 04/03/2008  
Date Made Active in Reports: 04/14/2008  
Number of Days to Update: 11

Source: California Region Water Quality Control Board Santa Ana Region (8)  
Telephone: 951-782-3298  
Last EDR Contact: 09/12/2011  
Next Scheduled EDR Contact: 12/26/2011  
Data Release Frequency: Semi-Annually

## SLIC REG 9: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

## GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 09/10/2007  
Date Data Arrived at EDR: 09/11/2007  
Date Made Active in Reports: 09/28/2007  
Number of Days to Update: 17

Source: California Regional Water Quality Control Board San Diego Region (9)  
Telephone: 858-467-2980  
Last EDR Contact: 08/08/2011  
Next Scheduled EDR Contact: 11/21/2011  
Data Release Frequency: Annually

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: 02/01/2013  
Date Data Arrived at EDR: 05/01/2013  
Date Made Active in Reports: 11/01/2013  
Number of Days to Update: 184

Source: EPA Region 1  
Telephone: 617-918-1313  
Last EDR Contact: 05/02/2014  
Next Scheduled EDR Contact: 08/11/2014  
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: 11/21/2013  
Date Data Arrived at EDR: 11/26/2013  
Date Made Active in Reports: 02/24/2014  
Number of Days to Update: 90

Source: EPA Region 4  
Telephone: 404-562-8677  
Last EDR Contact: 04/22/2014  
Next Scheduled EDR Contact: 08/11/2014  
Data Release Frequency: Semi-Annually

INDIAN LUST R6: Leaking Underground Storage Tanks on Indian Land  
LUSTs on Indian land in New Mexico and Oklahoma.

Date of Government Version: 09/12/2011  
Date Data Arrived at EDR: 09/13/2011  
Date Made Active in Reports: 11/11/2011  
Number of Days to Update: 59

Source: EPA Region 6  
Telephone: 214-665-6597  
Last EDR Contact: 02/21/2014  
Next Scheduled EDR Contact: 05/12/2014  
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: 02/20/2014  
Date Data Arrived at EDR: 02/21/2014  
Date Made Active in Reports: 04/24/2014  
Number of Days to Update: 62

Source: EPA Region 7  
Telephone: 913-551-7003  
Last EDR Contact: 04/28/2014  
Next Scheduled EDR Contact: 08/11/2014  
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: 08/27/2012  
Date Data Arrived at EDR: 08/28/2012  
Date Made Active in Reports: 10/16/2012  
Number of Days to Update: 49

Source: EPA Region 8  
Telephone: 303-312-6271  
Last EDR Contact: 04/28/2014  
Next Scheduled EDR Contact: 08/11/2014  
Data Release Frequency: Quarterly

INDIAN LUST R10: Leaking Underground Storage Tanks on Indian Land  
LUSTs on Indian land in Alaska, Idaho, Oregon and Washington.

Date of Government Version: 11/06/2013  
Date Data Arrived at EDR: 11/07/2013  
Date Made Active in Reports: 12/06/2013  
Number of Days to Update: 29

Source: EPA Region 10  
Telephone: 206-553-2857  
Last EDR Contact: 04/28/2014  
Next Scheduled EDR Contact: 08/11/2014  
Data Release Frequency: Quarterly

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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: 03/01/2013	Source: Environmental Protection Agency
Date Data Arrived at EDR: 03/01/2013	Telephone: 415-972-3372
Date Made Active in Reports: 04/12/2013	Last EDR Contact: 04/28/2014
Number of Days to Update: 42	Next Scheduled EDR Contact: 08/11/2014
	Data Release Frequency: Quarterly

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: 02/13/2014	Source: EPA, Region 5
Date Data Arrived at EDR: 02/14/2014	Telephone: 312-886-7439
Date Made Active in Reports: 02/24/2014	Last EDR Contact: 04/28/2014
Number of Days to Update: 10	Next Scheduled EDR Contact: 08/11/2014
	Data Release Frequency: Varies

## **State and tribal registered storage tank lists**

UST: Active UST Facilities

Active UST facilities gathered from the local regulatory agencies

Date of Government Version: 03/17/2014	Source: SWRCB
Date Data Arrived at EDR: 03/19/2014	Telephone: 916-341-5851
Date Made Active in Reports: 04/25/2014	Last EDR Contact: 03/19/2014
Number of Days to Update: 37	Next Scheduled EDR Contact: 06/30/2014
	Data Release Frequency: Semi-Annually

AST: Aboveground Petroleum Storage Tank Facilities

A listing of aboveground storage tank petroleum storage tank locations.

Date of Government Version: 08/01/2009	Source: California Environmental Protection Agency
Date Data Arrived at EDR: 09/10/2009	Telephone: 916-327-5092
Date Made Active in Reports: 10/01/2009	Last EDR Contact: 04/07/2014
Number of Days to Update: 21	Next Scheduled EDR Contact: 07/21/2014
	Data Release Frequency: Quarterly

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: 02/01/2013	Source: EPA, Region 1
Date Data Arrived at EDR: 05/01/2013	Telephone: 617-918-1313
Date Made Active in Reports: 01/27/2014	Last EDR Contact: 05/02/2014
Number of Days to Update: 271	Next Scheduled EDR Contact: 08/11/2014
	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: 11/21/2013	Source: EPA Region 4
Date Data Arrived at EDR: 11/26/2013	Telephone: 404-562-9424
Date Made Active in Reports: 02/24/2014	Last EDR Contact: 04/22/2014
Number of Days to Update: 90	Next Scheduled EDR Contact: 08/11/2014
	Data Release Frequency: Semi-Annually

## GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

### 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: 02/13/2014	Source: EPA Region 5
Date Data Arrived at EDR: 02/14/2014	Telephone: 312-886-6136
Date Made Active in Reports: 02/24/2014	Last EDR Contact: 04/28/2014
Number of Days to Update: 10	Next Scheduled EDR Contact: 08/11/2014
	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: 02/20/2014	Source: EPA Region 7
Date Data Arrived at EDR: 02/21/2014	Telephone: 913-551-7003
Date Made Active in Reports: 04/24/2014	Last EDR Contact: 04/28/2014
Number of Days to Update: 62	Next Scheduled EDR Contact: 08/11/2014
	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: 07/29/2013	Source: EPA Region 8
Date Data Arrived at EDR: 08/01/2013	Telephone: 303-312-6137
Date Made Active in Reports: 11/01/2013	Last EDR Contact: 04/28/2014
Number of Days to Update: 92	Next Scheduled EDR Contact: 08/11/2014
	Data Release Frequency: Quarterly

### 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: 07/29/2013	Source: EPA Region 9
Date Data Arrived at EDR: 07/30/2013	Telephone: 415-972-3368
Date Made Active in Reports: 12/06/2013	Last EDR Contact: 04/28/2014
Number of Days to Update: 129	Next Scheduled EDR Contact: 08/11/2014
	Data Release Frequency: Quarterly

### 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: 02/05/2013	Source: EPA Region 10
Date Data Arrived at EDR: 02/06/2013	Telephone: 206-553-2857
Date Made Active in Reports: 04/12/2013	Last EDR Contact: 04/28/2014
Number of Days to Update: 65	Next Scheduled EDR Contact: 08/11/2014
	Data Release Frequency: Quarterly

### 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: 01/29/2014	Source: EPA Region 6
Date Data Arrived at EDR: 01/29/2014	Telephone: 214-665-7591
Date Made Active in Reports: 03/12/2014	Last EDR Contact: 01/27/2014
Number of Days to Update: 42	Next Scheduled EDR Contact: 05/12/2014
	Data Release Frequency: Semi-Annually

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## FEMA UST: Underground Storage Tank Listing

A listing of all FEMA owned underground storage tanks.

Date of Government Version: 01/01/2010	Source: FEMA
Date Data Arrived at EDR: 02/16/2010	Telephone: 202-646-5797
Date Made Active in Reports: 04/12/2010	Last EDR Contact: 04/15/2014
Number of Days to Update: 55	Next Scheduled EDR Contact: 07/28/2014
	Data Release Frequency: Varies

## **State and tribal voluntary cleanup sites**

### VCP: Voluntary Cleanup Program Properties

Contains low threat level properties with either confirmed or unconfirmed releases and the project proponents have request that DTSC oversee investigation and/or cleanup activities and have agreed to provide coverage for DTSC's costs.

Date of Government Version: 03/12/2014	Source: Department of Toxic Substances Control
Date Data Arrived at EDR: 03/13/2014	Telephone: 916-323-3400
Date Made Active in Reports: 04/10/2014	Last EDR Contact: 05/06/2014
Number of Days to Update: 28	Next Scheduled EDR Contact: 08/18/2014
	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: 09/17/2013	Source: EPA, Region 1
Date Data Arrived at EDR: 10/01/2013	Telephone: 617-918-1102
Date Made Active in Reports: 12/06/2013	Last EDR Contact: 04/01/2014
Number of Days to Update: 66	Next Scheduled EDR Contact: 07/14/2014
	Data Release Frequency: Varies

### INDIAN VCP R7: Voluntary Cleanup Priority Listing

A listing of voluntary cleanup priority sites located on Indian Land located in Region 7.

Date of Government Version: 03/20/2008	Source: EPA, Region 7
Date Data Arrived at EDR: 04/22/2008	Telephone: 913-551-7365
Date Made Active in Reports: 05/19/2008	Last EDR Contact: 04/20/2009
Number of Days to Update: 27	Next Scheduled EDR Contact: 07/20/2009
	Data Release Frequency: Varies

## **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: 03/20/2014	Source: Environmental Protection Agency
Date Data Arrived at EDR: 03/20/2014	Telephone: 202-566-2777
Date Made Active in Reports: 04/09/2014	Last EDR Contact: 03/20/2014
Number of Days to Update: 20	Next Scheduled EDR Contact: 07/07/2014
	Data Release Frequency: Semi-Annually

### **Local Lists of Landfill / Solid Waste Disposal Sites**

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## 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	Source: Environmental Protection Agency
Date Data Arrived at EDR: 08/09/2004	Telephone: 800-424-9346
Date Made Active in Reports: 09/17/2004	Last EDR Contact: 06/09/2004
Number of Days to Update: 39	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	Source: EPA, Region 9
Date Data Arrived at EDR: 05/07/2009	Telephone: 415-947-4219
Date Made Active in Reports: 09/21/2009	Last EDR Contact: 04/28/2014
Number of Days to Update: 137	Next Scheduled EDR Contact: 08/11/2014
	Data Release Frequency: No Update Planned

## 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	Source: State Water Resources Control Board
Date Data Arrived at EDR: 04/10/2000	Telephone: 916-227-4448
Date Made Active in Reports: 05/10/2000	Last EDR Contact: 05/07/2014
Number of Days to Update: 30	Next Scheduled EDR Contact: 08/25/2014
	Data Release Frequency: No Update Planned

## SWRCY: Recycler Database

A listing of recycling facilities in California.

Date of Government Version: 03/17/2014	Source: Department of Conservation
Date Data Arrived at EDR: 03/18/2014	Telephone: 916-323-3836
Date Made Active in Reports: 04/24/2014	Last EDR Contact: 03/18/2014
Number of Days to Update: 37	Next Scheduled EDR Contact: 06/30/2014
	Data Release Frequency: Quarterly

## HAULERS: Registered Waste Tire Haulers Listing

A listing of registered waste tire haulers.

Date of Government Version: 02/18/2014	Source: Integrated Waste Management Board
Date Data Arrived at EDR: 02/20/2014	Telephone: 916-341-6422
Date Made Active in Reports: 03/27/2014	Last EDR Contact: 02/14/2014
Number of Days to Update: 35	Next Scheduled EDR Contact: 06/02/2014
	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	Source: Environmental Protection Agency
Date Data Arrived at EDR: 12/03/2007	Telephone: 703-308-8245
Date Made Active in Reports: 01/24/2008	Last EDR Contact: 05/02/2014
Number of Days to Update: 32	Next Scheduled EDR Contact: 08/18/2014
	Data Release Frequency: Varies



# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## **Local Lists of Hazardous waste / Contaminated Sites**

### **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: 12/04/2013	Source: Drug Enforcement Administration
Date Data Arrived at EDR: 12/10/2013	Telephone: 202-307-1000
Date Made Active in Reports: 02/13/2014	Last EDR Contact: 03/04/2014
Number of Days to Update: 65	Next Scheduled EDR Contact: 06/16/2014
	Data Release Frequency: Quarterly

### **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	Source: Department of Toxic Substance Control
Date Data Arrived at EDR: 08/03/2006	Telephone: 916-323-3400
Date Made Active in Reports: 08/24/2006	Last EDR Contact: 02/23/2009
Number of Days to Update: 21	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: 03/12/2014	Source: Department of Toxic Substances Control
Date Data Arrived at EDR: 03/13/2014	Telephone: 916-323-3400
Date Made Active in Reports: 04/10/2014	Last EDR Contact: 05/06/2014
Number of Days to Update: 28	Next Scheduled EDR Contact: 08/18/2014
	Data Release Frequency: Quarterly

### **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	Source: State Water Resources Control Board
Date Data Arrived at EDR: 08/30/1995	Telephone: 916-227-4364
Date Made Active in Reports: 09/26/1995	Last EDR Contact: 01/26/2009
Number of Days to Update: 27	Next Scheduled EDR Contact: 04/27/2009
	Data Release Frequency: No Update Planned

### **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: 12/31/2013	Source: Department of Toxic Substances Control
Date Data Arrived at EDR: 02/28/2014	Telephone: 916-255-6504
Date Made Active in Reports: 03/20/2014	Last EDR Contact: 04/10/2014
Number of Days to Update: 20	Next Scheduled EDR Contact: 07/28/2014
	Data Release Frequency: Varies

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## US HIST CDL: National Clandestine Laboratory Register

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: 09/01/2007	Source: Drug Enforcement Administration
Date Data Arrived at EDR: 11/19/2008	Telephone: 202-307-1000
Date Made Active in Reports: 03/30/2009	Last EDR Contact: 03/04/2014
Number of Days to Update: 131	Next Scheduled EDR Contact: 06/16/2014
	Data Release Frequency: No Update Planned

## **Local Lists of Registered Storage Tanks**

### 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	Source: California Environmental Protection Agency
Date Data Arrived at EDR: 09/05/1995	Telephone: 916-341-5851
Date Made Active in Reports: 09/29/1995	Last EDR Contact: 12/28/1998
Number of Days to Update: 24	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: 09/23/2009	Source: Department of Public Health
Date Data Arrived at EDR: 09/23/2009	Telephone: 707-463-4466
Date Made Active in Reports: 10/01/2009	Last EDR Contact: 03/03/2014
Number of Days to Update: 8	Next Scheduled EDR Contact: 06/16/2014
	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	Source: State Water Resources Control Board
Date Data Arrived at EDR: 01/25/1991	Telephone: 916-341-5851
Date Made Active in Reports: 02/12/1991	Last EDR Contact: 07/26/2001
Number of Days to Update: 18	Next Scheduled EDR Contact: N/A
	Data Release Frequency: No Update Planned

### 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	Source: State Water Resources Control Board
Date Data Arrived at EDR: 07/07/2005	Telephone: N/A
Date Made Active in Reports: 08/11/2005	Last EDR Contact: 06/03/2005
Number of Days to Update: 35	Next Scheduled EDR Contact: N/A
	Data Release Frequency: No Update Planned

## **Local Land Records**

### 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.

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 02/18/2014  
Date Data Arrived at EDR: 03/18/2014  
Date Made Active in Reports: 04/24/2014  
Number of Days to Update: 37

Source: Environmental Protection Agency  
Telephone: 202-564-6023  
Last EDR Contact: 04/28/2014  
Next Scheduled EDR Contact: 08/11/2014  
Data Release Frequency: Varies

## LIENS: Environmental Liens Listing

A listing of property locations with environmental liens for California where DTSC is a lien holder.

Date of Government Version: 01/17/2014  
Date Data Arrived at EDR: 01/21/2014  
Date Made Active in Reports: 02/11/2014  
Number of Days to Update: 21

Source: Department of Toxic Substances Control  
Telephone: 916-323-3400  
Last EDR Contact: 03/10/2014  
Next Scheduled EDR Contact: 06/23/2014  
Data Release Frequency: Varies

## 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: 03/10/2014  
Date Data Arrived at EDR: 03/11/2014  
Date Made Active in Reports: 04/10/2014  
Number of Days to Update: 30

Source: DTSC and SWRCB  
Telephone: 916-323-3400  
Last EDR Contact: 03/11/2014  
Next Scheduled EDR Contact: 06/23/2014  
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: 12/31/2013  
Date Data Arrived at EDR: 01/03/2014  
Date Made Active in Reports: 02/24/2014  
Number of Days to Update: 52

Source: U.S. Department of Transportation  
Telephone: 202-366-4555  
Last EDR Contact: 04/01/2014  
Next Scheduled EDR Contact: 07/14/2014  
Data Release Frequency: Annually

### 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: 10/14/2013  
Date Data Arrived at EDR: 10/30/2013  
Date Made Active in Reports: 12/03/2013  
Number of Days to Update: 34

Source: Office of Emergency Services  
Telephone: 916-845-8400  
Last EDR Contact: 04/29/2014  
Next Scheduled EDR Contact: 08/11/2014  
Data Release Frequency: Varies

### LDS: Land Disposal Sites Listing

The Land Disposal program regulates of waste discharge to land for treatment, storage and disposal in waste management units.

Date of Government Version: 03/17/2014  
Date Data Arrived at EDR: 03/19/2014  
Date Made Active in Reports: 04/24/2014  
Number of Days to Update: 36

Source: State Water Quality Control Board  
Telephone: 866-480-1028  
Last EDR Contact: 05/01/2014  
Next Scheduled EDR Contact: 06/30/2014  
Data Release Frequency: Quarterly

## GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

### MCS: Military Cleanup Sites Listing

The State Water Resources Control Board and nine Regional Water Quality Control Boards partner with the Department of Defense (DoD) through the Defense and State Memorandum of Agreement (DSMOA) to oversee the investigation and remediation of water quality issues at military facilities.

Date of Government Version: 03/17/2014	Source: State Water Resources Control Board
Date Data Arrived at EDR: 03/19/2014	Telephone: 866-480-1028
Date Made Active in Reports: 04/25/2014	Last EDR Contact: 05/01/2014
Number of Days to Update: 37	Next Scheduled EDR Contact: 06/30/2014
	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	Source: FirstSearch
Date Data Arrived at EDR: 01/03/2013	Telephone: N/A
Date Made Active in Reports: 02/22/2013	Last EDR Contact: 01/03/2013
Number of Days to Update: 50	Next Scheduled EDR Contact: N/A
	Data Release Frequency: No Update Planned

### **Other Ascertainable Records**

#### RCRA NonGen / NLR: RCRA - Non Generators

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: 03/11/2014	Source: Environmental Protection Agency
Date Data Arrived at EDR: 03/13/2014	Telephone: (415) 495-8895
Date Made Active in Reports: 04/09/2014	Last EDR Contact: 03/13/2014
Number of Days to Update: 27	Next Scheduled EDR Contact: 07/14/2014
	Data Release Frequency: Varies

#### DOT OPS: Incident and Accident Data

Department of Transportation, Office of Pipeline Safety Incident and Accident data.

Date of Government Version: 07/31/2012	Source: Department of Transportation, Office of Pipeline Safety
Date Data Arrived at EDR: 08/07/2012	Telephone: 202-366-4595
Date Made Active in Reports: 09/18/2012	Last EDR Contact: 05/06/2014
Number of Days to Update: 42	Next Scheduled EDR Contact: 08/18/2014
	Data Release Frequency: Varies

#### DOD: Department of Defense Sites

This data set consists of federally owned or administered lands, administered by the Department of Defense, that have any area equal to or greater than 640 acres of the United States, Puerto Rico, and the U.S. Virgin Islands.

Date of Government Version: 12/31/2005	Source: USGS
Date Data Arrived at EDR: 11/10/2006	Telephone: 888-275-8747
Date Made Active in Reports: 01/11/2007	Last EDR Contact: 04/18/2014
Number of Days to Update: 62	Next Scheduled EDR Contact: 07/28/2014
	Data Release Frequency: Semi-Annually

#### 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.

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 12/31/2012  
Date Data Arrived at EDR: 02/28/2014  
Date Made Active in Reports: 04/24/2014  
Number of Days to Update: 55

Source: U.S. Army Corps of Engineers  
Telephone: 202-528-4285  
Last EDR Contact: 03/10/2014  
Next Scheduled EDR Contact: 06/23/2014  
Data Release Frequency: Varies

## CONSENT: Superfund (CERCLA) Consent Decrees

Major legal settlements that establish responsibility and standards for cleanup at NPL (Superfund) sites. Released periodically by United States District Courts after settlement by parties to litigation matters.

Date of Government Version: 12/31/2013  
Date Data Arrived at EDR: 01/24/2014  
Date Made Active in Reports: 02/24/2014  
Number of Days to Update: 31

Source: Department of Justice, Consent Decree Library  
Telephone: Varies  
Last EDR Contact: 03/27/2014  
Next Scheduled EDR Contact: 07/14/2014  
Data Release Frequency: Varies

## 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: 11/25/2013  
Date Data Arrived at EDR: 12/12/2013  
Date Made Active in Reports: 02/24/2014  
Number of Days to Update: 74

Source: EPA  
Telephone: 703-416-0223  
Last EDR Contact: 03/11/2014  
Next Scheduled EDR Contact: 06/23/2014  
Data Release Frequency: Annually

## 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: 09/14/2010  
Date Data Arrived at EDR: 10/07/2011  
Date Made Active in Reports: 03/01/2012  
Number of Days to Update: 146

Source: Department of Energy  
Telephone: 505-845-0011  
Last EDR Contact: 02/25/2014  
Next Scheduled EDR Contact: 06/09/2014  
Data Release Frequency: Varies

## US MINES: Mines Master Index File

Contains all mine identification numbers issued for mines active or opened since 1971. The data also includes violation information.

Date of Government Version: 08/01/2013  
Date Data Arrived at EDR: 09/05/2013  
Date Made Active in Reports: 10/03/2013  
Number of Days to Update: 28

Source: Department of Labor, Mine Safety and Health Administration  
Telephone: 303-231-5959  
Last EDR Contact: 03/05/2014  
Next Scheduled EDR Contact: 06/16/2014  
Data Release Frequency: Semi-Annually

## 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: 12/31/2011  
Date Data Arrived at EDR: 07/31/2013  
Date Made Active in Reports: 09/13/2013  
Number of Days to Update: 44

Source: EPA  
Telephone: 202-566-0250  
Last EDR Contact: 02/26/2014  
Next Scheduled EDR Contact: 06/09/2014  
Data Release Frequency: Annually

## 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.

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 12/31/2006  
Date Data Arrived at EDR: 09/29/2010  
Date Made Active in Reports: 12/02/2010  
Number of Days to Update: 64

Source: EPA  
Telephone: 202-260-5521  
Last EDR Contact: 03/28/2014  
Next Scheduled EDR Contact: 07/07/2014  
Data Release Frequency: Every 4 Years

**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: 02/24/2014  
Next Scheduled EDR Contact: 06/09/2014  
Data Release Frequency: Quarterly

**FTTS INSP: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)**  
A listing of FIFRA/TSCA Tracking System (FTTS) inspections and enforcements.

Date of Government Version: 04/09/2009  
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: 02/24/2014  
Next Scheduled EDR Contact: 06/09/2014  
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

**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.

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 12/31/2009  
Date Data Arrived at EDR: 12/10/2010  
Date Made Active in Reports: 02/25/2011  
Number of Days to Update: 77

Source: EPA  
Telephone: 202-564-4203  
Last EDR Contact: 04/29/2014  
Next Scheduled EDR Contact: 08/11/2014  
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: 07/20/2011  
Date Data Arrived at EDR: 11/10/2011  
Date Made Active in Reports: 01/10/2012  
Number of Days to Update: 61

Source: Environmental Protection Agency  
Telephone: 202-564-5088  
Last EDR Contact: 10/09/2014  
Next Scheduled EDR Contact: 07/21/2014  
Data Release Frequency: Quarterly

## PADS: PCB Activity Database System

PCB Activity Database. PADS Identifies generators, transporters, commercial storers and/or brokers and disposers of PCB's who are required to notify the EPA of such activities.

Date of Government Version: 06/01/2013  
Date Data Arrived at EDR: 07/17/2013  
Date Made Active in Reports: 11/01/2013  
Number of Days to Update: 107

Source: EPA  
Telephone: 202-566-0500  
Last EDR Contact: 04/18/2014  
Next Scheduled EDR Contact: 07/28/2014  
Data Release Frequency: Annually

## 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: 07/22/2013  
Date Data Arrived at EDR: 08/02/2013  
Date Made Active in Reports: 11/01/2013  
Number of Days to Update: 91

Source: Nuclear Regulatory Commission  
Telephone: 301-415-7169  
Last EDR Contact: 03/10/2014  
Next Scheduled EDR Contact: 06/23/2014  
Data Release Frequency: Quarterly

## 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: 01/09/2014  
Date Data Arrived at EDR: 01/10/2014  
Date Made Active in Reports: 03/12/2014  
Number of Days to Update: 61

Source: Environmental Protection Agency  
Telephone: 202-343-9775  
Last EDR Contact: 04/09/2014  
Next Scheduled EDR Contact: 07/21/2014  
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: 11/18/2013  
Date Data Arrived at EDR: 02/27/2014  
Date Made Active in Reports: 03/12/2014  
Number of Days to Update: 13

Source: EPA  
Telephone: (415) 947-8000  
Last EDR Contact: 03/14/2014  
Next Scheduled EDR Contact: 06/23/2014  
Data Release Frequency: Quarterly

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## 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	Source: EPA
Date Data Arrived at EDR: 07/03/1995	Telephone: 202-564-4104
Date Made Active in Reports: 08/07/1995	Last EDR Contact: 06/02/2008
Number of Days to Update: 35	Next Scheduled EDR Contact: 09/01/2008
	Data Release Frequency: No Update Planned

## 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: 11/01/2013	Source: Environmental Protection Agency
Date Data Arrived at EDR: 12/12/2013	Telephone: 202-564-8600
Date Made Active in Reports: 02/13/2014	Last EDR Contact: 04/28/2014
Number of Days to Update: 63	Next Scheduled EDR Contact: 08/11/2014
	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: 12/31/2011	Source: EPA/NTIS
Date Data Arrived at EDR: 02/26/2013	Telephone: 800-424-9346
Date Made Active in Reports: 04/19/2013	Last EDR Contact: 02/28/2014
Number of Days to Update: 52	Next Scheduled EDR Contact: 06/09/2014
	Data Release Frequency: Biennially

## CA BOND EXP. PLAN: Bond Expenditure Plan

Department of Health Services developed a site-specific expenditure plan as the basis for an appropriation of Hazardous Substance Cleanup Bond Act funds. It is not updated.

Date of Government Version: 01/01/1989	Source: Department of Health Services
Date Data Arrived at EDR: 07/27/1994	Telephone: 916-255-2118
Date Made Active in Reports: 08/02/1994	Last EDR Contact: 05/31/1994
Number of Days to Update: 6	Next Scheduled EDR Contact: N/A
	Data Release Frequency: No Update Planned

## UIC: UIC Listing

A listing of wells identified as underground injection wells, in the California Oil and Gas Wells database.

Date of Government Version: 01/15/2014	Source: Department of Conservation
Date Data Arrived at EDR: 03/18/2014	Telephone: 916-445-2408
Date Made Active in Reports: 04/24/2014	Last EDR Contact: 03/18/2014
Number of Days to Update: 37	Next Scheduled EDR Contact: 06/30/2014
	Data Release Frequency: Varies



# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## NPDES: NPDES Permits Listing

A listing of NPDES permits, including stormwater.

Date of Government Version: 02/17/2014	Source: State Water Resources Control Board
Date Data Arrived at EDR: 02/18/2014	Telephone: 916-445-9379
Date Made Active in Reports: 03/27/2014	Last EDR Contact: 02/18/2014
Number of Days to Update: 37	Next Scheduled EDR Contact: 06/02/2014
	Data Release Frequency: Quarterly

## 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: 03/31/2014	Source: CAL EPA/Office of Emergency Information
Date Data Arrived at EDR: 04/02/2014	Telephone: 916-323-3400
Date Made Active in Reports: 04/29/2014	Last EDR Contact: 04/01/2014
Number of Days to Update: 27	Next Scheduled EDR Contact: 07/14/2014
	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 [CAL SITES]. This listing is no longer updated by the state agency.

Date of Government Version: 04/01/2001	Source: Department of Toxic Substances Control
Date Data Arrived at EDR: 01/22/2009	Telephone: 916-323-3400
Date Made Active in Reports: 04/08/2009	Last EDR Contact: 01/22/2009
Number of Days to Update: 76	Next Scheduled EDR Contact: N/A
	Data Release Frequency: No Update Planned

## 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: 10/21/1993	Source: State Water Resources Control Board
Date Data Arrived at EDR: 11/01/1993	Telephone: 916-445-3846
Date Made Active in Reports: 11/19/1993	Last EDR Contact: 04/07/2014
Number of Days to Update: 18	Next Scheduled EDR Contact: 07/07/2014
	Data Release Frequency: No Update Planned

## 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: 09/10/2013	Source: Department of Toxic Substance Control
Date Data Arrived at EDR: 09/11/2013	Telephone: 916-327-4498
Date Made Active in Reports: 10/16/2013	Last EDR Contact: 03/10/2014
Number of Days to Update: 35	Next Scheduled EDR Contact: 06/23/2014
	Data Release Frequency: Annually

## 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	Source: Los Angeles Water Quality Control Board
Date Data Arrived at EDR: 07/21/2009	Telephone: 213-576-6726
Date Made Active in Reports: 08/03/2009	Last EDR Contact: 03/31/2014
Number of Days to Update: 13	Next Scheduled EDR Contact: 07/14/2014
	Data Release Frequency: Varies

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## ENF: Enforcement Action Listing

A listing of Water Board Enforcement Actions. Formal is everything except Oral/Verbal Communication, Notice of Violation, Expedited Payment Letter, and Staff Enforcement Letter.

Date of Government Version: 02/25/2014	Source: State Water Resources Control Board
Date Data Arrived at EDR: 02/27/2014	Telephone: 916-445-9379
Date Made Active in Reports: 03/18/2014	Last EDR Contact: 04/28/2014
Number of Days to Update: 19	Next Scheduled EDR Contact: 08/11/2014
	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.

Date of Government Version: 12/31/2012	Source: California Environmental Protection Agency
Date Data Arrived at EDR: 07/16/2013	Telephone: 916-255-1136
Date Made Active in Reports: 08/26/2013	Last EDR Contact: 04/18/2014
Number of Days to Update: 41	Next Scheduled EDR Contact: 07/28/2014
	Data Release Frequency: Annually

## EMI: Emissions Inventory Data

Toxics and criteria pollutant emissions data collected by the ARB and local air pollution agencies.

Date of Government Version: 12/31/2012	Source: California Air Resources Board
Date Data Arrived at EDR: 03/25/2014	Telephone: 916-322-2990
Date Made Active in Reports: 04/28/2014	Last EDR Contact: 03/25/2014
Number of Days to Update: 34	Next Scheduled EDR Contact: 07/07/2014
	Data Release Frequency: Varies

## 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: 12/31/2005	Source: USGS
Date Data Arrived at EDR: 12/08/2006	Telephone: 202-208-3710
Date Made Active in Reports: 01/11/2007	Last EDR Contact: 04/18/2014
Number of Days to Update: 34	Next Scheduled EDR Contact: 07/28/2014
	Data Release Frequency: Semi-Annually

## 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: 03/07/2011	Source: Environmental Protection Agency
Date Data Arrived at EDR: 03/09/2011	Telephone: 615-532-8599
Date Made Active in Reports: 05/02/2011	Last EDR Contact: 04/21/2014
Number of Days to Update: 54	Next Scheduled EDR Contact: 08/04/2014
	Data Release Frequency: Varies

## 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.

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 11/11/2011  
Date Data Arrived at EDR: 05/18/2012  
Date Made Active in Reports: 05/25/2012  
Number of Days to Update: 7

Source: Environmental Protection Agency  
Telephone: 703-308-4044  
Last EDR Contact: 02/14/2014  
Next Scheduled EDR Contact: 05/26/2014  
Data Release Frequency: Varies

## LEAD SMELTER 2: Lead Smelter Sites

A list of several hundred sites in the U.S. where secondary lead smelting was done from 1931 and 1964. These sites may pose a threat to public health through ingestion or inhalation of contaminated soil or dust

Date of Government Version: 04/05/2001  
Date Data Arrived at EDR: 10/27/2010  
Date Made Active in Reports: 12/02/2010  
Number of Days to Update: 36

Source: American Journal of Public Health  
Telephone: 703-305-6451  
Last EDR Contact: 12/02/2009  
Next Scheduled EDR Contact: N/A  
Data Release Frequency: No Update Planned

## 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: 04/14/2014  
Date Data Arrived at EDR: 04/15/2014  
Date Made Active in Reports: 04/24/2014  
Number of Days to Update: 9

Source: Department of Toxic Substances Control  
Telephone: 916-440-7145  
Last EDR Contact: 04/15/2014  
Next Scheduled EDR Contact: 07/28/2014  
Data Release Frequency: Quarterly

## LEAD SMELTER 1: Lead Smelter Sites

A listing of former lead smelter site locations.

Date of Government Version: 01/29/2013  
Date Data Arrived at EDR: 02/14/2013  
Date Made Active in Reports: 02/27/2013  
Number of Days to Update: 13

Source: Environmental Protection Agency  
Telephone: 703-603-8787  
Last EDR Contact: 04/04/2014  
Next Scheduled EDR Contact: 07/21/2014  
Data Release Frequency: Varies

## COAL ASH DOE: Steam-Electric Plant Operation Data

A listing of power plants that store ash in surface ponds.

Date of Government Version: 12/31/2005  
Date Data Arrived at EDR: 08/07/2009  
Date Made Active in Reports: 10/22/2009  
Number of Days to Update: 76

Source: Department of Energy  
Telephone: 202-586-8719  
Last EDR Contact: 04/18/2014  
Next Scheduled EDR Contact: 07/28/2014  
Data Release Frequency: Varies

## MWMP: Medical Waste Management Program Listing

The Medical Waste Management Program (MWMP) ensures the proper handling and disposal of medical waste by permitting and inspecting medical waste Offsite Treatment Facilities (PDF) and Transfer Stations (PDF) throughout the state. MWMP also oversees all Medical Waste Transporters.

Date of Government Version: 02/21/2014  
Date Data Arrived at EDR: 03/12/2014  
Date Made Active in Reports: 04/14/2014  
Number of Days to Update: 33

Source: Department of Public Health  
Telephone: 916-558-1784  
Last EDR Contact: 03/10/2014  
Next Scheduled EDR Contact: 06/23/2014  
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.

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 08/17/2010  
Date Data Arrived at EDR: 01/03/2011  
Date Made Active in Reports: 03/21/2011  
Number of Days to Update: 77

Source: Environmental Protection Agency  
Telephone: N/A  
Last EDR Contact: 03/11/2014  
Next Scheduled EDR Contact: 06/23/2014  
Data Release Frequency: Varies

## 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: 06/30/2013  
Date Data Arrived at EDR: 08/13/2013  
Date Made Active in Reports: 09/13/2013  
Number of Days to Update: 31

Source: Environmental Protection Agency  
Telephone: 617-520-3000  
Last EDR Contact: 02/10/2014  
Next Scheduled EDR Contact: 05/26/2014  
Data Release Frequency: Quarterly

## PCB TRANSFORMER: PCB Transformer Registration Database

The database of PCB transformer registrations that includes all PCB registration submittals.

Date of Government Version: 02/01/2011  
Date Data Arrived at EDR: 10/19/2011  
Date Made Active in Reports: 01/10/2012  
Number of Days to Update: 83

Source: Environmental Protection Agency  
Telephone: 202-566-0517  
Last EDR Contact: 05/02/2014  
Next Scheduled EDR Contact: 08/11/2014  
Data Release Frequency: Varies

## PROC: Certified Processors Database

A listing of certified processors.

Date of Government Version: 03/17/2014  
Date Data Arrived at EDR: 03/18/2014  
Date Made Active in Reports: 04/24/2014  
Number of Days to Update: 37

Source: Department of Conservation  
Telephone: 916-323-3836  
Last EDR Contact: 03/18/2014  
Next Scheduled EDR Contact: 06/30/2014  
Data Release Frequency: Quarterly

## PRP: Potentially Responsible Parties

A listing of verified Potentially Responsible Parties

Date of Government Version: 04/15/2013  
Date Data Arrived at EDR: 07/03/2013  
Date Made Active in Reports: 09/13/2013  
Number of Days to Update: 72

Source: EPA  
Telephone: 202-564-6023  
Last EDR Contact: 04/04/2014  
Next Scheduled EDR Contact: 07/14/2014  
Data Release Frequency: Quarterly

## 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: 02/24/2014  
Next Scheduled EDR Contact: 06/09/2014  
Data Release Frequency: Quarterly

## 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.

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 12/31/2005  
Date Data Arrived at EDR: 02/06/2006  
Date Made Active in Reports: 01/11/2007  
Number of Days to Update: 339

Source: U.S. Geological Survey  
Telephone: 888-275-8747  
Last EDR Contact: 04/18/2014  
Next Scheduled EDR Contact: 07/28/2014  
Data Release Frequency: N/A

## 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: 10/23/2013  
Date Data Arrived at EDR: 11/06/2013  
Date Made Active in Reports: 12/06/2013  
Number of Days to Update: 30

Source: EPA  
Telephone: 202-564-5962  
Last EDR Contact: 03/31/2014  
Next Scheduled EDR Contact: 07/14/2014  
Data Release Frequency: Annually

## US AIRS MINOR: Air Facility System Data

A listing of minor source facilities.

Date of Government Version: 10/23/2013  
Date Data Arrived at EDR: 11/06/2013  
Date Made Active in Reports: 12/06/2013  
Number of Days to Update: 30

Source: EPA  
Telephone: 202-564-5962  
Last EDR Contact: 03/31/2014  
Next Scheduled EDR Contact: 07/14/2014  
Data Release Frequency: Annually

## HWP: EnviroStor Permitted Facilities Listing

Detailed information on permitted hazardous waste facilities and corrective action ("cleanups") tracked in EnviroStor.

Date of Government Version: 02/24/2014  
Date Data Arrived at EDR: 02/25/2014  
Date Made Active in Reports: 03/18/2014  
Number of Days to Update: 21

Source: Department of Toxic Substances Control  
Telephone: 916-323-3400  
Last EDR Contact: 02/25/2014  
Next Scheduled EDR Contact: 06/09/2014  
Data Release Frequency: Quarterly

## 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: 02/25/2014  
Date Data Arrived at EDR: 02/27/2014  
Date Made Active in Reports: 04/09/2014  
Number of Days to Update: 41

Source: Environmental Protection Agency  
Telephone: 202-566-1917  
Last EDR Contact: 02/14/2014  
Next Scheduled EDR Contact: 06/02/2014  
Data Release Frequency: Quarterly

## 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: 02/14/2014  
Date Data Arrived at EDR: 02/18/2014  
Date Made Active in Reports: 03/18/2014  
Number of Days to Update: 28

Source: California Integrated Waste Management Board  
Telephone: 916-341-6066  
Last EDR Contact: 02/14/2014  
Next Scheduled EDR Contact: 06/02/2014  
Data Release Frequency: Varies

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## Financial Assurance 1: Financial Assurance Information Listing Financial Assurance information

Date of Government Version: 01/28/2014	Source: Department of Toxic Substances Control
Date Data Arrived at EDR: 01/30/2014	Telephone: 916-255-3628
Date Made Active in Reports: 02/11/2014	Last EDR Contact: 04/28/2014
Number of Days to Update: 12	Next Scheduled EDR Contact: 08/11/2014
	Data Release Frequency: Varies

## EDR HIGH RISK HISTORICAL RECORDS

### *EDR Exclusive Records*

#### EDR MGP: EDR Proprietary Manufactured Gas Plants

The EDR Proprietary Manufactured Gas Plant Database includes records of coal gas plants (manufactured gas plants) compiled by EDR's researchers. Manufactured gas sites were used in the United States from the 1800's to 1950's to produce a gas that could be distributed and used as fuel. These plants used whale oil, rosin, coal, or a mixture of coal, oil, and water that also produced a significant amount of waste. Many of the byproducts of the gas production, such as coal tar (oily waste containing volatile and non-volatile chemicals), sludges, oils and other compounds are potentially hazardous to human health and the environment. The byproduct from this process was frequently disposed of directly at the plant site and can remain or spread slowly, serving as a continuous source of soil and groundwater contamination.

Date of Government Version: N/A	Source: EDR, Inc.
Date Data Arrived at EDR: N/A	Telephone: N/A
Date Made Active in Reports: N/A	Last EDR Contact: N/A
Number of Days to Update: N/A	Next Scheduled EDR Contact: N/A
	Data Release Frequency: No Update Planned

#### EDR US Hist Auto Stat: EDR Exclusive Historic Gas 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	Source: EDR, Inc.
Date Data Arrived at EDR: N/A	Telephone: N/A
Date Made Active in Reports: N/A	Last EDR Contact: N/A
Number of Days to Update: N/A	Next Scheduled EDR Contact: N/A
	Data Release Frequency: Varies

#### EDR US Hist Cleaners: EDR Exclusive Historic Dry Cleaners

EDR has searched selected national collections of business directories and has collected listings of potential dry cleaner sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include dry cleaning establishments. The categories reviewed included, but were not limited to dry cleaners, cleaners, laundry, laundromat, cleaning/laundry, wash & dry etc. This database falls within a category of information EDR classifies as "High Risk Historical Records", or HRHR. EDR's HRHR effort presents unique and sometimes proprietary data about past sites and operations that typically create environmental concerns, but may not show up in current government records searches.

Date of Government Version: N/A	Source: EDR, Inc.
Date Data Arrived at EDR: N/A	Telephone: N/A
Date Made Active in Reports: N/A	Last EDR Contact: N/A
Number of Days to Update: N/A	Next Scheduled EDR Contact: N/A
	Data Release Frequency: Varies

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

EDR US Hist Auto Stat: EDR Proprietary Historic Gas Stations - Cole

Date of Government Version: N/A	Source: N/A
Date Data Arrived at EDR: N/A	Telephone: N/A
Date Made Active in Reports: N/A	Last EDR Contact: N/A
Number of Days to Update: N/A	Next Scheduled EDR Contact: N/A
	Data Release Frequency: Varies

EDR US Hist Cleaners: EDR Proprietary Historic Dry Cleaners - Cole

Date of Government Version: N/A	Source: N/A
Date Data Arrived at EDR: N/A	Telephone: N/A
Date Made Active in Reports: N/A	Last EDR Contact: N/A
Number of Days to Update: N/A	Next Scheduled EDR Contact: N/A
	Data Release Frequency: Varies

## EDR RECOVERED GOVERNMENT ARCHIVES

### ***Exclusive Recovered Govt. Archives***

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	Source: State Water Resources Control Board
Date Data Arrived at EDR: 07/01/2013	Telephone: N/A
Date Made Active in Reports: 12/30/2013	Last EDR Contact: 06/01/2012
Number of Days to Update: 182	Next Scheduled EDR Contact: N/A
	Data Release Frequency: Varies

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	Source: Department of Resources Recycling and Recovery
Date Data Arrived at EDR: 07/01/2013	Telephone: N/A
Date Made Active in Reports: 01/13/2014	Last EDR Contact: 06/01/2012
Number of Days to Update: 196	Next Scheduled EDR Contact: N/A
	Data Release Frequency: Varies

## COUNTY RECORDS

ALAMEDA COUNTY:

Contaminated Sites

A listing of contaminated sites overseen by the Toxic Release Program (oil and groundwater contamination from chemical releases and spills) and the Leaking Underground Storage Tank Program (soil and ground water contamination from leaking petroleum USTs).

Date of Government Version: 01/22/2014	Source: Alameda County Environmental Health Services
Date Data Arrived at EDR: 01/23/2014	Telephone: 510-567-6700
Date Made Active in Reports: 02/11/2014	Last EDR Contact: 03/31/2014
Number of Days to Update: 19	Next Scheduled EDR Contact: 07/14/2014
	Data Release Frequency: Semi-Annually

Underground Tanks

Underground storage tank sites located in Alameda county.

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 01/22/2014  
Date Data Arrived at EDR: 01/23/2014  
Date Made Active in Reports: 02/12/2014  
Number of Days to Update: 20

Source: Alameda County Environmental Health Services  
Telephone: 510-567-6700  
Last EDR Contact: 03/31/2014  
Next Scheduled EDR Contact: 07/14/2014  
Data Release Frequency: Semi-Annually

## AMADOR COUNTY:

### CUPA Facility List Cupa Facility List

Date of Government Version: 03/24/2014  
Date Data Arrived at EDR: 03/24/2014  
Date Made Active in Reports: 04/30/2014  
Number of Days to Update: 37

Source: Amador County Environmental Health  
Telephone: 209-223-6439  
Last EDR Contact: 03/24/2014  
Next Scheduled EDR Contact: 06/23/2014  
Data Release Frequency: Varies

## BUTTE COUNTY:

### CUPA Facility Listing Cupa facility list.

Date of Government Version: 08/01/2013  
Date Data Arrived at EDR: 08/02/2013  
Date Made Active in Reports: 08/22/2013  
Number of Days to Update: 20

Source: Public Health Department  
Telephone: 530-538-7149  
Last EDR Contact: 04/10/2014  
Next Scheduled EDR Contact: 07/28/2014  
Data Release Frequency: No Update Planned

## CALVERAS COUNTY:

### CUPA Facility Listing Cupa Facility Listing

Date of Government Version: 04/01/2014  
Date Data Arrived at EDR: 04/03/2014  
Date Made Active in Reports: 04/29/2014  
Number of Days to Update: 26

Source: Calveras County Environmental Health  
Telephone: 209-754-6399  
Last EDR Contact: 03/31/2014  
Next Scheduled EDR Contact: 07/14/2014  
Data Release Frequency: Quarterly

## COLUSA COUNTY:

### CUPA Facility List Cupa facility list.

Date of Government Version: 12/05/2013  
Date Data Arrived at EDR: 12/05/2013  
Date Made Active in Reports: 01/27/2014  
Number of Days to Update: 53

Source: Health & Human Services  
Telephone: 530-458-0396  
Last EDR Contact: 03/13/2014  
Next Scheduled EDR Contact: 05/26/2014  
Data Release Frequency: Varies

## CONTRA COSTA COUNTY:

### Site List

List includes sites from the underground tank, hazardous waste generator and business plan/2185 programs.



# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 02/24/2014  
Date Data Arrived at EDR: 02/25/2014  
Date Made Active in Reports: 03/18/2014  
Number of Days to Update: 21

Source: Contra Costa Health Services Department  
Telephone: 925-646-2286  
Last EDR Contact: 05/05/2014  
Next Scheduled EDR Contact: 08/18/2014  
Data Release Frequency: Semi-Annually

## DEL NORTE COUNTY:

### CUPA Facility List Cupa Facility list

Date of Government Version: 01/09/2013  
Date Data Arrived at EDR: 01/10/2013  
Date Made Active in Reports: 02/25/2013  
Number of Days to Update: 46

Source: Del Norte County Environmental Health Division  
Telephone: 707-465-0426  
Last EDR Contact: 05/05/2014  
Next Scheduled EDR Contact: 08/18/2014  
Data Release Frequency: Varies

## EL DORADO COUNTY:

### CUPA Facility List CUPA facility list.

Date of Government Version: 02/20/2014  
Date Data Arrived at EDR: 02/21/2014  
Date Made Active in Reports: 03/20/2014  
Number of Days to Update: 27

Source: El Dorado County Environmental Management Department  
Telephone: 530-621-6623  
Last EDR Contact: 05/05/2014  
Next Scheduled EDR Contact: 08/18/2014  
Data Release Frequency: Varies

## FRESNO COUNTY:

### CUPA Resources List

Certified Unified Program Agency. CUPA's are responsible for implementing a unified hazardous materials and hazardous waste management regulatory program. The agency provides oversight of businesses that deal with hazardous materials, operate underground storage tanks or aboveground storage tanks.

Date of Government Version: 03/31/2014  
Date Data Arrived at EDR: 04/15/2014  
Date Made Active in Reports: 05/01/2014  
Number of Days to Update: 16

Source: Dept. of Community Health  
Telephone: 559-445-3271  
Last EDR Contact: 04/14/2014  
Next Scheduled EDR Contact: 07/28/2014  
Data Release Frequency: Semi-Annually

## HUMBOLDT COUNTY:

### CUPA Facility List CUPA facility list.

Date of Government Version: 03/20/2014  
Date Data Arrived at EDR: 03/21/2014  
Date Made Active in Reports: 04/28/2014  
Number of Days to Update: 38

Source: Humboldt County Environmental Health  
Telephone: N/A  
Last EDR Contact: 02/24/2014  
Next Scheduled EDR Contact: 06/09/2014  
Data Release Frequency: Varies

## IMPERIAL COUNTY:

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## CUPA Facility List

Cupa facility list.

Date of Government Version: 01/27/2014  
Date Data Arrived at EDR: 01/28/2014  
Date Made Active in Reports: 02/11/2014  
Number of Days to Update: 14

Source: San Diego Border Field Office  
Telephone: 760-339-2777  
Last EDR Contact: 04/28/2014  
Next Scheduled EDR Contact: 08/11/2014  
Data Release Frequency: Varies

## INYO COUNTY:

### CUPA Facility List

Cupa facility list.

Date of Government Version: 09/10/2013  
Date Data Arrived at EDR: 09/11/2013  
Date Made Active in Reports: 10/14/2013  
Number of Days to Update: 33

Source: Inyo County Environmental Health Services  
Telephone: 760-878-0238  
Last EDR Contact: 02/24/2014  
Next Scheduled EDR Contact: 06/09/2014  
Data Release Frequency: Varies

## KERN COUNTY:

### Underground Storage Tank Sites & Tank Listing

Kern County Sites and Tanks Listing.

Date of Government Version: 08/31/2010  
Date Data Arrived at EDR: 09/01/2010  
Date Made Active in Reports: 09/30/2010  
Number of Days to Update: 29

Source: Kern County Environment Health Services Department  
Telephone: 661-862-8700  
Last EDR Contact: 02/10/2014  
Next Scheduled EDR Contact: 05/26/2014  
Data Release Frequency: Quarterly

## KINGS COUNTY:

### CUPA Facility List

A listing of sites included in the county's Certified Unified Program Agency database. California's Secretary for Environmental Protection established the unified hazardous materials and hazardous waste regulatory program as required by chapter 6.11 of the California Health and Safety Code. The Unified Program consolidates the administration, permits, inspections, and enforcement activities.

Date of Government Version: 02/25/2014  
Date Data Arrived at EDR: 02/27/2014  
Date Made Active in Reports: 03/20/2014  
Number of Days to Update: 21

Source: Kings County Department of Public Health  
Telephone: 559-584-1411  
Last EDR Contact: 02/24/2014  
Next Scheduled EDR Contact: 06/09/2014  
Data Release Frequency: Varies

## LAKE COUNTY:

### CUPA Facility List

Cupa facility list

Date of Government Version: 01/23/2013  
Date Data Arrived at EDR: 01/25/2013  
Date Made Active in Reports: 02/27/2013  
Number of Days to Update: 33

Source: Lake County Environmental Health  
Telephone: 707-263-1164  
Last EDR Contact: 04/21/2014  
Next Scheduled EDR Contact: 08/04/2014  
Data Release Frequency: Varies

## LOS ANGELES COUNTY:

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## San Gabriel Valley Areas of Concern

San Gabriel Valley areas where VOC contamination is at or above the MCL as designated by region 9 EPA office.

Date of Government Version: 03/30/2009  
Date Data Arrived at EDR: 03/31/2009  
Date Made Active in Reports: 10/23/2009  
Number of Days to Update: 206

Source: EPA Region 9  
Telephone: 415-972-3178  
Last EDR Contact: 03/24/2014  
Next Scheduled EDR Contact: 07/07/2014  
Data Release Frequency: No Update Planned

## HMS: Street Number List

Industrial Waste and Underground Storage Tank Sites.

Date of Government Version: 12/06/2013  
Date Data Arrived at EDR: 01/28/2014  
Date Made Active in Reports: 03/17/2014  
Number of Days to Update: 48

Source: Department of Public Works  
Telephone: 626-458-3517  
Last EDR Contact: 04/02/2014  
Next Scheduled EDR Contact: 07/28/2014  
Data Release Frequency: Semi-Annually

## List of Solid Waste Facilities

Solid Waste Facilities in Los Angeles County.

Date of Government Version: 01/20/2014  
Date Data Arrived at EDR: 01/21/2014  
Date Made Active in Reports: 02/11/2014  
Number of Days to Update: 21

Source: La County Department of Public Works  
Telephone: 818-458-5185  
Last EDR Contact: 04/22/2014  
Next Scheduled EDR Contact: 08/04/2014  
Data Release Frequency: Varies

## City of Los Angeles Landfills

Landfills owned and maintained by the City of Los Angeles.

Date of Government Version: 03/05/2009  
Date Data Arrived at EDR: 03/10/2009  
Date Made Active in Reports: 04/08/2009  
Number of Days to Update: 29

Source: Engineering & Construction Division  
Telephone: 213-473-7869  
Last EDR Contact: 04/17/2014  
Next Scheduled EDR Contact: 08/04/2014  
Data Release Frequency: Varies

## Site Mitigation List

Industrial sites that have had some sort of spill or complaint.

Date of Government Version: 01/07/2014  
Date Data Arrived at EDR: 02/25/2014  
Date Made Active in Reports: 03/25/2014  
Number of Days to Update: 28

Source: Community Health Services  
Telephone: 323-890-7806  
Last EDR Contact: 04/17/2014  
Next Scheduled EDR Contact: 08/04/2014  
Data Release Frequency: Annually

## City of El Segundo Underground Storage Tank

Underground storage tank sites located in El Segundo city.

Date of Government Version: 02/10/2014  
Date Data Arrived at EDR: 02/12/2014  
Date Made Active in Reports: 03/17/2014  
Number of Days to Update: 33

Source: City of El Segundo Fire Department  
Telephone: 310-524-2236  
Last EDR Contact: 04/21/2014  
Next Scheduled EDR Contact: 08/04/2014  
Data Release Frequency: Semi-Annually

## City of Long Beach Underground Storage Tank

Underground storage tank sites located in the city of Long Beach.

Date of Government Version: 02/25/2014  
Date Data Arrived at EDR: 02/27/2014  
Date Made Active in Reports: 04/14/2014  
Number of Days to Update: 46

Source: City of Long Beach Fire Department  
Telephone: 562-570-2563  
Last EDR Contact: 04/28/2014  
Next Scheduled EDR Contact: 08/11/2014  
Data Release Frequency: Annually

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## City of Torrance Underground Storage Tank

Underground storage tank sites located in the city of Torrance.

Date of Government Version: 01/13/2014  
Date Data Arrived at EDR: 03/27/2014  
Date Made Active in Reports: 04/28/2014  
Number of Days to Update: 32

Source: City of Torrance Fire Department  
Telephone: 310-618-2973  
Last EDR Contact: 04/14/2014  
Next Scheduled EDR Contact: 07/28/2014  
Data Release Frequency: Semi-Annually

## MADERA COUNTY:

### CUPA Facility List

A listing of sites included in the county's Certified Unified Program Agency database. California's Secretary for Environmental Protection established the unified hazardous materials and hazardous waste regulatory program as required by chapter 6.11 of the California Health and Safety Code. The Unified Program consolidates the administration, permits, inspections, and enforcement activities.

Date of Government Version: 03/26/2014  
Date Data Arrived at EDR: 03/27/2014  
Date Made Active in Reports: 04/29/2014  
Number of Days to Update: 33

Source: Madera County Environmental Health  
Telephone: 559-675-7823  
Last EDR Contact: 02/24/2014  
Next Scheduled EDR Contact: 06/09/2014  
Data Release Frequency: Varies

## MARIN COUNTY:

### Underground Storage Tank Sites

Currently permitted USTs in Marin County.

Date of Government Version: 01/03/2014  
Date Data Arrived at EDR: 01/09/2014  
Date Made Active in Reports: 02/12/2014  
Number of Days to Update: 34

Source: Public Works Department Waste Management  
Telephone: 415-499-6647  
Last EDR Contact: 04/07/2014  
Next Scheduled EDR Contact: 07/21/2014  
Data Release Frequency: Semi-Annually

## MERCED COUNTY:

### CUPA Facility List

CUPA facility list.

Date of Government Version: 03/10/2014  
Date Data Arrived at EDR: 03/11/2014  
Date Made Active in Reports: 04/10/2014  
Number of Days to Update: 30

Source: Merced County Environmental Health  
Telephone: 209-381-1094  
Last EDR Contact: 03/10/2014  
Next Scheduled EDR Contact: 06/09/2014  
Data Release Frequency: Varies

## MONO COUNTY:

### CUPA Facility List

CUPA Facility List

Date of Government Version: 03/03/2014  
Date Data Arrived at EDR: 03/04/2014  
Date Made Active in Reports: 04/01/2014  
Number of Days to Update: 28

Source: Mono County Health Department  
Telephone: 760-932-5580  
Last EDR Contact: 03/03/2014  
Next Scheduled EDR Contact: 06/16/2014  
Data Release Frequency: Varies

## MONTEREY COUNTY:

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## CUPA Facility Listing

CUPA Program listing from the Environmental Health Division.

Date of Government Version: 03/18/2014	Source: Monterey County Health Department
Date Data Arrived at EDR: 03/20/2014	Telephone: 831-796-1297
Date Made Active in Reports: 04/25/2014	Last EDR Contact: 02/24/2014
Number of Days to Update: 36	Next Scheduled EDR Contact: 06/09/2014
	Data Release Frequency: Varies

## NAPA COUNTY:

### Sites With Reported Contamination

A listing of leaking underground storage tank sites located in Napa county.

Date of Government Version: 12/05/2011	Source: Napa County Department of Environmental Management
Date Data Arrived at EDR: 12/06/2011	Telephone: 707-253-4269
Date Made Active in Reports: 02/07/2012	Last EDR Contact: 03/03/2014
Number of Days to Update: 33	Next Scheduled EDR Contact: 06/06/2014
	Data Release Frequency: No Update Planned

### Closed and Operating Underground Storage Tank Sites

Underground storage tank sites located in Napa county.

Date of Government Version: 01/15/2008	Source: Napa County Department of Environmental Management
Date Data Arrived at EDR: 01/16/2008	Telephone: 707-253-4269
Date Made Active in Reports: 02/08/2008	Last EDR Contact: 03/03/2014
Number of Days to Update: 23	Next Scheduled EDR Contact: 06/16/2014
	Data Release Frequency: No Update Planned

## NEVADA COUNTY:

### CUPA Facility List

CUPA facility list.

Date of Government Version: 11/06/2013	Source: Community Development Agency
Date Data Arrived at EDR: 11/07/2013	Telephone: 530-265-1467
Date Made Active in Reports: 12/04/2013	Last EDR Contact: 05/05/2014
Number of Days to Update: 27	Next Scheduled EDR Contact: 08/18/2014
	Data Release Frequency: Varies

## ORANGE COUNTY:

### List of Industrial Site Cleanups

Petroleum and non-petroleum spills.

Date of Government Version: 02/01/2014	Source: Health Care Agency
Date Data Arrived at EDR: 02/12/2014	Telephone: 714-834-3446
Date Made Active in Reports: 03/17/2014	Last EDR Contact: 05/07/2014
Number of Days to Update: 33	Next Scheduled EDR Contact: 08/28/2014
	Data Release Frequency: Annually

### List of Underground Storage Tank Cleanups

Orange County Underground Storage Tank Cleanups (LUST).

Date of Government Version: 02/03/2014	Source: Health Care Agency
Date Data Arrived at EDR: 02/13/2014	Telephone: 714-834-3446
Date Made Active in Reports: 03/18/2014	Last EDR Contact: 05/07/2014
Number of Days to Update: 33	Next Scheduled EDR Contact: 08/25/2014
	Data Release Frequency: Quarterly

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## List of Underground Storage Tank Facilities

Orange County Underground Storage Tank Facilities (UST).

Date of Government Version: 02/01/2014	Source: Health Care Agency
Date Data Arrived at EDR: 02/12/2014	Telephone: 714-834-3446
Date Made Active in Reports: 03/18/2014	Last EDR Contact: 05/07/2014
Number of Days to Update: 34	Next Scheduled EDR Contact: 08/25/2014
	Data Release Frequency: Quarterly

## PLACER COUNTY:

### Master List of Facilities

List includes aboveground tanks, underground tanks and cleanup sites.

Date of Government Version: 03/10/2014	Source: Placer County Health and Human Services
Date Data Arrived at EDR: 03/11/2014	Telephone: 530-745-2363
Date Made Active in Reports: 04/10/2014	Last EDR Contact: 03/10/2014
Number of Days to Update: 30	Next Scheduled EDR Contact: 06/23/2014
	Data Release Frequency: Semi-Annually

## RIVERSIDE COUNTY:

### Listing of Underground Tank Cleanup Sites

Riverside County Underground Storage Tank Cleanup Sites (LUST).

Date of Government Version: 04/15/2014	Source: Department of Environmental Health
Date Data Arrived at EDR: 04/17/2014	Telephone: 951-358-5055
Date Made Active in Reports: 04/24/2014	Last EDR Contact: 03/02/2014
Number of Days to Update: 7	Next Scheduled EDR Contact: 07/07/2014
	Data Release Frequency: Quarterly

### Underground Storage Tank Tank List

Underground storage tank sites located in Riverside county.

Date of Government Version: 01/14/2014	Source: Department of Environmental Health
Date Data Arrived at EDR: 01/15/2014	Telephone: 951-358-5055
Date Made Active in Reports: 02/12/2014	Last EDR Contact: 03/24/2014
Number of Days to Update: 28	Next Scheduled EDR Contact: 07/07/2014
	Data Release Frequency: Quarterly

## SACRAMENTO COUNTY:

### Toxic Site Clean-Up List

List of sites where unauthorized releases of potentially hazardous materials have occurred.

Date of Government Version: 02/06/2014	Source: Sacramento County Environmental Management
Date Data Arrived at EDR: 04/08/2014	Telephone: 916-875-8406
Date Made Active in Reports: 04/29/2014	Last EDR Contact: 04/04/2014
Number of Days to Update: 21	Next Scheduled EDR Contact: 07/21/2014
	Data Release Frequency: Quarterly

### Master Hazardous Materials Facility List

Any business that has hazardous materials on site - hazardous material storage sites, underground storage tanks, waste generators.

Date of Government Version: 02/06/2014	Source: Sacramento County Environmental Management
Date Data Arrived at EDR: 04/08/2014	Telephone: 916-875-8406
Date Made Active in Reports: 04/29/2014	Last EDR Contact: 04/04/2014
Number of Days to Update: 21	Next Scheduled EDR Contact: 07/21/2014
	Data Release Frequency: Quarterly

## SAN BERNARDINO COUNTY:

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## 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: 03/18/2014	Source: San Bernardino County Fire Department Hazardous Materials Division
Date Data Arrived at EDR: 03/21/2014	Telephone: 909-387-3041
Date Made Active in Reports: 04/25/2014	Last EDR Contact: 02/10/2014
Number of Days to Update: 35	Next Scheduled EDR Contact: 05/26/2014
	Data Release Frequency: Quarterly

## SAN DIEGO COUNTY:

### Hazardous Materials Management Division Database

The database includes: HE58 - This report contains the business name, site address, business phone number, establishment 'H' permit number, type of permit, and the business status. HE17 - In addition to providing the same information provided in the HE58 listing, HE17 provides inspection dates, violations received by the establishment, hazardous waste generated, the quantity, method of storage, treatment/disposal of waste and the hauler, and information on underground storage tanks. Unauthorized Release List - Includes a summary of environmental contamination cases in San Diego County (underground tank cases, non-tank cases, groundwater contamination, and soil contamination are included.)

Date of Government Version: 09/23/2013	Source: Hazardous Materials Management Division
Date Data Arrived at EDR: 09/24/2013	Telephone: 619-338-2268
Date Made Active in Reports: 10/17/2013	Last EDR Contact: 03/10/2014
Number of Days to Update: 23	Next Scheduled EDR Contact: 06/23/2014
	Data Release Frequency: Quarterly

### Solid Waste Facilities

San Diego County Solid Waste Facilities.

Date of Government Version: 10/31/2013	Source: Department of Health Services
Date Data Arrived at EDR: 11/19/2013	Telephone: 619-338-2209
Date Made Active in Reports: 12/31/2013	Last EDR Contact: 04/28/2014
Number of Days to Update: 42	Next Scheduled EDR Contact: 08/11/2014
	Data Release Frequency: Varies

### Environmental Case Listing

The listing contains all underground tank release cases and projects pertaining to properties contaminated with hazardous substances that are actively under review by the Site Assessment and Mitigation Program.

Date of Government Version: 03/23/2010	Source: San Diego County Department of Environmental Health
Date Data Arrived at EDR: 06/15/2010	Telephone: 619-338-2371
Date Made Active in Reports: 07/09/2010	Last EDR Contact: 03/10/2014
Number of Days to Update: 24	Next Scheduled EDR Contact: 06/23/2014
	Data Release Frequency: No Update Planned

## SAN FRANCISCO COUNTY:

### Local Oversight Facilities

A listing of leaking underground storage tank sites located in San Francisco county.

Date of Government Version: 09/19/2008	Source: Department Of Public Health San Francisco County
Date Data Arrived at EDR: 09/19/2008	Telephone: 415-252-3920
Date Made Active in Reports: 09/29/2008	Last EDR Contact: 02/10/2014
Number of Days to Update: 10	Next Scheduled EDR Contact: 05/26/2014
	Data Release Frequency: Quarterly

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## Underground Storage Tank Information

Underground storage tank sites located in San Francisco county.

Date of Government Version: 11/29/2010	Source: Department of Public Health
Date Data Arrived at EDR: 03/10/2011	Telephone: 415-252-3920
Date Made Active in Reports: 03/15/2011	Last EDR Contact: 02/10/2014
Number of Days to Update: 5	Next Scheduled EDR Contact: 05/26/2014
	Data Release Frequency: Quarterly

## SAN JOAQUIN COUNTY:

### San Joaquin Co. UST

A listing of underground storage tank locations in San Joaquin county.

Date of Government Version: 04/10/2014	Source: Environmental Health Department
Date Data Arrived at EDR: 04/11/2014	Telephone: N/A
Date Made Active in Reports: 04/29/2014	Last EDR Contact: 04/07/2014
Number of Days to Update: 18	Next Scheduled EDR Contact: 07/07/2014
	Data Release Frequency: Semi-Annually

## SAN LUIS OBISPO COUNTY:

### CUPA Facility List

Cupa Facility List.

Date of Government Version: 02/24/2014	Source: San Luis Obispo County Public Health Department
Date Data Arrived at EDR: 02/26/2014	Telephone: 805-781-5596
Date Made Active in Reports: 03/26/2014	Last EDR Contact: 02/24/2014
Number of Days to Update: 28	Next Scheduled EDR Contact: 06/09/2014
	Data Release Frequency: Varies

## SAN MATEO COUNTY:

### Business Inventory

List includes Hazardous Materials Business Plan, hazardous waste generators, and underground storage tanks.

Date of Government Version: 04/03/2014	Source: San Mateo County Environmental Health Services Division
Date Data Arrived at EDR: 04/04/2014	Telephone: 650-363-1921
Date Made Active in Reports: 05/01/2014	Last EDR Contact: 03/17/2014
Number of Days to Update: 27	Next Scheduled EDR Contact: 06/30/2014
	Data Release Frequency: Annually

### Fuel Leak List

A listing of leaking underground storage tank sites located in San Mateo county.

Date of Government Version: 03/17/2014	Source: San Mateo County Environmental Health Services Division
Date Data Arrived at EDR: 03/18/2014	Telephone: 650-363-1921
Date Made Active in Reports: 04/24/2014	Last EDR Contact: 03/17/2014
Number of Days to Update: 37	Next Scheduled EDR Contact: 06/30/2014
	Data Release Frequency: Semi-Annually

## SANTA BARBARA COUNTY:

### CUPA Facility Listing

CUPA Program Listing from the Environmental Health Services division.



# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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: 02/24/2014  
Next Scheduled EDR Contact: 06/09/2014  
Data Release Frequency: Varies

## SANTA CLARA COUNTY:

### Cupa Facility List

Cupa facility list

Date of Government Version: 03/04/2014  
Date Data Arrived at EDR: 03/06/2014  
Date Made Active in Reports: 03/20/2014  
Number of Days to Update: 14

Source: Department of Environmental Health  
Telephone: 408-918-1973  
Last EDR Contact: 03/03/2014  
Next Scheduled EDR Contact: 06/16/2014  
Data Release Frequency: Varies

### HIST LUST - Fuel Leak Site Activity Report

A listing of open and closed leaking underground storage tanks. This listing is no longer updated by the county. Leaking underground storage tanks are now handled by the Department of Environmental Health.

Date of Government Version: 03/29/2005  
Date Data Arrived at EDR: 03/30/2005  
Date Made Active in Reports: 04/21/2005  
Number of Days to Update: 22

Source: Santa Clara Valley Water District  
Telephone: 408-265-2600  
Last EDR Contact: 03/23/2009  
Next Scheduled EDR Contact: 06/22/2009  
Data Release Frequency: No Update Planned

### LOP Listing

A listing of leaking underground storage tanks located in Santa Clara county.

Date of Government Version: 03/03/2014  
Date Data Arrived at EDR: 03/05/2014  
Date Made Active in Reports: 03/18/2014  
Number of Days to Update: 13

Source: Department of Environmental Health  
Telephone: 408-918-3417  
Last EDR Contact: 03/03/2014  
Next Scheduled EDR Contact: 06/16/2014  
Data Release Frequency: Annually

### Hazardous Material Facilities

Hazardous material facilities, including underground storage tank sites.

Date of Government Version: 02/07/2014  
Date Data Arrived at EDR: 02/11/2014  
Date Made Active in Reports: 03/17/2014  
Number of Days to Update: 34

Source: City of San Jose Fire Department  
Telephone: 408-535-7694  
Last EDR Contact: 02/10/2014  
Next Scheduled EDR Contact: 05/26/2014  
Data Release Frequency: Annually

## SANTA CRUZ COUNTY:

### CUPA Facility List

CUPA facility listing.

Date of Government Version: 02/24/2014  
Date Data Arrived at EDR: 02/25/2014  
Date Made Active in Reports: 03/20/2014  
Number of Days to Update: 23

Source: Santa Cruz County Environmental Health  
Telephone: 831-464-2761  
Last EDR Contact: 02/24/2014  
Next Scheduled EDR Contact: 06/09/2014  
Data Release Frequency: Varies

## SHASTA COUNTY:

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## CUPA Facility List

### Cupa Facility List.

Date of Government Version: 03/17/2014  
Date Data Arrived at EDR: 03/18/2014  
Date Made Active in Reports: 04/24/2014  
Number of Days to Update: 37

Source: Shasta County Department of Resource Management  
Telephone: 530-225-5789  
Last EDR Contact: 02/24/2014  
Next Scheduled EDR Contact: 06/09/2014  
Data Release Frequency: Varies

## SOLANO COUNTY:

### Leaking Underground Storage Tanks

A listing of leaking underground storage tank sites located in Solano county.

Date of Government Version: 04/25/2014  
Date Data Arrived at EDR: 04/01/2014  
Date Made Active in Reports: 04/28/2014  
Number of Days to Update: 27

Source: Solano County Department of Environmental Management  
Telephone: 707-784-6770  
Last EDR Contact: 03/17/2014  
Next Scheduled EDR Contact: 06/30/2014  
Data Release Frequency: Quarterly

### Underground Storage Tanks

Underground storage tank sites located in Solano county.

Date of Government Version: 03/25/2014  
Date Data Arrived at EDR: 04/01/2014  
Date Made Active in Reports: 05/05/2014  
Number of Days to Update: 34

Source: Solano County Department of Environmental Management  
Telephone: 707-784-6770  
Last EDR Contact: 03/17/2014  
Next Scheduled EDR Contact: 06/30/2014  
Data Release Frequency: Quarterly

## SONOMA COUNTY:

### Cupa Facility List

#### Cupa Facility list

Date of Government Version: 12/31/2013  
Date Data Arrived at EDR: 01/02/2014  
Date Made Active in Reports: 02/11/2014  
Number of Days to Update: 40

Source: County of Sonoma Fire & Emergency Services Department  
Telephone: 707-565-1174  
Last EDR Contact: 03/31/2014  
Next Scheduled EDR Contact: 07/14/2014  
Data Release Frequency: Varies

### Leaking Underground Storage Tank Sites

A listing of leaking underground storage tank sites located in Sonoma county.

Date of Government Version: 04/01/2014  
Date Data Arrived at EDR: 04/03/2014  
Date Made Active in Reports: 04/28/2014  
Number of Days to Update: 25

Source: Department of Health Services  
Telephone: 707-565-6565  
Last EDR Contact: 03/31/2014  
Next Scheduled EDR Contact: 07/14/2014  
Data Release Frequency: Quarterly

## SUTTER COUNTY:

### Underground Storage Tanks

Underground storage tank sites located in Sutter county.

Date of Government Version: 03/24/2014  
Date Data Arrived at EDR: 03/24/2014  
Date Made Active in Reports: 04/28/2014  
Number of Days to Update: 35

Source: Sutter County Department of Agriculture  
Telephone: 530-822-7500  
Last EDR Contact: 03/24/2014  
Next Scheduled EDR Contact: 06/23/2014  
Data Release Frequency: Semi-Annually

## TUOLUMNE COUNTY:

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## CUPA Facility List

Cupa facility list

Date of Government Version: 01/27/2014  
Date Data Arrived at EDR: 01/28/2014  
Date Made Active in Reports: 03/17/2014  
Number of Days to Update: 48

Source: Division of Environmental Health  
Telephone: 209-533-5633  
Last EDR Contact: 04/28/2014  
Next Scheduled EDR Contact: 08/11/2014  
Data Release Frequency: Varies

## VENTURA COUNTY:

### Business Plan, Hazardous Waste Producers, and Operating Underground Tanks

The BWT list indicates by site address whether the Environmental Health Division has Business Plan (B), Waste Producer (W), and/or Underground Tank (T) information.

Date of Government Version: 01/28/2014  
Date Data Arrived at EDR: 02/25/2014  
Date Made Active in Reports: 03/20/2014  
Number of Days to Update: 23

Source: Ventura County Environmental Health Division  
Telephone: 805-654-2813  
Last EDR Contact: 02/18/2014  
Next Scheduled EDR Contact: 06/02/2014  
Data Release Frequency: Quarterly

### Inventory of Illegal Abandoned and Inactive Sites

Ventura County Inventory of Closed, Illegal Abandoned, and Inactive Sites.

Date of Government Version: 12/01/2011  
Date Data Arrived at EDR: 12/01/2011  
Date Made Active in Reports: 01/19/2012  
Number of Days to Update: 49

Source: Environmental Health Division  
Telephone: 805-654-2813  
Last EDR Contact: 04/04/2014  
Next Scheduled EDR Contact: 07/21/2014  
Data Release Frequency: Annually

### Listing of Underground Tank Cleanup Sites

Ventura County Underground Storage Tank Cleanup Sites (LUST).

Date of Government Version: 05/29/2008  
Date Data Arrived at EDR: 06/24/2008  
Date Made Active in Reports: 07/31/2008  
Number of Days to Update: 37

Source: Environmental Health Division  
Telephone: 805-654-2813  
Last EDR Contact: 02/17/2014  
Next Scheduled EDR Contact: 06/02/2014  
Data Release Frequency: Quarterly

### Medical Waste Program List

To protect public health and safety and the environment from potential exposure to disease causing agents, the Environmental Health Division Medical Waste Program regulates the generation, handling, storage, treatment and disposal of medical waste throughout the County.

Date of Government Version: 03/06/2014  
Date Data Arrived at EDR: 03/24/2014  
Date Made Active in Reports: 04/28/2014  
Number of Days to Update: 35

Source: Ventura County Resource Management Agency  
Telephone: 805-654-2813  
Last EDR Contact: 04/28/2014  
Next Scheduled EDR Contact: 08/11/2014  
Data Release Frequency: Quarterly

### Underground Tank Closed Sites List

Ventura County Operating Underground Storage Tank Sites (UST)/Underground Tank Closed Sites List.

Date of Government Version: 03/06/2014  
Date Data Arrived at EDR: 03/21/2014  
Date Made Active in Reports: 04/28/2014  
Number of Days to Update: 38

Source: Environmental Health Division  
Telephone: 805-654-2813  
Last EDR Contact: 03/17/2014  
Next Scheduled EDR Contact: 06/30/2014  
Data Release Frequency: Quarterly

## YOLO COUNTY:

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Underground Storage Tank Comprehensive Facility Report  
Underground storage tank sites located in Yolo county.

Date of Government Version: 04/01/2014	Source: Yolo County Department of Health
Date Data Arrived at EDR: 04/08/2014	Telephone: 530-666-8646
Date Made Active in Reports: 05/05/2014	Last EDR Contact: 03/24/2014
Number of Days to Update: 27	Next Scheduled EDR Contact: 07/07/2014
	Data Release Frequency: Annually

YUBA COUNTY:

CUPA Facility List  
CUPA facility listing for Yuba County.

Date of Government Version: 02/11/2014	Source: Yuba County Environmental Health Department
Date Data Arrived at EDR: 02/13/2014	Telephone: 530-749-7523
Date Made Active in Reports: 03/17/2014	Last EDR Contact: 05/05/2014
Number of Days to Update: 32	Next Scheduled EDR Contact: 08/18/2014
	Data Release Frequency: Varies

## OTHER DATABASE(S)

Depending on the geographic area covered by this report, the data provided in these specialty databases may or may not be complete. For example, the existence of wetlands information data in a specific report does not mean that all wetlands in the area covered by the report are included. Moreover, the absence of any reported wetlands information does not necessarily mean that wetlands do not exist in the area covered by the report.

CT MANIFEST: Hazardous Waste Manifest Data

Facility and manifest data. Manifest is a document that lists and tracks hazardous waste from the generator through transporters to a tsd facility.

Date of Government Version: 07/30/2013	Source: Department of Energy & Environmental Protection
Date Data Arrived at EDR: 08/19/2013	Telephone: 860-424-3375
Date Made Active in Reports: 10/03/2013	Last EDR Contact: 02/21/2014
Number of Days to Update: 45	Next Scheduled EDR Contact: 06/02/2014
	Data Release Frequency: Annually

NJ MANIFEST: Manifest Information

Hazardous waste manifest information.

Date of Government Version: 12/31/2011	Source: Department of Environmental Protection
Date Data Arrived at EDR: 07/19/2012	Telephone: N/A
Date Made Active in Reports: 08/28/2012	Last EDR Contact: 04/18/2014
Number of Days to Update: 40	Next Scheduled EDR Contact: 07/28/2014
	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: 02/28/2014	Source: Department of Environmental Conservation
Date Data Arrived at EDR: 03/12/2014	Telephone: 518-402-8651
Date Made Active in Reports: 04/29/2014	Last EDR Contact: 05/07/2014
Number of Days to Update: 48	Next Scheduled EDR Contact: 08/18/2014
	Data Release Frequency: Annually

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## PA MANIFEST: Manifest Information

Hazardous waste manifest information.

Date of Government Version: 12/31/2012  
Date Data Arrived at EDR: 07/24/2013  
Date Made Active in Reports: 08/19/2013  
Number of Days to Update: 26

Source: Department of Environmental Protection  
Telephone: 717-783-8990  
Last EDR Contact: 04/21/2014  
Next Scheduled EDR Contact: 08/04/2014  
Data Release Frequency: Annually

## RI MANIFEST: Manifest information

Hazardous waste manifest information

Date of Government Version: 12/31/2012  
Date Data Arrived at EDR: 06/21/2013  
Date Made Active in Reports: 08/05/2013  
Number of Days to Update: 45

Source: Department of Environmental Management  
Telephone: 401-222-2797  
Last EDR Contact: 02/24/2014  
Next Scheduled EDR Contact: 06/09/2014  
Data Release Frequency: Annually

## WI MANIFEST: Manifest Information

Hazardous waste manifest information.

Date of Government Version: 12/31/2012  
Date Data Arrived at EDR: 08/09/2013  
Date Made Active in Reports: 09/27/2013  
Number of Days to Update: 49

Source: Department of Natural Resources  
Telephone: N/A  
Last EDR Contact: 03/17/2014  
Next Scheduled EDR Contact: 06/30/2014  
Data Release Frequency: Annually

Oil/Gas Pipelines: This data was obtained by EDR from the USGS in 1994. It is referred to by USGS as GeoData Digital Line Graphs from 1:100,000-Scale Maps. It was extracted from the transportation category including some oil, but primarily gas pipelines.

## Electric Power Transmission Line Data

Source: Rextag Strategies Corp.  
Telephone: (281) 769-2247

U.S. Electric Transmission and Power Plants Systems Digital GIS Data

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.

## GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Daycare Centers: Licensed Facilities  
Source: Department of Social Services  
Telephone: 916-657-4041

Flood Zone Data: This data, available in select counties across the country, was obtained by EDR in 2003 & 2011 from the Federal Emergency Management Agency (FEMA). Data depicts 100-year and 500-year flood zones as defined by FEMA.

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.

Scanned Digital USGS 7.5' Topographic Map (DRG)

Source: United States Geologic Survey

A digital raster graphic (DRG) is a scanned image of a U.S. Geological Survey topographic map. The map images are made by scanning published paper maps on high-resolution scanners. The raster image is georeferenced and fit to the Universal Transverse Mercator (UTM) projection.

### **STREET AND ADDRESS INFORMATION**

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## GEOCHECK<sup>®</sup> - PHYSICAL SETTING SOURCE ADDENDUM

### TARGET PROPERTY ADDRESS

NEW ALTERNATIVE HIGH SCHOOL  
1280 FOUNDERS AVENUE  
SANTA MARIA, CA 93454

### TARGET PROPERTY COORDINATES

Latitude (North):	34.8891 - 34° 53' 20.76"
Longitude (West):	120.4109 - 120° 24' 39.24"
Universal Transverse Mercator:	Zone 10
UTM X (Meters):	736611.5
UTM Y (Meters):	3863606.8
Elevation:	442 ft. above sea level

### USGS TOPOGRAPHIC MAP

Target Property Map:	34120-H4 SANTA MARIA, CA
Most Recent Revision:	1982
South Map:	34120-G4 ORCUTT, CA
Most Recent Revision:	1978

EDR's GeoCheck Physical Setting Source Addendum is provided to assist the environmental professional in forming an opinion about the impact of potential contaminant migration.

Assessment of the impact of contaminant migration generally has two principal investigative components:

1. Groundwater flow direction, and
2. Groundwater flow velocity.

Groundwater flow direction may be impacted by surface topography, hydrology, hydrogeology, characteristics of the soil, and nearby wells. Groundwater flow velocity is generally impacted by the nature of the geologic strata.

# GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

## GROUNDWATER FLOW DIRECTION INFORMATION

Groundwater flow direction for a particular site is best determined by a qualified environmental professional using site-specific well data. If such data is not reasonably ascertainable, it may be necessary to rely on other sources of information, such as surface topographic information, hydrologic information, hydrogeologic data collected on nearby properties, and regional groundwater flow information (from deep aquifers).

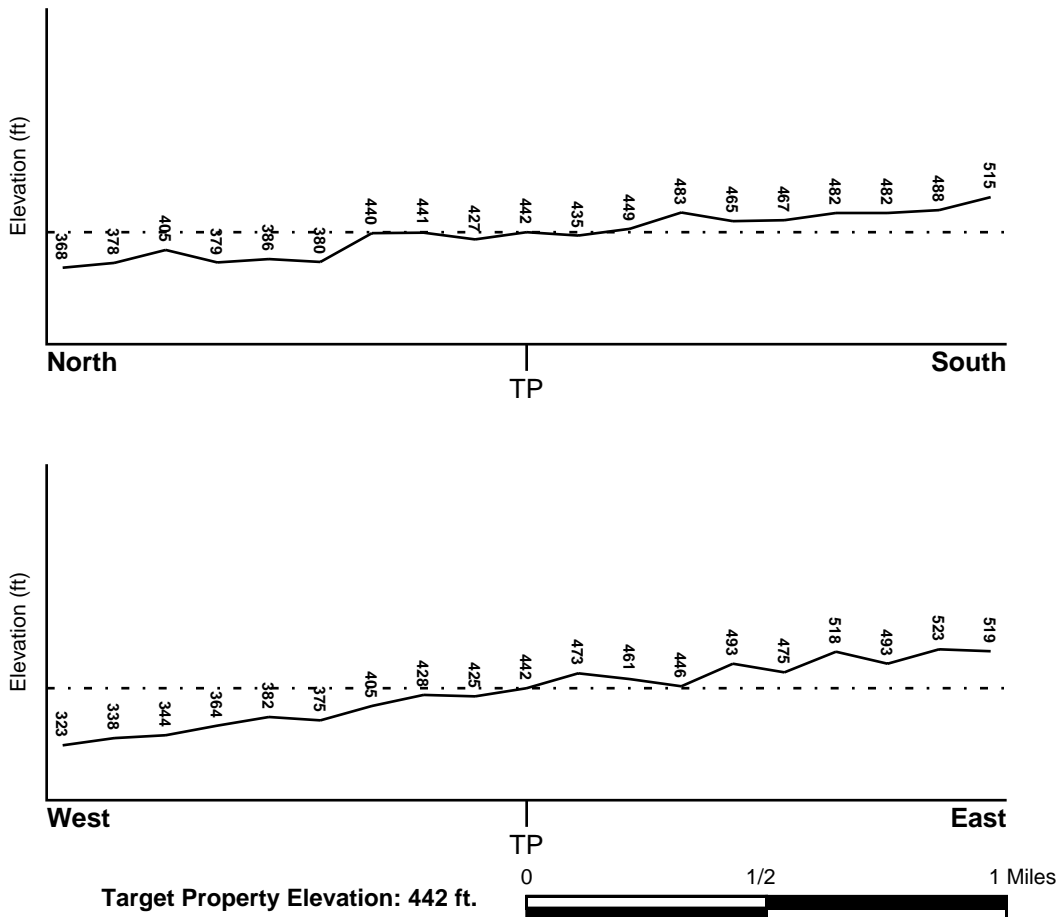
## TOPOGRAPHIC INFORMATION

Surface topography may be indicative of the direction of surficial groundwater flow. This information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

## TARGET PROPERTY TOPOGRAPHY

General Topographic Gradient: General WNW

## SURROUNDING TOPOGRAPHY: ELEVATION PROFILES



Source: Topography has been determined from the USGS 7.5' Digital Elevation Model and should be evaluated on a relative (not an absolute) basis. Relative elevation information between sites of close proximity should be field verified.



# GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

## **HYDROLOGIC INFORMATION**

Surface water can act as a hydrologic barrier to groundwater flow. Such hydrologic information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

Refer to the Physical Setting Source Map following this summary for hydrologic information (major waterways and bodies of water).

## **FEMA FLOOD ZONE**

<u>Target Property County</u> SANTA BARBARA, CA	FEMA Flood <u>Electronic Data</u> YES - refer to the Overview Map and Detail Map
--	--

Flood Plain Panel at Target Property: 06083C - FEMA DFIRM Flood data

Additional Panels in search area: Not Reported

## **NATIONAL WETLAND INVENTORY**

<u>NWI Quad at Target Property</u> SANTA MARIA	NWI Electronic <u>Data Coverage</u> 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.

<u>MAP ID</u>	<u>LOCATION FROM TP</u>	<u>GENERAL DIRECTION GROUNDWATER FLOW</u>
Not Reported		

## GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

### GROUNDWATER FLOW VELOCITY INFORMATION

Groundwater flow velocity information for a particular site is best determined by a qualified environmental professional using site specific geologic and soil strata data. If such data are not reasonably ascertainable, it may be necessary to rely on other sources of information, including geologic age identification, rock stratigraphic unit and soil characteristics data collected on nearby properties and regional soil information. In general, contaminant plumes move more quickly through sandy-gravelly types of soils than silty-clayey types of soils.

### GEOLOGIC INFORMATION IN GENERAL AREA OF TARGET PROPERTY

Geologic information can be used by the environmental professional in forming an opinion about the relative speed at which contaminant migration may be occurring.

#### **ROCK STRATIGRAPHIC UNIT**

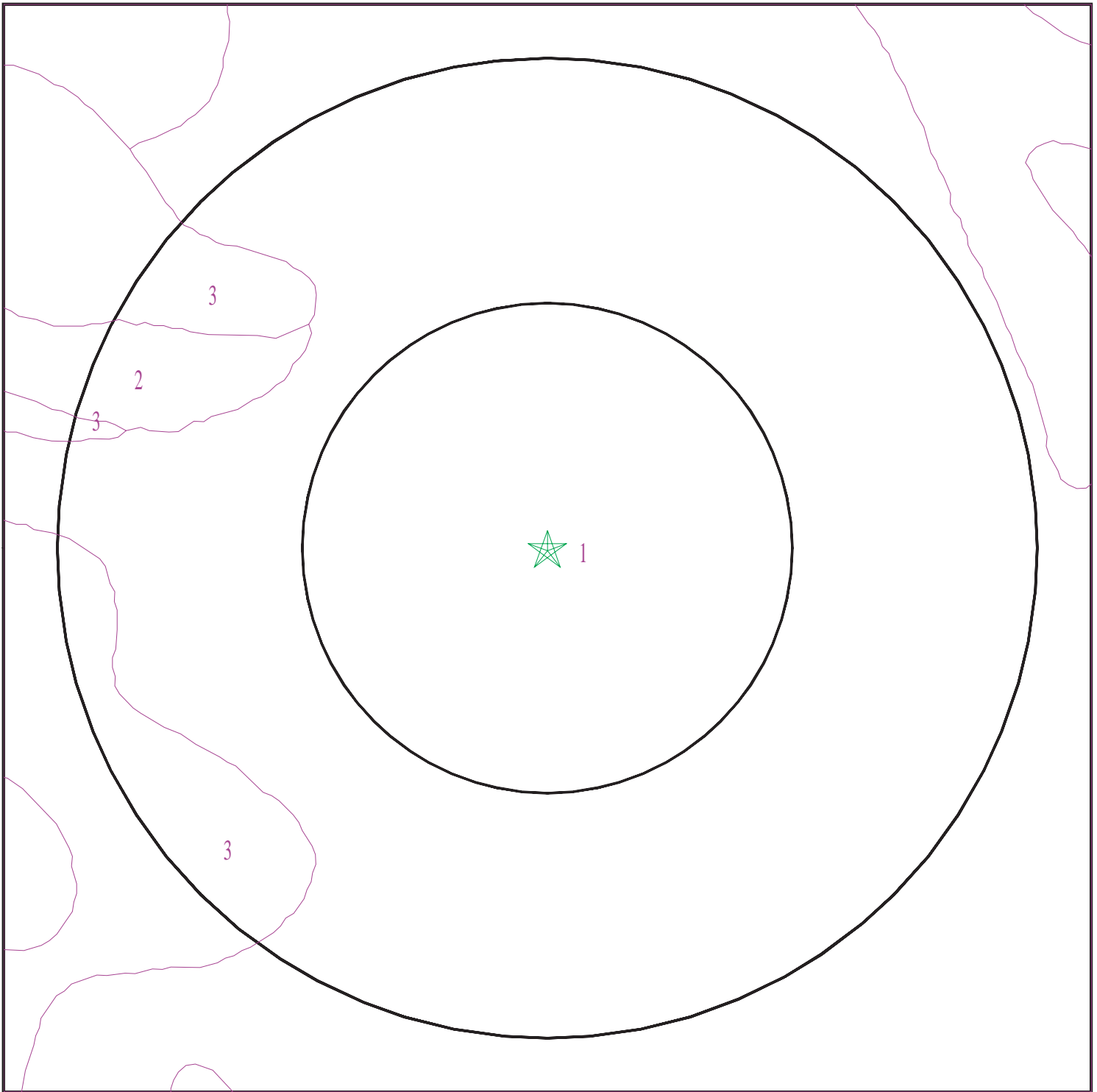
Era: Cenozoic  
System: Quaternary  
Series: Quaternary  
Code: Q (*decoded above as Era, System & Series*)

#### **GEOLOGIC AGE IDENTIFICATION**

Category: Stratified 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 - 3938700.2s



- ★ Target Property
- SSURGO Soil
- Water



SITE NAME: New Alternative High School  
ADDRESS: 1280 Founders Avenue  
Santa Maria CA 93454  
LAT/LONG: 34.8891 / 120.4109

CLIENT: Padre Associates, Inc  
CONTACT: Alan Klein  
INQUIRY #: 3938700.2s  
DATE: May 08, 2014 8:35 pm

# GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

## DOMINANT SOIL COMPOSITION IN GENERAL AREA OF TARGET PROPERTY

The U.S. Department of Agriculture's (USDA) Soil Conservation Service (SCS) leads the National Cooperative Soil Survey (NCSS) and is responsible for collecting, storing, maintaining and distributing soil survey information for privately owned lands in the United States. A soil map in a soil survey is a representation of soil patterns in a landscape. The following information is based on Soil Conservation Service SSURGO data.

### Soil Map ID: 1

Soil Component Name: Oceano

Soil Surface Texture: sand

Hydrologic Group: Class A - High infiltration rates. Soils are deep, well drained to excessively drained sands and gravels.

Soil Drainage Class: Excessively drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: Moderate

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

Soil Layer Information							
Layer	Boundary		Soil Texture Class	Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
	Upper	Lower		AASHTO Group	Unified Soil		
1	0 inches	14 inches	sand	Granular materials (35 pct. or less passing No. 200), Silty, or Clayey Gravel and Sand.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 141 Min: 42	Max: 6 Min: 5.1
2	14 inches	79 inches	sand	Granular materials (35 pct. or less passing No. 200), Silty, or Clayey Gravel and Sand.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 141 Min: 42	Max: 6 Min: 5.1

### Soil Map ID: 2

Soil Component Name: Marina

Soil Surface Texture: sand

Hydrologic Group: Class B - Moderate infiltration rates. Deep and moderately deep, moderately well and well drained soils with moderately coarse textures.

Soil Drainage Class: Somewhat excessively drained

## GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: Moderate

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

Soil Layer Information							
Layer	Boundary		Soil Texture Class	Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
	Upper	Lower		AASHTO Group	Unified Soil		
1	0 inches	27 inches	sand	Granular materials (35 pct. or less passing No. 200), Silty, or Clayey Gravel and Sand.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 141 Min: 42	Max: 6.5 Min: 5.1
2	27 inches	50 inches	sand	Granular materials (35 pct. or less passing No. 200), Stone Fragments, Gravel and Sand.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 14 Min: 4	Max: 6.5 Min: 5.1
3	50 inches	88 inches	sand	Granular materials (35 pct. or less passing No. 200), Stone Fragments, Gravel and Sand.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 141 Min: 42	Max: 6.5 Min: 5.1

### Soil Map ID: 3

Soil Component Name: Marina

Soil Surface Texture: sand

Hydrologic Group: Class B - Moderate infiltration rates. Deep and moderately deep, moderately well and well drained soils with moderately coarse textures.

Soil Drainage Class: Somewhat excessively drained

## GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: Moderate

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

Soil Layer Information							
Layer	Boundary		Soil Texture Class	Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
	Upper	Lower		AASHTO Group	Unified Soil		
1	0 inches	27 inches	sand	Granular materials (35 pct. or less passing No. 200), Silty, or Clayey Gravel and Sand.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 141 Min: 42	Max: 6.5 Min: 5.1
2	27 inches	50 inches	sand	Granular materials (35 pct. or less passing No. 200), Stone Fragments, Gravel and Sand.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 14 Min: 4	Max: 6.5 Min: 5.1
3	50 inches	88 inches	sand	Granular materials (35 pct. or less passing No. 200), Stone Fragments, Gravel and Sand.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 141 Min: 42	Max: 6.5 Min: 5.1

### 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

<u>DATABASE</u>	<u>SEARCH DISTANCE (miles)</u>
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	USGS40000156723	1/2 - 1 Mile WNW
A2	USGS40000156725	1/2 - 1 Mile WNW
A3	USGS40000156724	1/2 - 1 Mile WNW

## 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

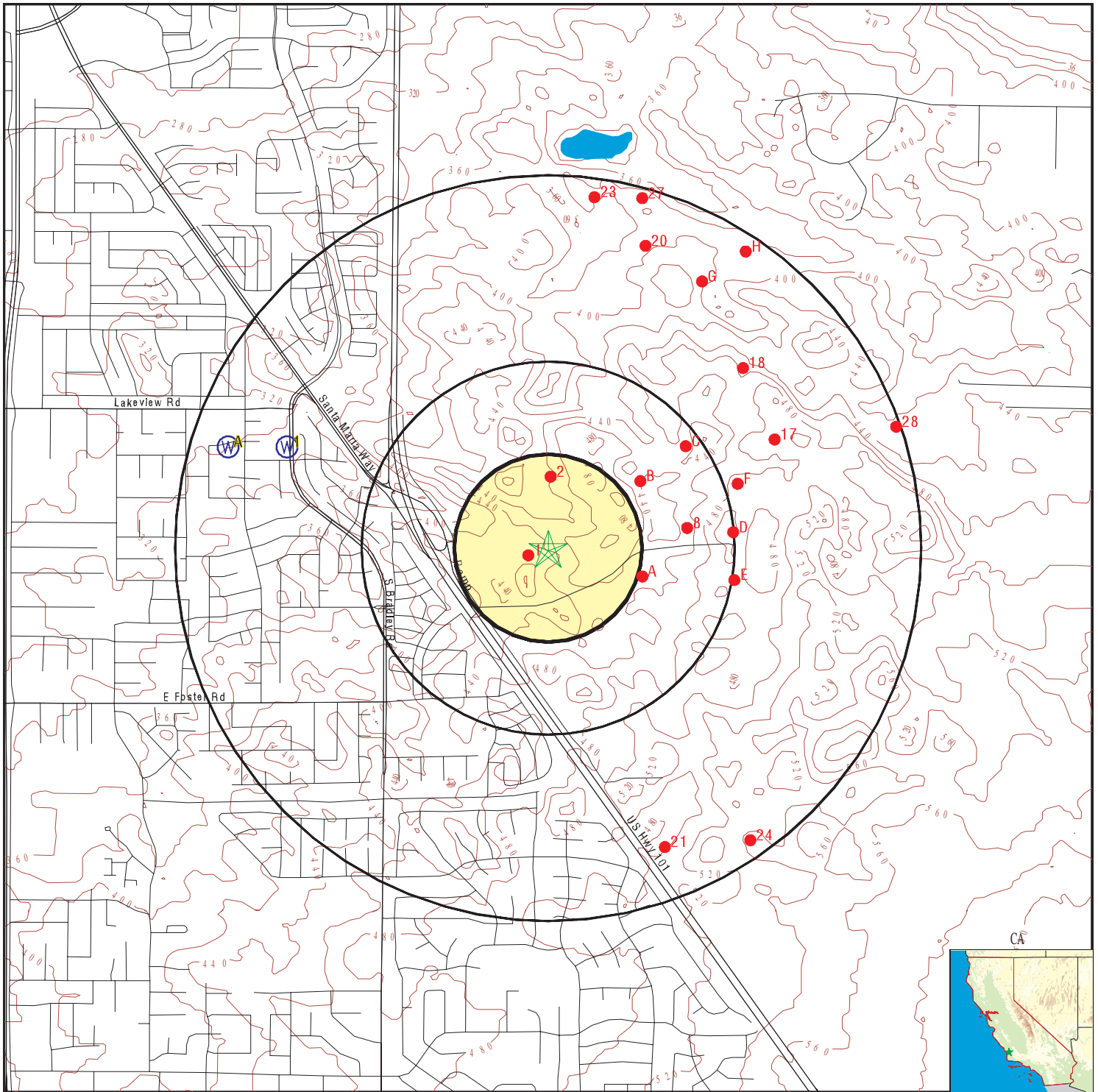
MAP ID	WELL ID	LOCATION FROM TP
No Wells Found		

## OTHER STATE DATABASE INFORMATION

## STATE OIL/GAS WELL INFORMATION

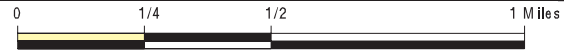
MAP ID	WELL ID	LOCATION FROM TP
1	CAOG9A000051522	0 - 1/8 Mile WSW
2	CAOG9A000051570	1/8 - 1/4 Mile North
A3	CAOG9A000051504	1/4 - 1/2 Mile ESE
A4	CAOG9A000051502	1/4 - 1/2 Mile ESE
B5	CAOG9A000051571	1/4 - 1/2 Mile NE
B6	CAOG9A000051565	1/4 - 1/2 Mile NE
B7	CAOG9A000051564	1/4 - 1/2 Mile ENE
8	CAOG9A000051541	1/4 - 1/2 Mile East
C9	CAOG9A000051596	1/4 - 1/2 Mile NE
C10	CAOG9A000051598	1/4 - 1/2 Mile NE
D11	CAOG9A000051536	1/4 - 1/2 Mile East
D12	CAOG9A000051540	1/2 - 1 Mile East
E13	CAOG9A000051503	1/2 - 1 Mile East
E14	CAOG9A000051499	1/2 - 1 Mile East
F15	CAOG9A000051566	1/2 - 1 Mile ENE
F16	CAOG9A000051563	1/2 - 1 Mile ENE
17	CAOG9A000051601	1/2 - 1 Mile ENE
18	CAOG9A000051650	1/2 - 1 Mile NE
G19	CAOG9A000051697	1/2 - 1 Mile NNE
20	CAOG9A000051730	1/2 - 1 Mile NNE
21	CAOG9A000051277	1/2 - 1 Mile SSE
G22	CAOG9A000051722	1/2 - 1 Mile NNE
23	CAOG9A000051766	1/2 - 1 Mile North
24	CAOG9A000051282	1/2 - 1 Mile SE
H25	CAOG9A000051726	1/2 - 1 Mile NE
H26	CAOG9A000051728	1/2 - 1 Mile NNE
27	CAOG9A000051765	1/2 - 1 Mile NNE
28	CAOG9A000051607	1/2 - 1 Mile ENE

# PHYSICAL SETTING SOURCE MAP - 3938700.2s



- County Boundary
- Major Roads
- Contour Lines
- Earthquake Fault Lines
- Earthquake epicenter, Richter 5 or greater
- Water Wells
- Public Water Supply Wells
- Cluster of Multiple Icons

- Groundwater Flow Direction
- Indeterminate Groundwater Flow at Location
- Groundwater Flow Varies at Location
- Closest Hydrogeological Data
- Oil, gas or related wells



SITE NAME: New Alternative High School  
 ADDRESS: 1280 Founders Avenue  
 Santa Maria CA 93454  
 LAT/LONG: 34.8891 / 120.4109

CLIENT: Padre Associates, Inc  
 CONTACT: Alan Klein  
 INQUIRY #: 3938700.2s  
 DATE: May 08, 2014 8:35 pm



# GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID  
 Direction  
 Distance  
 Elevation

Database      EDR ID Number

**1**  
**WNW**      **FED USGS**      **USGS40000156723**  
**1/2 - 1 Mile**  
**Lower**

Org. Identifier:	USGS-CA		
Formal name:	USGS California Water Science Center		
Monloc Identifier:	USGS-345335120252001		
Monloc name:	009N034W02A001S		
Monloc type:	Well		
Monloc desc:	Not Reported		
Huc code:	18060008	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	34.8930347
Longitude:	-120.4232183	Sourcemap scale:	Not Reported
Horiz Acc measure:	1	Horiz Acc measure units:	seconds
Horiz Collection method:	Interpolated from map		
Horiz coord refsys:	NAD83	Vert measure val:	320.00
Vert measure units:	feet	Vertacc measure val:	10
Vert accmeasure units:	feet		
Vertcollection method:	Interpolated from topographic map		
Vert coord refsys:	NGVD29	Countrycode:	US
Aquifername:	California Coastal Basin aquifers		
Formation type:	Not Reported		
Aquifer type:	Not Reported		
Construction date:	19420101	Welldepth:	Not Reported
Welldepth units:	Not Reported	Wellholedepth:	229
Wellholedepth units:	ft		

Ground-water levels, Number of Measurements: 0

**A2**  
**WNW**      **FED USGS**      **USGS40000156725**  
**1/2 - 1 Mile**  
**Lower**

Org. Identifier:	USGS-CA		
Formal name:	USGS California Water Science Center		
Monloc Identifier:	USGS-345335120253002		
Monloc name:	009N034W02B002S		
Monloc type:	Well		
Monloc desc:	Not Reported		
Huc code:	18060008	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	34.8930347
Longitude:	-120.4259962	Sourcemap scale:	Not Reported
Horiz Acc measure:	1	Horiz Acc measure units:	seconds
Horiz Collection method:	Interpolated from map		
Horiz coord refsys:	NAD83	Vert measure val:	315.00
Vert measure units:	feet	Vertacc measure val:	10
Vert accmeasure units:	feet		
Vertcollection method:	Interpolated from topographic map		
Vert coord refsys:	NGVD29	Countrycode:	US
Aquifername:	California Coastal Basin aquifers		
Formation type:	Not Reported		

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Aquifer type:	Not Reported	Welldepth:	247
Construction date:	19500101	Wellholeddepth:	252
Welldepth units:	ft		
Wellholeddepth units:	ft		

Ground-water levels, Number of Measurements: 0

**A3**  
**WNW**  
**1/2 - 1 Mile**  
**Lower**

**FED USGS      USGS40000156724**

Org. Identifier:	USGS-CA		
Formal name:	USGS California Water Science Center		
Monloc Identifier:	USGS-345335120253001		
Monloc name:	009N034W02B001S		
Monloc type:	Well		
Monloc desc:	Not Reported		
Huc code:	18060008	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	34.8930347
Longitude:	-120.4259962	Sourcemap scale:	Not Reported
Horiz Acc measure:	1	Horiz Acc measure units:	seconds
Horiz Collection method:	Interpolated from map		
Horiz coord refsys:	NAD83	Vert measure val:	315.00
Vert measure units:	feet	Vertacc measure val:	10
Vert accmeasure units:	feet		
Vertcollection method:	Interpolated from topographic map		
Vert coord refsys:	NGVD29	Countrycode:	US
Aquifername:	California Coastal Basin aquifers		
Formation type:	Not Reported		
Aquifer type:	Not Reported		
Construction date:	Not Reported	Welldepth:	Not Reported
Welldepth units:	Not Reported	Wellholeddepth:	202
Wellholeddepth units:	ft		

Ground-water levels, Number of Measurements: 0

# GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID  
Direction  
Distance

Database      EDR ID Number

**1**  
**WSW**  
**0 - 1/8 Mile**

**OIL\_GAS      CAOG9A000051522**

Districtnu:	3	Apinumber:	08320574
Blmwel:	N	Redrillcan:	Not Reported
Dryhole:	N	Wellstatus:	P
Operatorna:	Greka Oil & Gas Inc.		
Countyname:	Santa Barbara	Fieldname:	Santa Maria Valley
Areaname:	Bradley		
Section:	1		
Township:	09N	Range:	34W
Basemeridi:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Glat:	34.888818		
Glong:	-120.411835		
Gissourcec:	UNK		
Comments:	Not Reported		
Leasename:	Shell-Standard Blanckenburg	Wellnumber:	1
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	30-DEC-99
Welldeptha:	Not Reported	Redrillfoo:	Not Reported
Abandonedd:	//	Completion:	//
Gissymbol:	POG	Site id:	CAOG9A000051522

**2**  
**North**  
**1/8 - 1/4 Mile**

**OIL\_GAS      CAOG9A000051570**

Districtnu:	3	Apinumber:	08320617
Blmwel:	N	Redrillcan:	Not Reported
Dryhole:	N	Wellstatus:	P
Operatorna:	Shell Western Exploration & Production Inc.		
Countyname:	Santa Barbara	Fieldname:	Santa Maria Valley
Areaname:	Any Area		
Section:	1		
Township:	09N	Range:	34W
Basemeridi:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Glat:	34.891876		
Glong:	-120.410786		
Gissourcec:	UNK		
Comments:	Not Reported		
Leasename:	Shell-Standard-Adams	Wellnumber:	42-1
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	30-DEC-99
Welldeptha:	Not Reported	Redrillfoo:	Not Reported
Abandonedd:	//	Completion:	//
Gissymbol:	Not Reported	Site id:	CAOG9A000051570

**A3**  
**ESE**  
**1/4 - 1/2 Mile**

**OIL\_GAS      CAOG9A000051504**

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Districtnu:	3	Apinumber:	08320602
Blmwell:	N	Redrillcan:	Not Reported
Dryhole:	N	Wellstatus:	A
Operatorna:	Greka Oil & Gas Inc.	Fieldname:	Santa Maria Valley
Countyname:	Santa Barbara	Range:	34W
Areaname:	Bradley	Elevation:	Not Reported
Section:	1		
Township:	09N		
Basemeridi:	SB		
Locationde:	Not Reported		
Glat:	34.888019		
Glong:	-120.406537		
Gissourcec:	GPS		
Comments:	Not Reported		
Leasename:	Jim Hopkins	Wellnumber:	64-1
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	30-DEC-99
Welldeptha:	Not Reported	Redrillfoo:	Not Reported
Abandonedd:	//	Completion:	//
Gissymbol:	AWF	Site id:	CAOG9A000051504

**A4  
ESE  
1/4 - 1/2 Mile**

**OIL\_GAS      CAOG9A000051502**

Districtnu:	3	Apinumber:	08322002
Blmwell:	N	Redrillcan:	Not Reported
Dryhole:	N	Wellstatus:	A
Operatorna:	Greka Oil & Gas Inc.	Fieldname:	Santa Maria Valley
Countyname:	Santa Barbara	Range:	34W
Areaname:	Bradley	Elevation:	Not Reported
Section:	1		
Township:	09N		
Basemeridi:	SB		
Locationde:	Not Reported		
Glat:	34.887978		
Glong:	-120.406374		
Gissourcec:	GPS		
Comments:	Not Reported		
Leasename:	Jim Hopkins	Wellnumber:	63-1
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	30-DEC-99
Welldeptha:	Not Reported	Redrillfoo:	Not Reported
Abandonedd:	//	Completion:	//
Gissymbol:	AWF	Site id:	CAOG9A000051502

**B5  
NE  
1/4 - 1/2 Mile**

**OIL\_GAS      CAOG9A000051571**

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Districtnu:	3	Apinumber:	08322001
Blmwell:	N	Redrillcan:	Not Reported
Dryhole:	N	Wellstatus:	A
Operatorna:	Greka Oil & Gas Inc.		
Countyname:	Santa Barbara	Fieldname:	Santa Maria Valley
Areaname:	Bradley		
Section:	1		
Township:	09N	Range:	34W
Basemeridi:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Glat:	34.891915		
Glong:	-120.406795		
Gissourcec:	UNK		
Comments:	Not Reported		
Leasename:	Jim Hopkins	Wellnumber:	52-1
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	30-DEC-99
Welldeptha:	Not Reported	Redrillfoo:	Not Reported
Abandonedd:	//	Completion:	//
Gissymbol:	AOG	Site id:	CAOG9A000051571

**B6  
NE  
1/4 - 1/2 Mile**

**OIL\_GAS      CAOG9A000051565**

Districtnu:	3	Apinumber:	08320585
Blmwell:	N	Redrillcan:	Not Reported
Dryhole:	N	Wellstatus:	A
Operatorna:	Greka Oil & Gas Inc.		
Countyname:	Santa Barbara	Fieldname:	Santa Maria Valley
Areaname:	Bradley		
Section:	1		
Township:	09N	Range:	34W
Basemeridi:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Glat:	34.891667		
Glong:	-120.406544		
Gissourcec:	UNK		
Comments:	Not Reported		
Leasename:	Jim Hopkins	Wellnumber:	62-1
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	30-DEC-99
Welldeptha:	Not Reported	Redrillfoo:	Not Reported
Abandonedd:	//	Completion:	//
Gissymbol:	AOG	Site id:	CAOG9A000051565

**B7  
ENE  
1/4 - 1/2 Mile**

**OIL\_GAS      CAOG9A000051564**

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Districtnu:	3	Apinumber:	08320662
Blmwell:	N	Redrillcan:	Not Reported
Dryhole:	N	Wellstatus:	A
Operatorna:	Greka Oil & Gas Inc.	Fieldname:	Santa Maria Valley
Countyname:	Santa Barbara	Range:	34W
Areaname:	Bradley	Elevation:	Not Reported
Section:	1		
Township:	09N		
Basemeridi:	SB		
Locationde:	Not Reported		
Glat:	34.891537		
Glong:	-120.406315		
Gissourcec:	GPS		
Comments:	Not Reported		
Leasename:	Jim Hopkins	Wellnumber:	53-1
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	30-DEC-99
Welldeptha:	Not Reported	Redrillfoo:	Not Reported
Abandonedd:	//	Completion:	//
Gissymbol:	AOG	Site id:	CAOG9A000051564

**8**  
**East**  
**1/4 - 1/2 Mile**

**OIL\_GAS      CAOG9A000051541**

Districtnu:	3	Apinumber:	08320551
Blmwell:	N	Redrillcan:	Not Reported
Dryhole:	N	Wellstatus:	I
Operatorna:	Greka Oil & Gas Inc.	Fieldname:	Santa Maria Valley
Countyname:	Santa Barbara	Range:	34W
Areaname:	Bradley	Elevation:	Not Reported
Section:	1		
Township:	09N		
Basemeridi:	SB		
Locationde:	Not Reported		
Glat:	34.889885		
Glong:	-120.404342		
Gissourcec:	GPS		
Comments:	Not Reported		
Leasename:	Jim Hopkins	Wellnumber:	73-1
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	30-DEC-99
Welldeptha:	Not Reported	Redrillfoo:	Not Reported
Abandonedd:	//	Completion:	//
Gissymbol:	AWF	Site id:	CAOG9A000051541

**C9**  
**NE**  
**1/4 - 1/2 Mile**

**OIL\_GAS      CAOG9A000051596**

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Districtnu:	3	Apinumber:	08321980
Blmwell:	N	Redrillcan:	Not Reported
Dryhole:	N	Wellstatus:	A
Operatorna:	Greka Oil & Gas Inc.	Fieldname:	Santa Maria Valley
Countyname:	Santa Barbara	Range:	34W
Areaname:	Bradley	Elevation:	Not Reported
Section:	1		
Township:	09N		
Basemeridi:	SB		
Locationde:	Not Reported		
Glat:	34.893023		
Glong:	-120.404456		
Gissourcec:	GPS		
Comments:	Not Reported		
Leasename:	Jim Hopkins	Wellnumber:	72-1
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	30-DEC-99
Welldeptha:	Not Reported	Redrillfoo:	Not Reported
Abandonedd:	//	Completion:	//
Gissymbol:	AOG	Site id:	CAOG9A000051596

**C10**  
**NE**  
**1/4 - 1/2 Mile**

**OIL\_GAS      CAOG9A000051598**

Districtnu:	3	Apinumber:	08320588
Blmwell:	N	Redrillcan:	Not Reported
Dryhole:	N	Wellstatus:	A
Operatorna:	Greka Oil & Gas Inc.	Fieldname:	Santa Maria Valley
Countyname:	Santa Barbara	Range:	34W
Areaname:	Bradley	Elevation:	Not Reported
Section:	1		
Township:	09N		
Basemeridi:	SB		
Locationde:	Not Reported		
Glat:	34.893101		
Glong:	-120.404364		
Gissourcec:	GPS		
Comments:	Not Reported		
Leasename:	Jim Hopkins	Wellnumber:	71X-1
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	30-DEC-99
Welldeptha:	Not Reported	Redrillfoo:	Not Reported
Abandonedd:	//	Completion:	//
Gissymbol:	AWF	Site id:	CAOG9A000051598

**D11**  
**East**  
**1/4 - 1/2 Mile**

**OIL\_GAS      CAOG9A000051536**

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Districtnu:	3	Apinumber:	08322166
Blmwell:	N	Redrillcan:	Not Reported
Dryhole:	N	Wellstatus:	I
Operatorna:	Greka Oil & Gas Inc.		
Countyname:	Santa Barbara	Fieldname:	Santa Maria Valley
Areaname:	Bradley		
Section:	1		
Township:	09N	Range:	34W
Basemeridi:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Glat:	34.889552		
Glong:	-120.4022		
Gissourcec:	GPS		
Comments:	Not Reported		
Leasename:	Jim Hopkins	Wellnumber:	283-1
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	30-DEC-99
Welldeptha:	Not Reported	Redrillfoo:	Not Reported
Abandonedd:	//	Completion:	//
Gissymbol:	AOG	Site id:	CAOG9A000051536

**D12  
East  
1/2 - 1 Mile**

**OIL\_GAS      CAOG9A000051540**

Districtnu:	3	Apinumber:	08320739
Blmwell:	N	Redrillcan:	Not Reported
Dryhole:	N	Wellstatus:	I
Operatorna:	Greka Oil & Gas Inc.		
Countyname:	Santa Barbara	Fieldname:	Santa Maria Valley
Areaname:	Bradley		
Section:	1		
Township:	09N	Range:	34W
Basemeridi:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Glat:	34.88988		
Glong:	-120.402137		
Gissourcec:	GPS		
Comments:	Not Reported		
Leasename:	Jim Hopkins	Wellnumber:	83-1
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	30-DEC-99
Welldeptha:	Not Reported	Redrillfoo:	Not Reported
Abandonedd:	//	Completion:	//
Gissymbol:	AOG	Site id:	CAOG9A000051540

**E13  
East  
1/2 - 1 Mile**

**OIL\_GAS      CAOG9A000051503**



## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Districtnu:	3	Apinumber:	08320554
Blmwell:	N	Redrillcan:	Not Reported
Dryhole:	N	Wellstatus:	A
Operatorna:	Greka Oil & Gas Inc.		
Countyname:	Santa Barbara	Fieldname:	Santa Maria Valley
Areaname:	Bradley		
Section:	1		
Township:	09N	Range:	34W
Basemeridi:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Glat:	34.887992		
Glong:	-120.402096		
Gissourcec:	UNK		
Comments:	Not Reported		
Leasename:	Jim Hopkins	Wellnumber:	84-1
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	30-DEC-99
Welldeptha:	Not Reported	Redrillfoo:	Not Reported
Abandonedd:	//	Completion:	//
Gissymbol:	AWF	Site id:	CAOG9A000051503

**E14**  
**East**  
**1/2 - 1 Mile**

**OIL\_GAS      CAOG9A000051499**

Districtnu:	3	Apinumber:	08320640
Blmwell:	N	Redrillcan:	Not Reported
Dryhole:	N	Wellstatus:	A
Operatorna:	Greka Oil & Gas Inc.		
Countyname:	Santa Barbara	Fieldname:	Santa Maria Valley
Areaname:	Bradley		
Section:	1		
Township:	09N	Range:	34W
Basemeridi:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Glat:	34.88772		
Glong:	-120.402136		
Gissourcec:	UNK		
Comments:	Not Reported		
Leasename:	Jim Hopkins	Wellnumber:	75-1
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	30-DEC-99
Welldeptha:	Not Reported	Redrillfoo:	Not Reported
Abandonedd:	//	Completion:	//
Gissymbol:	AWF	Site id:	CAOG9A000051499

**F15**  
**ENE**  
**1/2 - 1 Mile**

**OIL\_GAS      CAOG9A000051566**

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Districtnu:	3	Apinumber:	08320540
Blmwell:	N	Redrillcan:	Not Reported
Dryhole:	N	Wellstatus:	A
Operatorna:	Greka Oil & Gas Inc.	Fieldname:	Santa Maria Valley
Countyname:	Santa Barbara	Range:	34W
Areaname:	Bradley	Elevation:	Not Reported
Section:	1		
Township:	09N		
Basemeridi:	SB		
Locationde:	Not Reported		
Glat:	34.89167		
Glong:	-120.402193		
Gissourcec:	UNK		
Comments:	Not Reported		
Leasename:	Jim Hopkins	Wellnumber:	82-1
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	30-DEC-99
Welldeptha:	Not Reported	Redrillfoo:	Not Reported
Abandonedd:	//	Completion:	//
Gissymbol:	AOG	Site id:	CAOG9A000051566

**F16  
ENE  
1/2 - 1 Mile**

**OIL\_GAS      CAOG9A000051563**

Districtnu:	3	Apinumber:	08322197
Blmwell:	N	Redrillcan:	Not Reported
Dryhole:	N	Wellstatus:	A
Operatorna:	Greka Oil & Gas Inc.	Fieldname:	Santa Maria Valley
Countyname:	Santa Barbara	Range:	34W
Areaname:	Bradley	Elevation:	Not Reported
Section:	1		
Township:	09N		
Basemeridi:	SB		
Locationde:	Not Reported		
Glat:	34.89153		
Glong:	-120.401725		
Gissourcec:	UNK		
Comments:	Not Reported		
Leasename:	Jim Hopkins	Wellnumber:	293
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	30-DEC-99
Welldeptha:	Not Reported	Redrillfoo:	Not Reported
Abandonedd:	//	Completion:	//
Gissymbol:	AOG	Site id:	CAOG9A000051563

**17  
ENE  
1/2 - 1 Mile**

**OIL\_GAS      CAOG9A000051601**

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Districtnu:	3	Apinumber:	08321632
Blmwell:	N	Redrillcan:	Not Reported
Dryhole:	N	Wellstatus:	P
Operatorna:	Chevron U.S.A. Inc.	Fieldname:	Santa Maria Valley
Countyname:	Santa Barbara	Range:	33W
Areaname:	Bradley	Elevation:	Not Reported
Section:	6	Wellnumber:	1-1
Township:	09N	Hydraulica:	N
Basemeridi:	SB	Spuddate:	30-DEC-99
Locationde:	Not Reported	Redrillfoo:	Not Reported
Glat:	34.893322	Completion:	//
Glong:	-120.400218	Site id:	CAOG9A000051601
Gissourcec:	UNK		
Comments:	Not Reported		
Leasename:	Bradley Lands		
Epawell:	N		
Confidenti:	N		
Welldeptha:	Not Reported		
Abandonedd:	//		
Gissymbol:	POG		

**18  
NE  
1/2 - 1 Mile**

**OIL\_GAS      CAOG9A000051650**

Districtnu:	3	Apinumber:	08320066
Blmwell:	N	Redrillcan:	Not Reported
Dryhole:	N	Wellstatus:	P
Operatorna:	Cecil Basenberg	Fieldname:	Santa Maria Valley
Countyname:	Santa Barbara	Range:	34W
Areaname:	Any Area	Elevation:	Not Reported
Section:	36	Wellnumber:	88-36
Township:	10N	Hydraulica:	N
Basemeridi:	SB	Spuddate:	30-DEC-99
Locationde:	Not Reported	Redrillfoo:	Not Reported
Glat:	34.896102	Completion:	//
Glong:	-120.401707	Site id:	CAOG9A000051650
Gissourcec:	UNK		
Comments:	Not Reported		
Leasename:	Bradley		
Epawell:	N		
Confidenti:	N		
Welldeptha:	Not Reported		
Abandonedd:	//		
Gissymbol:	Not Reported		

**G19  
NNE  
1/2 - 1 Mile**

**OIL\_GAS      CAOG9A000051697**

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Districtnu:	3	Apinumber:	08321634
Blmwell:	N	Redrillcan:	Not Reported
Dryhole:	N	Wellstatus:	P
Operatorna:	Chevron U.S.A. Inc.		
Countyname:	Santa Barbara	Fieldname:	Santa Maria Valley
Areaname:	Main		
Section:	36		
Township:	10N	Range:	34W
Basemeridi:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Glat:	34.898938		
Glong:	-120.403854		
Gissourcec:	UNK		
Comments:	Not Reported		
Leasename:	Bradley Lands	Wellnumber:	5-74
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	30-DEC-99
Welldeptha:	Not Reported	Redrillfoo:	Not Reported
Abandonedd:	//	Completion:	//
Gissymbol:	POG	Site id:	CAOG9A000051697

**20  
NNE  
1/2 - 1 Mile**

**OIL\_GAS      CAOG9A000051730**

Districtnu:	3	Apinumber:	08302561
Blmwell:	N	Redrillcan:	Not Reported
Dryhole:	N	Wellstatus:	P
Operatorna:	Union Oil Company of California		
Countyname:	Santa Barbara	Fieldname:	Santa Maria Valley
Areaname:	Any Area		
Section:	36		
Township:	10N	Range:	34W
Basemeridi:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Glat:	34.900854		
Glong:	-120.406307		
Gissourcec:	UNK		
Comments:	Not Reported		
Leasename:	Bradley Lands	Wellnumber:	4-1
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	30-DEC-99
Welldeptha:	Not Reported	Redrillfoo:	Not Reported
Abandonedd:	//	Completion:	//
Gissymbol:	Not Reported	Site id:	CAOG9A000051730

**21  
SSE  
1/2 - 1 Mile**

**OIL\_GAS      CAOG9A000051277**

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Districtnu:	3	Apinumber:	08304455
Blmwell:	N	Redrillcan:	Not Reported
Dryhole:	N	Wellstatus:	P
Operatorna:	The Hall-Baker Company, Ltd.		
Countyname:	Santa Barbara	Fieldname:	Santa Maria Valley
Areaname:	Any Area		
Section:	12		
Township:	09N	Range:	34W
Basemeridi:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Glat:	34.877477		
Glong:	-120.405392		
Gissourcec:	UNK		
Comments:	Not Reported		
Leasename:	Core Hole Preisker	Wellnumber:	1
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	30-DEC-99
Welldeptha:	Not Reported	Redrillfoo:	Not Reported
Abandonedd:	//	Completion:	//
Gissymbol:	Not Reported	Site id:	CAOG9A000051277

**G22**  
**NNE**  
**1/2 - 1 Mile**

**OIL\_GAS      CAOG9A000051722**

Districtnu:	3	Apinumber:	08302542
Blmwell:	N	Redrillcan:	Not Reported
Dryhole:	N	Wellstatus:	P
Operatorna:	System Oil Co.		
Countyname:	Santa Barbara	Fieldname:	Santa Maria Valley
Areaname:	Any Area		
Section:	36		
Township:	10N	Range:	34W
Basemeridi:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Glat:	34.899999		
Glong:	-120.403417		
Gissourcec:	UNK		
Comments:	Not Reported		
Leasename:	Not Reported	Wellnumber:	1
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	30-DEC-99
Welldeptha:	Not Reported	Redrillfoo:	Not Reported
Abandonedd:	//	Completion:	//
Gissymbol:	Not Reported	Site id:	CAOG9A000051722

**23**  
**North**  
**1/2 - 1 Mile**

**OIL\_GAS      CAOG9A000051766**

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Districtnu:	3	Apinumber:	08302931
Blmwell:	N	Redrillcan:	Not Reported
Dryhole:	N	Wellstatus:	P
Operatorna:	Union Oil Company of California		
Countyname:	Santa Barbara	Fieldname:	Santa Maria Valley
Areaname:	Main		
Section:	36		
Township:	10N	Range:	34W
Basemeridi:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Glat:	34.902744		
Glong:	-120.408716		
Gissourcec:	UNK		
Comments:	Not Reported		
Leasename:	SMVU Union-Bradley II	Wellnumber:	27
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	30-DEC-99
Welldeptha:	Not Reported	Redrillfoo:	Not Reported
Abandonedd:	//	Completion:	//
Gissymbol:	POG	Site id:	CAOG9A000051766

**24  
SE  
1/2 - 1 Mile**

**OIL\_GAS      CAOG9A000051282**

Districtnu:	3	Apinumber:	08320861
Blmwell:	N	Redrillcan:	Not Reported
Dryhole:	N	Wellstatus:	P
Operatorna:	Shell Western Exploration & Production Inc.		
Countyname:	Santa Barbara	Fieldname:	Santa Maria Valley
Areaname:	Bradley		
Section:	12		
Township:	09N	Range:	34W
Basemeridi:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Glat:	34.877743		
Glong:	-120.401357		
Gissourcec:	UNK		
Comments:	Not Reported		
Leasename:	Shell-Standard Payne	Wellnumber:	18-12
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	30-DEC-99
Welldeptha:	Not Reported	Redrillfoo:	Not Reported
Abandonedd:	//	Completion:	//
Gissymbol:	POG	Site id:	CAOG9A000051282

**H25  
NE  
1/2 - 1 Mile**

**OIL\_GAS      CAOG9A000051726**

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Districtnu:	3	Apinumber:	08302475
Blmwell:	N	Redrillcan:	Not Reported
Dryhole:	N	Wellstatus:	P
Operatorna:	Aera Energy LLC		
Countyname:	Santa Barbara	Fieldname:	Santa Maria Valley
Areaname:	Any Area		
Section:	36		
Township:	10N	Range:	34W
Basemeridi:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Glat:	34.900527		
Glong:	-120.401384		
Gissourcec:	UNK		
Comments:	Not Reported		
Leasename:	Bradley	Wellnumber:	3
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	30-DEC-99
Welldeptha:	Not Reported	Redrillfoo:	Not Reported
Abandonedd:	//	Completion:	//
Gissymbol:	Not Reported	Site id:	CAOG9A000051726

**H26**  
**NNE**  
**1/2 - 1 Mile**

**OIL\_GAS      CAOG9A000051728**

Districtnu:	3	Apinumber:	08302560
Blmwell:	N	Redrillcan:	Not Reported
Dryhole:	N	Wellstatus:	P
Operatorna:	Union Oil Company of California		
Countyname:	Santa Barbara	Fieldname:	Santa Maria Valley
Areaname:	Any Area		
Section:	36		
Township:	10N	Range:	34W
Basemeridi:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Glat:	34.90074		
Glong:	-120.401772		
Gissourcec:	UNK		
Comments:	Not Reported		
Leasename:	Bradley Lands	Wellnumber:	3-1
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	30-DEC-99
Welldeptha:	Not Reported	Redrillfoo:	Not Reported
Abandonedd:	//	Completion:	//
Gissymbol:	Not Reported	Site id:	CAOG9A000051728

**27**  
**NNE**  
**1/2 - 1 Mile**

**OIL\_GAS      CAOG9A000051765**

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Districtnu:	3	Apinumber:	08302930
Blmwell:	N	Redrillcan:	Not Reported
Dryhole:	N	Wellstatus:	P
Operatorna:	Union Oil Company of California		
Countyname:	Santa Barbara	Fieldname:	Santa Maria Valley
Areaname:	Main		
Section:	36		
Township:	10N	Range:	34W
Basemeridi:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Glat:	34.902704		
Glong:	-120.406459		
Gissourcec:	UNK		
Comments:	Not Reported		
Leasename:	SMVU Union-Bradley II	Wellnumber:	26
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	30-DEC-99
Welldeptha:	Not Reported	Redrillfoo:	Not Reported
Abandonedd:	//	Completion:	//
Gissymbol:	POG	Site id:	CAOG9A000051765

**28  
ENE  
1/2 - 1 Mile**

**OIL\_GAS      CAOG9A000051607**

Districtnu:	3	Apinumber:	08304517
Blmwell:	N	Redrillcan:	Not Reported
Dryhole:	N	Wellstatus:	P
Operatorna:	Aera Energy LLC		
Countyname:	Santa Barbara	Fieldname:	Santa Maria Valley
Areaname:	Any Area		
Section:	6		
Township:	09N	Range:	33W
Basemeridi:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Glat:	34.893819		
Glong:	-120.394478		
Gissourcec:	UNK		
Comments:	Not Reported		
Leasename:	Bradley	Wellnumber:	1
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	30-DEC-99
Welldeptha:	Not Reported	Redrillfoo:	Not Reported
Abandonedd:	//	Completion:	//
Gissymbol:	Not Reported	Site id:	CAOG9A000051607



# GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS RADON

## AREA RADON INFORMATION

State Database: CA Radon

### Radon Test Results

Zipcode	Num Tests	> 4 pCi/L
93454	34	2

Federal EPA Radon Zone for SANTA BARBARA County: 1

- Note: Zone 1 indoor average level > 4 pCi/L.
- : Zone 2 indoor average level >= 2 pCi/L and <= 4 pCi/L.
- : Zone 3 indoor average level < 2 pCi/L.

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Federal Area Radon Information for Zip Code: 93454

Number of sites tested: 7

Area	Average Activity	% <4 pCi/L	% 4-20 pCi/L	% >20 pCi/L
Living Area - 1st Floor	0.614 pCi/L	100%	0%	0%
Living Area - 2nd Floor	Not Reported	Not Reported	Not Reported	Not Reported
Basement	Not Reported	Not Reported	Not Reported	Not Reported

# PHYSICAL SETTING SOURCE RECORDS SEARCHED

## TOPOGRAPHIC INFORMATION

### USGS 7.5' Digital Elevation Model (DEM)

Source: United States Geologic Survey

EDR acquired the USGS 7.5' Digital Elevation Model in 2002 and updated it in 2006. The 7.5 minute DEM corresponds to the USGS 1:24,000- and 1:25,000-scale topographic quadrangle maps. The DEM provides elevation data with consistent elevation units and projection.

### Scanned Digital USGS 7.5' Topographic Map (DRG)

Source: United States Geologic Survey

A digital raster graphic (DRG) is a scanned image of a U.S. Geological Survey topographic map. The map images are made by scanning published paper maps on high-resolution scanners. The raster image is georeferenced and fit to the Universal Transverse Mercator (UTM) projection.

## HYDROLOGIC INFORMATION

**Flood Zone Data:** This data, available in select counties across the country, was obtained by EDR in 2003 & 2011 from the Federal Emergency Management Agency (FEMA). Data depicts 100-year and 500-year flood zones as defined by FEMA.

**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.

## HYDROGEOLOGIC INFORMATION

### AQUIFLOW<sup>R</sup> Information System

Source: EDR proprietary database of groundwater flow information

EDR has developed the AQUIFLOW Information System (AIS) to provide data on the general direction of groundwater flow at specific points. EDR has reviewed reports submitted to regulatory authorities at select sites and has extracted the date of the report, hydrogeologically determined groundwater flow direction and depth to water table information.

## GEOLOGIC INFORMATION

### Geologic Age and Rock Stratigraphic Unit

Source: P.G. Schruben, R.E. Arndt and W.J. Bawiec, Geology of the Conterminous U.S. at 1:2,500,000 Scale - A digital representation of the 1974 P.B. King and H.M. Beikman Map, USGS Digital Data Series DDS - 11 (1994).

### STATSGO: State Soil Geographic Database

Source: Department of Agriculture, Natural Resources Conservation Services

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 Services (NRCS)

Telephone: 800-672-5559

SSURGO is the most detailed level of mapping done by the Natural Resources Conservation Services, mapping scales generally range from 1:12,000 to 1:63,360. Field mapping methods using national standards are used to construct the soil maps in the Soil Survey Geographic (SSURGO) database. SSURGO digitizing duplicates the original soil survey maps. This level of mapping is designed for use by landowners, townships and county natural resource planning and management.

# PHYSICAL SETTING SOURCE RECORDS SEARCHED

## LOCAL / REGIONAL WATER AGENCY RECORDS

### FEDERAL WATER WELLS

#### PWS: Public Water Systems

Source: EPA/Office of Drinking Water

Telephone: 202-564-3750

Public Water System data from the Federal Reporting Data System. A PWS is any water system which provides water to at least 25 people for at least 60 days annually. PWSs provide water from wells, rivers and other sources.

#### PWS ENF: Public Water Systems Violation and Enforcement Data

Source: EPA/Office of Drinking Water

Telephone: 202-564-3750

Violation and Enforcement data for Public Water Systems from the Safe Drinking Water Information System (SDWIS) after August 1995. Prior to August 1995, the data came from the Federal Reporting Data System (FRDS).

#### USGS Water Wells: USGS National Water Inventory System (NWIS)

This database contains descriptive information on sites where the USGS collects or has collected data on surface water and/or groundwater. The groundwater data includes information on wells, springs, and other sources of groundwater.

### STATE RECORDS

#### Water Well Database

Source: Department of Water Resources

Telephone: 916-651-9648

#### California Drinking Water Quality Database

Source: Department of Public Health

Telephone: 916-324-2319

The database includes all drinking water compliance and special studies monitoring for the state of California since 1984. It consists of over 3,200,000 individual analyses along with well and water system information.

## OTHER STATE DATABASE INFORMATION

#### California Oil and Gas Well Locations

Source: Department of Conservation

Telephone: 916-323-1779

Oil and Gas well locations in the state.

### RADON

#### State Database: CA Radon

Source: Department of Health Services

Telephone: 916-324-2208

Radon Database for California

#### Area Radon Information

Source: USGS

Telephone: 703-356-4020

The National Radon Database has been developed by the U.S. Environmental Protection Agency (USEPA) and is a compilation of the EPA/State Residential Radon Survey and the National Residential Radon Survey. The study covers the years 1986 - 1992. Where necessary data has been supplemented by information collected at private sources such as universities and research institutions.

#### EPA Radon Zones

Source: EPA

Telephone: 703-356-4020

Sections 307 & 309 of IRAA directed EPA to list and identify areas of U.S. with the potential for elevated indoor radon levels.

## PHYSICAL SETTING SOURCE RECORDS SEARCHED

### OTHER

Airport Landing Facilities: Private and public use landing facilities  
Source: Federal Aviation Administration, 800-457-6656

Epicenters: World earthquake epicenters, Richter 5 or greater  
Source: Department of Commerce, National Oceanic and Atmospheric Administration

California Earthquake Fault Lines: The fault lines displayed on EDR's Topographic map are digitized quaternary fault lines, prepared in 1975 by the United State Geological Survey. Additional information (also from 1975) regarding activity at specific fault lines comes from California's Preliminary Fault Activity Map prepared by the California Division of Mines and Geology.

### STREET AND ADDRESS INFORMATION

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**APPENDIX G**  
**QUALIFICATIONS OF ENVIRONMENTAL ASSESSOR**

## Resume

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# Alan J. Klein, R.E.P.A., C.P.E.S.C., C.E.M.

Senior Environmental Scientist

**EDUCATION:** B.A. Environmental Studies, California State University, Sonoma, 1985  
Professional Certificate, Hazardous Materials Management, University of California, Santa Barbara, 1992

**QUALIFICATIONS:** Registered Environmental Property Assessor (REPA) – National Registry of Environmental Professionals (NREP).  
Certified Professional in Erosion and Sediment Control (CPESC) - EnviroCert.  
California Qualified SWPPP Developer (QSD) and SWPPP Practitioner (QSP).  
Certified Environmental Manager, Nevada  
Registered Environmental Assessor II, California (2000-2012)  
California Division of Occupational Safety and Health (DOSH), 40-Hour Health and Safety Training, and DOSH, Supervisor's Training  
DOSH, Annual Health and Safety Training Refresher Course  
American Red Cross, Standard First Aid Certificate  
American Red Cross, CPR/AED –Adult Certificate

**EXPERIENCE:** Mr. Klein has over 20 years of professional experience performing Phase I environmental site assessments (ESAs); soil and groundwater assessments; soil and groundwater remediation projects; preliminary endangerment assessments (PEAs), removal actions; risk assessments, underground storage tanks (USTs) removal projects; National Pollutant Discharge Elimination System (NPDES) permitting; and Storm Water Pollution Prevention Plans (SWPPPs). His responsibilities include specification of project scope, regulatory agency negotiation and compliance, proposal and contract preparation, field investigation, documentation, and reporting.

Mr. Klein has completed a wide range of environmental projects including the following:

- *California Public Schools* – Performed over 75 Phase I Environmental Assessments (ESAs); Preliminary Endangerment Assessments (PEAs); Removal Actions (RA) and Geological and Environmental Hazards Evaluations for new and expanding school sites as required by California Code of Regulations, Title 5; Assembly Bill 2644 and AB 972. Services include assessment for pesticides from agricultural activities; soil gas surveys; naturally occurring asbestos (NOA); lead in soil from lead based-paint (LBP) and polychlorinated biphenyls (PCBs) from electrical transformers. All work is required and performed under the oversight of the Department of Toxic Substances Control (DTSC) and the California

## Resume

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Department of Education (CDE).

- *Stanislaus County Office of Education, Removal Action, Patterson, CA (2011)* – Padre successfully completed the removal of approximately 511 cubic yards of soil impacted with pesticides from former agricultural use for a proposed school site. Padre prepared the removal action workplan (RAW), which included an excavation plan, dust control plan, stormwater management plan, and site restoration plan. The results of the removal action were documented in the removal action completion report (RACR) prepared by Padre.
- *City of Ceres, North Richland Neighborhood Park, NPDES General Permit (2010)* – Padre prepared the National Pollutant Discharge Elimination System (NPDES) General Permit for storm water discharges for the City of Ceres, North Richland Neighborhood Park and Storm Drainage Outfall Project. The Storm Water Pollution Prevention Plan (SWPPP) was written to comply with the California State Water Resources Control Board (SWRCB) Water Quality Order No. 2009-0009-DWQ, National Pollutant Discharge Elimination System (NPDES), General Permit No. CAS000002 for discharges of storm water runoff associated with construction activity. The General Permit covers the development and implementation of a SWPPP, which specifies best management practices (BMPs) that will minimize construction pollutants from contacting storm water and inhibit sediment from moving offsite into receiving waters of the State. The General Permit also covers the reduction of non-storm water discharges to storm sewer systems and other waters of the nation. Specifically, this SWPPP addresses construction activities associated with construction of a neighborhood park and storm drainage outfall project, located at the southwest intersection of River Road and Peter John Way, Ceres, Stanislaus County, California.
- *Former Caesars Tahoe Hotel and Casino, Stateline, Nevada (2003)* – Mr. Klein is the Certified Environmental Manager (CEM) for this facility, which is regulated under the Nevada Department Environmental Protection (NDEP). Padre prepared and implemented the erosion control plan associated with the Tahoe Regional Planning Agency (TRPA) underground tank removal permit, for the removal of a 10,000-gallon underground storage tank (UST) at the Project Site. The erosion control plan included construction/grading conditions and temporary BMPs. Pre-construction activities were inspected and approved by the TRPA.
- *Sportsmen Yacht Club, Dredging Operations, Antioch, CA (2005)* – Padre prepared the Monitoring and Reporting Program (MRP) No. R5-2003-0121 for the Sportsmen Yacht Club, located at 3301 Wilbur

## Resume

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Avenue, Antioch, Contra Costa County, California (Project Site). The Sportsmen Yacht Club Marina is situated west of the Antioch Bridge on the south shore of the San Joaquin River. The marina is located within the Sacramento-San Joaquin Delta, Hydrologic Unit No. 544.0. The dredging operations consisted of the use of a suction dredge that discharged dredged material to a detention basin located approximately 180 feet south of the marina. The dredger operated at an approximate pumping rate of 2,000-gallons per minute (gpm). The detention basin has a calculated holding capacity of approximately 9,780 cubic-yards or 1,980,450-gallons. The dredged material consisted of approximately 25 to 40% solids. Dredge operation monitoring consisted of the monitoring of harbor water at two locations identified as Stations R-1 and R-2. Station R-1 was located within 300 feet up-current from the dredge operation, with up-current representing a location between the dredge suction head and the entrance to the harbor. Station R-2 was located approximately 300 feet down-current of the dredge suction head, with down-current representing a location between the dredge suction head and the end of the harbor (boat ramp). The monitoring of harbor water at the locations of Station R-1 and R-2 consisted of the use of hand held meters to measure the following parameters: pH (pH units 0-14); temperature (°C); dissolved oxygen (mg/l); and turbidity (NTU).

- *Spanish Mine, Upper Spanish Mine, Nevada County, California (2002).* Assisted with an ecological risk assessment and National Pollutant Discharge Elimination System (NPDES) permit for an inactive mine site. The mine site consisted of approximately 4,000-acres of patented and unpatented mining claims. Gold was first discovered at the site in 1883 and was mined sporadically until the war shut the operations down in 1939. An open pit barite mine was operated from the 1950's until late 1988. Between 1984 and 1990, lease options were given on the property for gold exploration. Ecological risks to aquatic biota downstream of the mine site were evaluated. The assessment consisted of six stream site locations chosen to be scientifically defensible for determining injury to aquatic resources. The sampling consisted of a comprehensive evaluation of potential metals of concern in surface waters, sediments, and benthic macro invertebrates. For the submittal of the NPDES permit application, a file search with the United States Geologic Survey (U.S.G.S.), and the California Division of Mines to review information relative to known mine workings and current conditions.
- *North Valley Plaza Associates, Soil/Groundwater Assessment and Remediation, Chico, California.* Project manager for the assessment and remediation of PCE and its breakdown products discharged to the subsurface by a former dry cleaning facility in Chico, CA. The Department



## Resume

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of Toxic Substance Control identified the presence of chlorinated hydrocarbons in a nearby municipal drinking water supply well. Developed RI/FS workplan, Quality Assurance Project Plan (QAPP) and Public Participation Plan (PPP). Performed extensive subsurface investigation to define the lateral and vertical extent of chlorinated hydrocarbons in soil and groundwater. The subsurface investigation included conducting a soil vapor survey, sewer line survey, soil sampling, depth-discrete groundwater sampling; and installation of multiple groundwater monitoring wells in both shallow and deep groundwater zones. Design, installation, and operation of a soil vapor extraction system.

- *United Airlines, UST Removal and Remediation, Port of Oakland, California.* Environmental project manager providing permitting, remedial construction oversight and soil and groundwater sampling during the removal of two 10K underground storage tanks (USTs)(diesel/gasoline) and the abandonment in place of two 8.5K (aero-foam) USTs. Remediation activities included overexcavation of 750-cubic yards of petroleum impacted soil and 12,000 gallons of groundwater was pumped from the excavation pit. Waste soil and groundwater were characterized and disposed of at the proper recycling/disposal facility.
- *Natural Gas Field, Phase I & II Environmental Site Assessment, Orland, California.* Project Manager. Retained by the owners of a 6,000 acre ranch to investigate the environmental condition of their property, regarding the production of natural gas by several individual gas companies. Identified numerous environmental concerns associated with the operating practices of these companies. Environmental concerns included: unauthorized releases of waste oil and production water to the subsurface, noxious odors emitted from the operation of glycol dehydrator, user permit violations, and deserted wells. Provided oversight of investigation and remediation of contaminated soil from leaking gas compressors and wastewater holding tanks.

### PROFESSIONAL AFFILIATIONS:

Association of Environmental & Engineering Geologists  
California Storm Water Quality Association  
International Erosion Control Association  
Coalition for Adequate School Housing  
Groundwater Resources Association of California

## Resume

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# Jerome K. Summerlin, C.E.G., C.Hg., R.E.A. II

Principal

### EDUCATION:

B.S. Geology, California State University, Chico, 1987

Professional Certificate, Hazardous Materials Management, University of California, Santa Barbara, 1991

Professional Certificate, Site Assessment and Remediation, University of California, Davis, 1993

### QUALIFICATIONS:

Registered Geologist, California

Certified Engineering Geologist, California

Certified Hydrogeologist, California

Registered Geologist, Arizona

Registered Geologist, Oregon

Professional Geologist, Wyoming

Registered Environmental Assessor II, California

Certified Environmental Manager, Nevada

General Engineering A Contractors License, California

### EXPERIENCE:

Mr. Summerlin is the President of Padre Associates, Inc., and is also responsible for the firm's geoenvironmental practice (soil and groundwater assessment and remediation). Mr. Summerlin has been responsible for and participated in a variety of geotechnical, geologic, hydrogeologic, and geoenvironmental projects throughout California, Nevada, Utah, Alaska, Wyoming, Texas, Arizona, North Carolina, and Hawaii. He has managed environmental assessment and remediation projects, which have included preliminary site assessment (Phase I), site assessment (Phase II), remedial action design and planning/permitting, implementation of remedial action programs (Phase III), and verification monitoring upon completion of remedial actions (Phase IV). His training and experience includes a firm understanding of environmental laws and regulations, sample collection, analytical procedures and protocols, site safety procedures, quality assurance/quality control requirements, remedial action feasibility analyses, and design of remedial systems. Geologic studies pertaining to engineering geology include field mapping, subsurface drill hole logging and geotechnical soil sample collection, trench logging for slope stability and structural investigations, and engineering slope stability analyses. His hydrologic experience includes groundwater modeling and aquifer testing.

Mr. Summerlin has extensive field experience with a variety of subsurface exploration tools including air/mud rotary drill rigs, sonic drilling rigs, bucket-auger drill rigs, hollow-stem auger drill rigs, direct push / Geoprobe drill rigs, and cone penetrometer rigs. He also has experience with portable gas

## Resume

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chromatographs, photoionization detectors, flame ionization detectors, and soil vapor extraction testing measurement equipment.

Mr. Summerlin is currently managing environmental projects with an emphasis on petroleum-related assessment and remedial action programs. He is the Responsible Managing Employee for the firm's State of California Contractors License, General Engineering A.

Mr. Summerlin has completed the following projects:

**United States General Services Administration, Tucson and Phoenix, Arizona.** Conducted Phase I and Phase II environmental site assessment programs at potential redevelopment sites, which has historically contained numerous facilities that utilized hazardous substances. The Phase II assessment program included assessment of soil and ground water conditions, and recommendations for remedial actions.

**Chevron U.S.A., Inc., Central and Southern California.** Conducted Phase I and Phase II environmental site assessment programs at oil and gas production leases and processing facilities. Projects have included identification of soil and ground water conditions, and development of remedial action programs.

**Hyatt Hotels and Resorts, California, Nevada, and Hawaii.** Conducted underground storage tank upgrade projects throughout the western U.S. and Hawaii. Projects have included assessment and remediation of product releases, and the replacement of tanks at several resort properties.

**Chevron Environmental Management Company.** Has completed / managed the completion of more than 40 soil and groundwater assessment and remediation projects located in the Ventura Oil Field, Cat Canyon Oil Field, and Santa Maria Valley Oil Field.

### TRAINING AND CERTIFICATIONS:

Hazardous Substances Removal and Remedial Actions Certification,  
California

California Division of Occupational Safety and Health (DOSH), 40-Hour  
Health and Safety Training

DOSH, Annual Health and Safety Training Refresher Course

American Red Cross CPR and First Aid Training

### PROFESSIONAL AFFILIATIONS:

Groundwater Resources Association of California

National Ground Water Association

Appendix E  
California Department of Transportation Aeronautics Review

# 11-102.1



CALIFORNIA  
DEPARTMENT OF  
EDUCATION

**TOM TORLAKSON**  
STATE SUPERINTENDENT OF PUBLIC INSTRUCTION

May 13, 2013

Gary Wuitschick, Director of Support Services  
Santa Maria Joint Union High School District  
2560 Skyway Drive  
Santa Maria, California 93455-1507

Dear Mr. Wuitschick:

The California Department of Transportation, Division of Aeronautics, has evaluated the proposed Alternative High School site on Founder Avenue east of Morningside Drive and U.S. 101 for air traffic safety and noise pursuant to Education Code 17215. The Division of Aeronautics has determined that this site, APN 107-150-013, is outside Safety Zone 6, where schools are not restricted. The Department of Transportation does not oppose this proposed schoolsite, based on current conditions and planned development. You may wish to continue with the feasibility studies specified in Title 5, Sections 14010-14012.

I have enclosed a copy of Dan Gargas's letter and map of May 10 for your records.

If you have any questions regarding this subject, please contact me at 805-692-9913, [GShaw@cde.ca.gov](mailto:GShaw@cde.ca.gov).

Sincerely,

George M. Shaw, Field Representative  
School Facilities Planning Division

Enclosure

**RECEIVED**  
**MAY 14 2013**  
**SUPPORT SERVICES DEPT**

*GW*  
*KB*

**DEPARTMENT OF TRANSPORTATION**

DIVISION OF AERONAUTICS – M.S. #40

1120 N STREET

P. O. BOX 942873

SACRAMENTO, CA 94273-0001

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May 10, 2013

Mr. George M. Shaw, Consultant  
School Facilities Planning Division  
California Department of Education  
5380 Overpass Road, #9  
Santa Barbara, CA 93111-2080

Dear Mr. Shaw:

In response to your request of March 26, 2013, and Section 17215 of the California Education Code, the California Department of Transportation (Caltrans), Division of Aeronautics, has analyzed the proposed K-12 Santa Maria Joint Union High School District "alternative high school campus" site, which is bounded on the south by Founder Avenue, Santa Maria, CA 93455. The site is located about 10,000 feet southeast of the approach end of Runway 30 at the Santa Maria Public Airport.

Our analysis consisted of a review of the California Code of Regulations (CCR), Title 21, section 3570, Caltrans' Airport Land Use Planning Handbook (Handbook), the Santa Maria Public Airport Master Plan, instrument approach procedures, our files, and other publications relating to aircraft operations at the Santa Maria Public Airport. The Santa Barbara County Airport Land Use Commission and the airport's management were given an opportunity to comment, and their comments were considered. Enclosed is a map of the site that was reviewed.

Santa Maria Public Airport is an active general aviation/small scheduled service airport with approximately 260 based aircraft and approximately 48,000 operations. The airport's runways are 8004 feet and 5194 feet long. The longer runway is oriented on magnetic bearings of 120 degrees and 300 degrees. The shorter runway is oriented on magnetic bearings of 020 degrees and 200 degrees. Runway 12/30 is designated as a "large general aviation runway," according to the Handbook, and Runway 2/20 is designated as a "medium general aviation runway." Using the CCR and Handbook runway criteria, the proposed school site falls outside of Safety Zone 6, identified as the Traffic Pattern Zone. Handbook guidance does not restrict school sitings outside of Zone 6.

On May 9, 2013, we conducted a flight inspection of the Santa Maria Public Airport. Although our flight inspection revealed the site could experience occasional overflights by aircraft arriving at or departing from the airport, our investigation did not reveal any condition that would create an undue hazard. The traffic pattern is to the southwest of Runway 12/30, and the school site is on the opposite side of the runway.

While there is generally a low risk of an accident occurring at the proposed site, the potential consequences of any accident could be severe. Caltrans cannot guarantee the safety of this, or

Mr. George M. Shaw

May 10, 2013

Page 2

any, site. However, based upon our evaluation of existing conditions and planned development, Caltrans does not oppose the proposed school site.

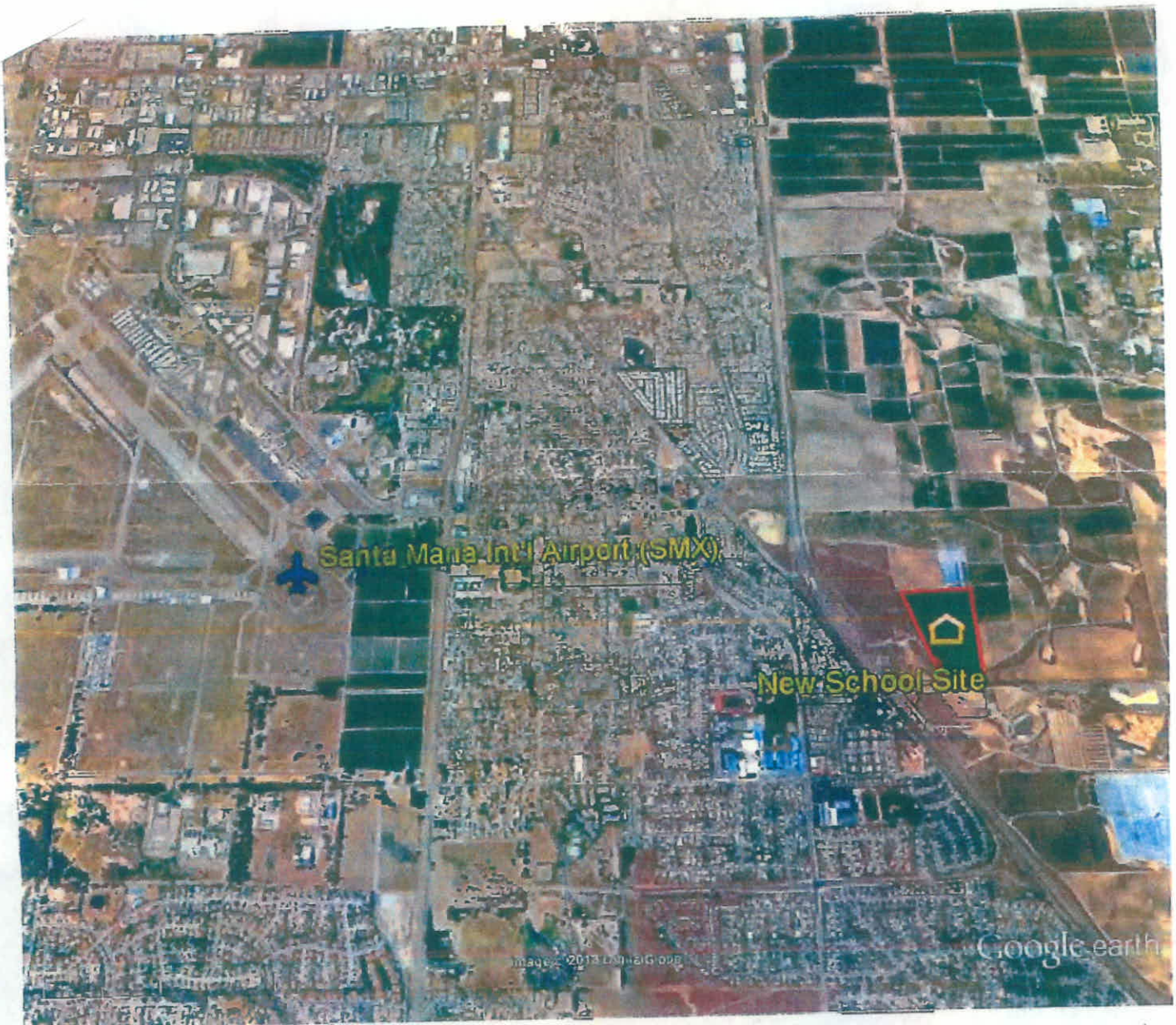
If the property is not acquired by July 10, 2018, another site evaluation by Caltrans will be required.

Sincerely,

A handwritten signature in black ink, appearing to read "Dan R. Gargas", with a long horizontal flourish extending to the right.

DANIEL R. GARGAS  
Aviation Safety Officer

Enclosure



Google earth



**Legend:** 1 inch = ~2000 ft.  
1 mile = 5,280 ft.  
 $5,280 / 2.625 (2-5/8") = 2,011 \text{ ft./inch}$

**New School Site:** APN: 107-150-013, 3850 S. Bradley Road, Santa Maria, CA 93455



Appendix F  
CalEEMod Emissions Estimator Results

**Santa Maria Tech School**  
**Santa Barbara-North of Santa Ynez County, Annual**

**1.0 Project Characteristics**

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**1.1 Land Usage**

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
High School	41.70	1000sqft	0.96	41,700.00	127
Other Asphalt Surfaces	1.00	Acre	1.00	43,560.00	0
	0.00		0.00		0

**1.2 Other Project Characteristics**

<b>Urbanization</b>	Rural	<b>Wind Speed (m/s)</b>	3.1	<b>Precipitation Freq (Days)</b>	37
<b>Climate Zone</b>	4			<b>Operational Year</b>	2018
<b>Utility Company</b>	Pacific Gas & Electric Company				
<b>CO2 Intensity (lb/MWhr)</b>	641.35	<b>CH4 Intensity (lb/MWhr)</b>	0.029	<b>N2O Intensity (lb/MWhr)</b>	0.006

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

Project Characteristics -

Land Use - 120 students plus 7 full time employees (6 teachers, 1 maintenance workers)

Trips and VMT -

Construction Phase -

Off-road Equipment -

Grading -

Demolition -

On-road Fugitive Dust -

Architectural Coating -

Vehicle Trips -

Total daily trips, student and employee is expected to be 44, however CalEEMod default settings for trip rates have been used.

Mobile Commute Mitigation - All students will be bussed from Pioneer HS.

Table Name	Column Name	Default Value	New Value
tblLandUse	Population	0.00	127.00
tblProjectCharacteristics	OperationalYear	2014	2018
tblProjectCharacteristics	UrbanizationLevel	Urban	Rural

## 2.0 Emissions Summary

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**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	0.4318	0.0000				0.0000	0.0000		0.0000	0.0000			7.6000e-004		0.0000	8.1000e-004
Energy	4.3500e-003	0.0396				3.0100e-003	3.0100e-003		3.0100e-003	3.0100e-003			115.8673		1.4700e-003	116.4097
Mobile	0.2526	0.5872			0.3629	6.6800e-003	0.3696		6.1600e-003	0.1033			365.0534		0.0000	365.3999
Waste						0.0000	0.0000		0.0000	0.0000			11.0041		0.0000	24.6610
Water						0.0000	0.0000		0.0000	0.0000			6.2947		1.1200e-003	6.6827
<b>Total</b>	<b>0.6888</b>	<b>0.6267</b>			<b>0.3629</b>	<b>9.6900e-003</b>	<b>0.3726</b>		<b>9.1700e-003</b>	<b>0.1064</b>			<b>498.2203</b>		<b>2.5900e-003</b>	<b>513.1541</b>

## 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	0.4318	0.0000				0.0000	0.0000		0.0000	0.0000			7.6000e-004		0.0000	8.1000e-004
Energy	4.3500e-003	0.0396				3.0100e-003	3.0100e-003		3.0100e-003	3.0100e-003			115.8673		1.4700e-003	116.4097
Mobile	0.2465	0.5513			0.3355	6.2300e-003	0.3417		5.7400e-003	0.0956			338.5527		0.0000	338.8767
Waste						0.0000	0.0000		0.0000	0.0000			11.0041		0.0000	24.6610
Water						0.0000	0.0000		0.0000	0.0000			6.2947		1.1200e-003	6.6820
<b>Total</b>	<b>0.6827</b>	<b>0.5909</b>			<b>0.3355</b>	<b>9.2400e-003</b>	<b>0.3447</b>		<b>8.7500e-003</b>	<b>0.0986</b>			<b>471.7196</b>		<b>2.5900e-003</b>	<b>486.6302</b>

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
<b>Percent Reduction</b>	<b>0.89</b>	<b>5.72</b>	<b>0.00</b>	<b>0.00</b>	<b>7.55</b>	<b>4.64</b>	<b>7.47</b>	<b>0.00</b>	<b>4.58</b>	<b>7.30</b>	<b>0.00</b>	<b>0.00</b>	<b>5.32</b>	<b>0.00</b>	<b>0.00</b>	<b>5.17</b>

## 3.0 Construction Detail

### Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	1/1/2016	1/28/2016	5	20	
2	Site Preparation	Site Preparation	1/29/2016	2/1/2016	5	2	
3	Grading	Grading	2/2/2016	2/5/2016	5	4	
4	Building Construction	Building Construction	2/6/2016	11/11/2016	5	200	
5	Paving	Paving	11/12/2016	11/25/2016	5	10	
6	Architectural Coating	Architectural Coating	11/26/2016	12/9/2016	5	10	

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

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

**Acres of Paving: 0**

**Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 127,890; Non-Residential Outdoor: 42,630 (Architectural Coating – sqft)**

**OffRoad Equipment**

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition	Rubber Tired Dozers	1	8.00	255	0.40
Demolition	Tractors/Loaders/Backhoes	3	8.00	97	0.37
Site Preparation	Graders	1	8.00	174	0.41
Site Preparation	Rubber Tired Dozers	1	7.00	255	0.40
Site Preparation	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Grading	Graders	1	6.00	174	0.41
Grading	Rubber Tired Dozers	1	6.00	255	0.40
Grading	Tractors/Loaders/Backhoes	1	7.00	97	0.37
Building Construction	Cranes	1	6.00	226	0.29
Building Construction	Forklifts	1	6.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	1	6.00	97	0.37
Building Construction	Welders	3	8.00	46	0.45
Paving	Cement and Mortar Mixers	1	6.00	9	0.56
Paving	Pavers	1	6.00	125	0.42
Paving	Paving Equipment	1	8.00	130	0.36
Paving	Rollers	1	7.00	80	0.38
Paving	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Architectural Coating	Air Compressors	1	6.00	78	0.48

**Trips and VMT**



Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	5	13.00	0.00	0.00	12.30	4.60	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	3	8.00	0.00	0.00	12.30	4.60	20.00	LD_Mix	HDT_Mix	HHDT
Grading	3	8.00	0.00	0.00	12.30	4.60	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	7	36.00	14.00	0.00	12.30	4.60	20.00	LD_Mix	HDT_Mix	HHDT
Paving	5	13.00	0.00	0.00	12.30	4.60	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	7.00	0.00	0.00	12.30	4.60	20.00	LD_Mix	HDT_Mix	HHDT

### 3.1 Mitigation Measures Construction

### 3.2 Demolition - 2016

#### 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	0.0291	0.2826				0.0175	0.0175		0.0163	0.0163			22.5629		0.0000	22.6827
<b>Total</b>	<b>0.0291</b>	<b>0.2826</b>				<b>0.0175</b>	<b>0.0175</b>		<b>0.0163</b>	<b>0.0163</b>			<b>22.5629</b>		<b>0.0000</b>	<b>22.6827</b>

### 3.2 Demolition - 2016

#### 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
Vendor	0.0000	0.0000			0.0000	0.0000	0.0000		0.0000	0.0000			0.0000		0.0000	0.0000
Worker	5.5000e-004	9.5000e-004			1.1900e-003	1.0000e-005	1.2000e-003		1.0000e-005	3.2000e-004			0.9766		0.0000	0.9779
<b>Total</b>	<b>5.5000e-004</b>	<b>9.5000e-004</b>			<b>1.1900e-003</b>	<b>1.0000e-005</b>	<b>1.2000e-003</b>		<b>1.0000e-005</b>	<b>3.2000e-004</b>			<b>0.9766</b>		<b>0.0000</b>	<b>0.9779</b>

#### Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0291	0.2826				0.0175	0.0175		0.0163	0.0163			22.5628		0.0000	22.6826
<b>Total</b>	<b>0.0291</b>	<b>0.2826</b>				<b>0.0175</b>	<b>0.0175</b>		<b>0.0163</b>	<b>0.0163</b>			<b>22.5628</b>		<b>0.0000</b>	<b>22.6826</b>

### 3.2 Demolition - 2016

#### 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
Vendor	0.0000	0.0000			0.0000	0.0000	0.0000		0.0000	0.0000			0.0000		0.0000	0.0000
Worker	5.5000e-004	9.5000e-004			1.1900e-003	1.0000e-005	1.2000e-003		1.0000e-005	3.2000e-004			0.9766		0.0000	0.9779
<b>Total</b>	<b>5.5000e-004</b>	<b>9.5000e-004</b>			<b>1.1900e-003</b>	<b>1.0000e-005</b>	<b>1.2000e-003</b>		<b>1.0000e-005</b>	<b>3.2000e-004</b>			<b>0.9766</b>		<b>0.0000</b>	<b>0.9779</b>

### 3.3 Site Preparation - 2016

#### 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					5.8000e-003	0.0000	5.8000e-003		0.0000	2.9500e-003			0.0000		0.0000	0.0000
Off-Road	2.4400e-003	0.0258				1.4000e-003	1.4000e-003		1.2900e-003	1.2900e-003			1.6158		0.0000	1.6260
<b>Total</b>	<b>2.4400e-003</b>	<b>0.0258</b>			<b>5.8000e-003</b>	<b>1.4000e-003</b>	<b>7.2000e-003</b>		<b>1.2900e-003</b>	<b>4.2400e-003</b>			<b>1.6158</b>		<b>0.0000</b>	<b>1.6260</b>

### 3.3 Site Preparation - 2016

#### 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
Vendor	0.0000	0.0000			0.0000	0.0000	0.0000		0.0000	0.0000			0.0000		0.0000	0.0000
Worker	3.0000e-005	6.0000e-005			7.0000e-005	0.0000	7.0000e-005		0.0000	2.0000e-005			0.0601		0.0000	0.0602
<b>Total</b>	<b>3.0000e-005</b>	<b>6.0000e-005</b>			<b>7.0000e-005</b>	<b>0.0000</b>	<b>7.0000e-005</b>		<b>0.0000</b>	<b>2.0000e-005</b>			<b>0.0601</b>		<b>0.0000</b>	<b>0.0602</b>

#### Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					5.8000e-003	0.0000	5.8000e-003		0.0000	2.9500e-003			0.0000		0.0000	0.0000
Off-Road	2.4400e-003	0.0258				1.4000e-003	1.4000e-003		1.2900e-003	1.2900e-003			1.6158		0.0000	1.6260
<b>Total</b>	<b>2.4400e-003</b>	<b>0.0258</b>			<b>5.8000e-003</b>	<b>1.4000e-003</b>	<b>7.2000e-003</b>		<b>1.2900e-003</b>	<b>4.2400e-003</b>			<b>1.6158</b>		<b>0.0000</b>	<b>1.6260</b>

### 3.3 Site Preparation - 2016

#### 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
Vendor	0.0000	0.0000			0.0000	0.0000	0.0000		0.0000	0.0000			0.0000		0.0000	0.0000
Worker	3.0000e-005	6.0000e-005			7.0000e-005	0.0000	7.0000e-005		0.0000	2.0000e-005			0.0601		0.0000	0.0602
<b>Total</b>	<b>3.0000e-005</b>	<b>6.0000e-005</b>			<b>7.0000e-005</b>	<b>0.0000</b>	<b>7.0000e-005</b>		<b>0.0000</b>	<b>2.0000e-005</b>			<b>0.0601</b>		<b>0.0000</b>	<b>0.0602</b>

### 3.4 Grading - 2016

#### 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					9.8300e-003	0.0000	9.8300e-003		0.0000	5.0500e-003			0.0000		0.0000	0.0000
Off-Road	3.9800e-003	0.0421				2.2800e-003	2.2800e-003		2.1000e-003	2.1000e-003			2.6541		0.0000	2.6710
<b>Total</b>	<b>3.9800e-003</b>	<b>0.0421</b>			<b>9.8300e-003</b>	<b>2.2800e-003</b>	<b>0.0121</b>		<b>2.1000e-003</b>	<b>7.1500e-003</b>			<b>2.6541</b>		<b>0.0000</b>	<b>2.6710</b>

### 3.4 Grading - 2016

#### 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
Vendor	0.0000	0.0000			0.0000	0.0000	0.0000		0.0000	0.0000			0.0000		0.0000	0.0000
Worker	7.0000e-005	1.2000e-004			1.5000e-004	0.0000	1.5000e-004		0.0000	4.0000e-005			0.1202		0.0000	0.1204
<b>Total</b>	<b>7.0000e-005</b>	<b>1.2000e-004</b>			<b>1.5000e-004</b>	<b>0.0000</b>	<b>1.5000e-004</b>		<b>0.0000</b>	<b>4.0000e-005</b>			<b>0.1202</b>		<b>0.0000</b>	<b>0.1204</b>

#### Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					9.8300e-003	0.0000	9.8300e-003		0.0000	5.0500e-003			0.0000		0.0000	0.0000
Off-Road	3.9800e-003	0.0421				2.2800e-003	2.2800e-003		2.1000e-003	2.1000e-003			2.6541		0.0000	2.6710
<b>Total</b>	<b>3.9800e-003</b>	<b>0.0421</b>			<b>9.8300e-003</b>	<b>2.2800e-003</b>	<b>0.0121</b>		<b>2.1000e-003</b>	<b>7.1500e-003</b>			<b>2.6541</b>		<b>0.0000</b>	<b>2.6710</b>

### 3.4 Grading - 2016

#### 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
Vendor	0.0000	0.0000			0.0000	0.0000	0.0000		0.0000	0.0000			0.0000		0.0000	0.0000
Worker	7.0000e-005	1.2000e-004			1.5000e-004	0.0000	1.5000e-004		0.0000	4.0000e-005			0.1202		0.0000	0.1204
<b>Total</b>	<b>7.0000e-005</b>	<b>1.2000e-004</b>			<b>1.5000e-004</b>	<b>0.0000</b>	<b>1.5000e-004</b>		<b>0.0000</b>	<b>4.0000e-005</b>			<b>0.1202</b>		<b>0.0000</b>	<b>0.1204</b>

### 3.5 Building Construction - 2016

#### 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	0.3292	2.0546				0.1366	0.1366		0.1318	0.1318			185.6956		0.0000	186.5527
<b>Total</b>	<b>0.3292</b>	<b>2.0546</b>				<b>0.1366</b>	<b>0.1366</b>		<b>0.1318</b>	<b>0.1318</b>			<b>185.6956</b>		<b>0.0000</b>	<b>186.5527</b>

**3.5 Building Construction - 2016****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
Vendor	0.0162	0.1060			5.7100e-003	1.4100e-003	7.1200e-003		1.2900e-003	2.9200e-003			19.4820		0.0000	19.4854
Worker	0.0153	0.0262			0.0329	2.6000e-004	0.0332		2.3000e-004	8.9800e-003			27.0433		0.0000	27.0789
<b>Total</b>	<b>0.0314</b>	<b>0.1323</b>			<b>0.0386</b>	<b>1.6700e-003</b>	<b>0.0403</b>		<b>1.5200e-003</b>	<b>0.0119</b>			<b>46.5253</b>		<b>0.0000</b>	<b>46.5644</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.3292	2.0546				0.1366	0.1366		0.1318	0.1318			185.6954		0.0000	186.5525
<b>Total</b>	<b>0.3292</b>	<b>2.0546</b>				<b>0.1366</b>	<b>0.1366</b>		<b>0.1318</b>	<b>0.1318</b>			<b>185.6954</b>		<b>0.0000</b>	<b>186.5525</b>



### 3.5 Building Construction - 2016

#### 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
Vendor	0.0162	0.1060			5.7100e-003	1.4100e-003	7.1200e-003		1.2900e-003	2.9200e-003			19.4820		0.0000	19.4854
Worker	0.0153	0.0262			0.0329	2.6000e-004	0.0332		2.3000e-004	8.9800e-003			27.0433		0.0000	27.0789
<b>Total</b>	<b>0.0314</b>	<b>0.1323</b>			<b>0.0386</b>	<b>1.6700e-003</b>	<b>0.0403</b>		<b>1.5200e-003</b>	<b>0.0119</b>			<b>46.5253</b>		<b>0.0000</b>	<b>46.5644</b>

### 3.6 Paving - 2016

#### Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	6.4400e-003	0.0660				4.0400e-003	4.0400e-003		3.7200e-003	3.7200e-003			6.2071		0.0000	6.2457
Paving	1.3100e-003					0.0000	0.0000		0.0000	0.0000			0.0000		0.0000	0.0000
<b>Total</b>	<b>7.7500e-003</b>	<b>0.0660</b>				<b>4.0400e-003</b>	<b>4.0400e-003</b>		<b>3.7200e-003</b>	<b>3.7200e-003</b>			<b>6.2071</b>		<b>0.0000</b>	<b>6.2457</b>

**3.6 Paving - 2016****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
Vendor	0.0000	0.0000			0.0000	0.0000	0.0000		0.0000	0.0000			0.0000		0.0000	0.0000
Worker	2.8000e-004	4.7000e-004			5.9000e-004	0.0000	6.0000e-004		0.0000	1.6000e-004			0.4883		0.0000	0.4889
<b>Total</b>	<b>2.8000e-004</b>	<b>4.7000e-004</b>			<b>5.9000e-004</b>	<b>0.0000</b>	<b>6.0000e-004</b>		<b>0.0000</b>	<b>1.6000e-004</b>			<b>0.4883</b>		<b>0.0000</b>	<b>0.4889</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	6.4400e-003	0.0660				4.0400e-003	4.0400e-003		3.7200e-003	3.7200e-003			6.2071		0.0000	6.2457
Paving	1.3100e-003					0.0000	0.0000		0.0000	0.0000			0.0000		0.0000	0.0000
<b>Total</b>	<b>7.7500e-003</b>	<b>0.0660</b>				<b>4.0400e-003</b>	<b>4.0400e-003</b>		<b>3.7200e-003</b>	<b>3.7200e-003</b>			<b>6.2071</b>		<b>0.0000</b>	<b>6.2457</b>

### 3.6 Paving - 2016

#### 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
Vendor	0.0000	0.0000			0.0000	0.0000	0.0000		0.0000	0.0000			0.0000		0.0000	0.0000
Worker	2.8000e-004	4.7000e-004			5.9000e-004	0.0000	6.0000e-004		0.0000	1.6000e-004			0.4883		0.0000	0.4889
<b>Total</b>	<b>2.8000e-004</b>	<b>4.7000e-004</b>			<b>5.9000e-004</b>	<b>0.0000</b>	<b>6.0000e-004</b>		<b>0.0000</b>	<b>1.6000e-004</b>			<b>0.4883</b>		<b>0.0000</b>	<b>0.4889</b>

### 3.7 Architectural Coating - 2016

#### 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	0.9880					0.0000	0.0000		0.0000	0.0000			0.0000		0.0000	0.0000
Off-Road	1.8400e-003	0.0119				9.8000e-004	9.8000e-004		9.8000e-004	9.8000e-004			1.2766		0.0000	1.2798
<b>Total</b>	<b>0.9898</b>	<b>0.0119</b>				<b>9.8000e-004</b>	<b>9.8000e-004</b>		<b>9.8000e-004</b>	<b>9.8000e-004</b>			<b>1.2766</b>		<b>0.0000</b>	<b>1.2798</b>

### 3.7 Architectural Coating - 2016

#### 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
Vendor	0.0000	0.0000			0.0000	0.0000	0.0000		0.0000	0.0000			0.0000		0.0000	0.0000
Worker	1.5000e-004	2.5000e-004			3.2000e-004	0.0000	3.2000e-004		0.0000	9.0000e-005			0.2629		0.0000	0.2633
<b>Total</b>	<b>1.5000e-004</b>	<b>2.5000e-004</b>			<b>3.2000e-004</b>	<b>0.0000</b>	<b>3.2000e-004</b>		<b>0.0000</b>	<b>9.0000e-005</b>			<b>0.2629</b>		<b>0.0000</b>	<b>0.2633</b>

#### Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.9880					0.0000	0.0000		0.0000	0.0000			0.0000		0.0000	0.0000
Off-Road	1.8400e-003	0.0119				9.8000e-004	9.8000e-004		9.8000e-004	9.8000e-004			1.2766		0.0000	1.2798
<b>Total</b>	<b>0.9898</b>	<b>0.0119</b>				<b>9.8000e-004</b>	<b>9.8000e-004</b>		<b>9.8000e-004</b>	<b>9.8000e-004</b>			<b>1.2766</b>		<b>0.0000</b>	<b>1.2798</b>

### 3.7 Architectural Coating - 2016

#### 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
Vendor	0.0000	0.0000			0.0000	0.0000	0.0000		0.0000	0.0000			0.0000		0.0000	0.0000
Worker	1.5000e-004	2.5000e-004			3.2000e-004	0.0000	3.2000e-004		0.0000	9.0000e-005			0.2629		0.0000	0.2633
<b>Total</b>	<b>1.5000e-004</b>	<b>2.5000e-004</b>			<b>3.2000e-004</b>	<b>0.0000</b>	<b>3.2000e-004</b>		<b>0.0000</b>	<b>9.0000e-005</b>			<b>0.2629</b>		<b>0.0000</b>	<b>0.2633</b>

### 4.0 Operational Detail - Mobile

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#### 4.1 Mitigation Measures Mobile

Implement School Bus Program

	ROG	NOx	CO	SO2	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	0.2465	0.5513			0.3355	6.2300e-003	0.3417		5.7400e-003	0.0956			338.5527		0.0000	338.8767
Unmitigated	0.2526	0.5872			0.3629	6.6800e-003	0.3696		6.1600e-003	0.1033			365.0534		0.0000	365.3999

### 4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
High School	537.51	182.23	74.64	961,598	889,022
Other Asphalt Surfaces	0.00	0.00	0.00		
<b>Total</b>	<b>537.51</b>	<b>182.23</b>	<b>74.64</b>	<b>961,598</b>	<b>889,022</b>

### 4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
High School	8.80	4.60	4.60	77.80	17.20	5.00	75	19	6
Other Asphalt Surfaces	8.80	4.60	4.60	0.00	0.00	0.00	0	0	0

LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
0.488429	0.036082	0.211732	0.154985	0.049882	0.007459	0.020077	0.014399	0.001917	0.002182	0.008131	0.001589	0.003135

### 5.0 Energy Detail

#### 4.4 Fleet Mix

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			72.7861		6.8000e-004	73.0663
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000			72.7861		6.8000e-004	73.0663
NaturalGas Mitigated	4.3500e-003	0.0396				3.0100e-003	3.0100e-003		3.0100e-003	3.0100e-003			43.0812		7.9000e-004	43.3434
NaturalGas Unmitigated	4.3500e-003	0.0396				3.0100e-003	3.0100e-003		3.0100e-003	3.0100e-003			43.0812		7.9000e-004	43.3434

### 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					
Other Asphalt Surfaces	0	0.0000	0.0000				0.0000	0.0000		0.0000	0.0000			0.0000		0.0000	0.0000
High School	807312	4.3500e-003	0.0396				3.0100e-003	3.0100e-003		3.0100e-003	3.0100e-003			43.0812		7.9000e-004	43.3434
<b>Total</b>		<b>4.3500e-003</b>	<b>0.0396</b>				<b>3.0100e-003</b>	<b>3.0100e-003</b>		<b>3.0100e-003</b>	<b>3.0100e-003</b>			<b>43.0812</b>		<b>7.9000e-004</b>	<b>43.3434</b>

### 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					
Other Asphalt Surfaces	0	0.0000	0.0000				0.0000	0.0000		0.0000	0.0000			0.0000		0.0000	0.0000
High School	807312	4.3500e-003	0.0396				3.0100e-003	3.0100e-003		3.0100e-003	3.0100e-003			43.0812		7.9000e-004	43.3434
<b>Total</b>		<b>4.3500e-003</b>	<b>0.0396</b>				<b>3.0100e-003</b>	<b>3.0100e-003</b>		<b>3.0100e-003</b>	<b>3.0100e-003</b>			<b>43.0812</b>		<b>7.9000e-004</b>	<b>43.3434</b>

### 5.3 Energy by Land Use - Electricity

#### Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
High School	250200	72.7861		6.8000e-004	73.0663
Other Asphalt Surfaces	0	0.0000		0.0000	0.0000
<b>Total</b>		<b>72.7861</b>		<b>6.8000e-004</b>	<b>73.0663</b>



### 5.3 Energy by Land Use - Electricity

#### Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
High School	250200	72.7861		6.8000e-004	73.0663
Other Asphalt Surfaces	0	0.0000		0.0000	0.0000
<b>Total</b>		<b>72.7861</b>		<b>6.8000e-004</b>	<b>73.0663</b>

### 6.0 Area Detail

#### 6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	0.4318	0.0000				0.0000	0.0000		0.0000	0.0000			7.6000e-004		0.0000	8.1000e-004
Unmitigated	0.4318	0.0000				0.0000	0.0000		0.0000	0.0000			7.6000e-004		0.0000	8.1000e-004

## 6.2 Area by SubCategory

### Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.0988					0.0000	0.0000		0.0000	0.0000			0.0000		0.0000	0.0000
Consumer Products	0.3330					0.0000	0.0000		0.0000	0.0000			0.0000		0.0000	0.0000
Landscaping	4.0000e-005	0.0000				0.0000	0.0000		0.0000	0.0000			7.6000e-004		0.0000	8.1000e-004
<b>Total</b>	<b>0.4318</b>	<b>0.0000</b>				<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>			<b>7.6000e-004</b>		<b>0.0000</b>	<b>8.1000e-004</b>

### Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.0988					0.0000	0.0000		0.0000	0.0000			0.0000		0.0000	0.0000
Consumer Products	0.3330					0.0000	0.0000		0.0000	0.0000			0.0000		0.0000	0.0000
Landscaping	4.0000e-005	0.0000				0.0000	0.0000		0.0000	0.0000			7.6000e-004		0.0000	8.1000e-004
<b>Total</b>	<b>0.4318</b>	<b>0.0000</b>				<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>			<b>7.6000e-004</b>		<b>0.0000</b>	<b>8.1000e-004</b>

## 7.0 Water Detail

### 7.1 Mitigation Measures Water

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	6.2947		1.1200e-003	6.6820
Unmitigated	6.2947		1.1200e-003	6.6827

### 7.2 Water by Land Use

#### Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
High School	1.38463 / 3.56049	6.2947		1.1200e-003	6.6827
Other Asphalt Surfaces	0 / 0	0.0000		0.0000	0.0000
<b>Total</b>		<b>6.2947</b>		<b>1.1200e-003</b>	<b>6.6827</b>

## 7.2 Water by Land Use

### Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
High School	1.38463 / 3.56049	6.2947		1.1200e-003	6.6820
Other Asphalt Surfaces	0 / 0	0.0000		0.0000	0.0000
<b>Total</b>		<b>6.2947</b>		<b>1.1200e-003</b>	<b>6.6820</b>

## 8.0 Waste Detail

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### 8.1 Mitigation Measures Waste

#### Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	11.0041		0.0000	24.6610
Unmitigated	11.0041		0.0000	24.6610

## 8.2 Waste by Land Use

### Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
High School	54.21	11.0041		0.0000	24.6610
Other Asphalt Surfaces	0	0.0000		0.0000	0.0000
<b>Total</b>		<b>11.0041</b>		<b>0.0000</b>	<b>24.6610</b>

### Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
High School	54.21	11.0041		0.0000	24.6610
Other Asphalt Surfaces	0	0.0000		0.0000	0.0000
<b>Total</b>		<b>11.0041</b>		<b>0.0000</b>	<b>24.6610</b>

## 9.0 Operational Offroad

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

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**Santa Maria Tech School**  
**Santa Barbara-North of Santa Ynez County, Winter**

**1.0 Project Characteristics**

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**1.1 Land Usage**

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
High School	41.70	1000sqft	0.96	41,700.00	127
Other Asphalt Surfaces	1.00	Acre	1.00	43,560.00	0
	0.00		0.00		0

**1.2 Other Project Characteristics**

<b>Urbanization</b>	Rural	<b>Wind Speed (m/s)</b>	3.1	<b>Precipitation Freq (Days)</b>	37
<b>Climate Zone</b>	4			<b>Operational Year</b>	2018
<b>Utility Company</b>	Pacific Gas & Electric Company				
<b>CO2 Intensity (lb/MWhr)</b>	641.35	<b>CH4 Intensity (lb/MWhr)</b>	0.029	<b>N2O Intensity (lb/MWhr)</b>	0.006

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

Project Characteristics -

Land Use - 120 students plus 7 full time employees (6 teachers, 1 maintenance workers)

Trips and VMT -

Construction Phase -

Off-road Equipment -

Grading -

Demolition -

On-road Fugitive Dust -

Architectural Coating -

Vehicle Trips -

Total daily trips, student and employee is expected to be 44, however CalEEMod default settings for trip rates have been used.

Mobile Commute Mitigation - All students will be bussed from Pioneer HS.

Table Name	Column Name	Default Value	New Value
tblLandUse	Population	0.00	127.00
tblProjectCharacteristics	OperationalYear	2014	2018
tblProjectCharacteristics	UrbanizationLevel	Urban	Rural

## 2.0 Emissions Summary

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## 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	2.3663	4.0000e-005				2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005			9.3500e-003			9.8800e-003
Energy	0.0239	0.2168				0.0165	0.0165		0.0165	0.0165			260.2134		4.7700e-003	261.7970
Mobile	1.8848	4.1330			2.6044	0.0472	2.6516		0.0435	0.7396			2,823.8062			2,826.4920
<b>Total</b>	<b>4.2750</b>	<b>4.3499</b>			<b>2.6044</b>	<b>0.0637</b>	<b>2.6681</b>		<b>0.0600</b>	<b>0.7561</b>			<b>3,084.0290</b>		<b>4.7700e-003</b>	<b>3,088.2989</b>

### Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	2.3663	4.0000e-005				2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005			9.3500e-003			9.8800e-003
Energy	0.0239	0.2168				0.0165	0.0165		0.0165	0.0165			260.2134		4.7700e-003	261.7970
Mobile	1.8416	3.8814			2.4078	0.0440	2.4518		0.0405	0.6842			2,618.6695			2,621.1818
<b>Total</b>	<b>4.2317</b>	<b>4.0983</b>			<b>2.4078</b>	<b>0.0605</b>	<b>2.4683</b>		<b>0.0570</b>	<b>0.7007</b>			<b>2,878.8922</b>		<b>4.7700e-003</b>	<b>2,882.9887</b>

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	1.01	5.78	0.00	0.00	7.55	5.01	7.49	0.00	4.90	7.34	0.00	0.00	6.65	0.00	0.00	6.65

### 3.0 Construction Detail

#### Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	1/1/2016	1/28/2016	5	20	
2	Site Preparation	Site Preparation	1/29/2016	2/1/2016	5	2	
3	Grading	Grading	2/2/2016	2/5/2016	5	4	
4	Building Construction	Building Construction	2/6/2016	11/11/2016	5	200	
5	Paving	Paving	11/12/2016	11/25/2016	5	10	
6	Architectural Coating	Architectural Coating	11/26/2016	12/9/2016	5	10	

Acres of Grading (Site Preparation Phase): 1

Acres of Grading (Grading Phase): 1.5

Acres of Paving: 0

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 127,890; Non-Residential Outdoor: 42,630 (Architectural Coating – sqft)

#### OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition	Rubber Tired Dozers	1	8.00	255	0.40
Demolition	Tractors/Loaders/Backhoes	3	8.00	97	0.37
Site Preparation	Graders	1	8.00	174	0.41
Site Preparation	Rubber Tired Dozers	1	7.00	255	0.40
Site Preparation	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Grading	Graders	1	6.00	174	0.41
Grading	Rubber Tired Dozers	1	6.00	255	0.40
Grading	Tractors/Loaders/Backhoes	1	7.00	97	0.37
Building Construction	Cranes	1	6.00	226	0.29
Building Construction	Forklifts	1	6.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	1	6.00	97	0.37
Building Construction	Welders	3	8.00	46	0.45
Paving	Cement and Mortar Mixers	1	6.00	9	0.56
Paving	Pavers	1	6.00	125	0.42
Paving	Paving Equipment	1	8.00	130	0.36
Paving	Rollers	1	7.00	80	0.38
Paving	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Architectural Coating	Air Compressors	1	6.00	78	0.48

**Trips and VMT**

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	5	13.00	0.00	0.00	12.30	4.60	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	3	8.00	0.00	0.00	12.30	4.60	20.00	LD_Mix	HDT_Mix	HHDT
Grading	3	8.00	0.00	0.00	12.30	4.60	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	7	36.00	14.00	0.00	12.30	4.60	20.00	LD_Mix	HDT_Mix	HHDT
Paving	5	13.00	0.00	0.00	12.30	4.60	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	7.00	0.00	0.00	12.30	4.60	20.00	LD_Mix	HDT_Mix	HHDT

### 3.1 Mitigation Measures Construction

### 3.2 Demolition - 2016

#### 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	2.9066	28.2579				1.7445	1.7445		1.6328	1.6328			2,487.1296			2,500.3343
<b>Total</b>	<b>2.9066</b>	<b>28.2579</b>				<b>1.7445</b>	<b>1.7445</b>		<b>1.6328</b>	<b>1.6328</b>			<b>2,487.1296</b>			<b>2,500.3343</b>

### 3.2 Demolition - 2016

#### 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
Vendor	0.0000	0.0000			0.0000	0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Worker	0.0588	0.0963			0.1216	9.2000e-004	0.1225		8.4000e-004	0.0331			107.5002			107.6418
<b>Total</b>	<b>0.0588</b>	<b>0.0963</b>			<b>0.1216</b>	<b>9.2000e-004</b>	<b>0.1225</b>		<b>8.4000e-004</b>	<b>0.0331</b>			<b>107.5002</b>			<b>107.6418</b>

#### Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.9066	28.2579				1.7445	1.7445		1.6328	1.6328			2,487.1296			2,500.3343
<b>Total</b>	<b>2.9066</b>	<b>28.2579</b>				<b>1.7445</b>	<b>1.7445</b>		<b>1.6328</b>	<b>1.6328</b>			<b>2,487.1296</b>			<b>2,500.3343</b>

### 3.2 Demolition - 2016

#### 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
Vendor	0.0000	0.0000			0.0000	0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Worker	0.0588	0.0963			0.1216	9.2000e-004	0.1225		8.4000e-004	0.0331			107.5002			107.6418
<b>Total</b>	<b>0.0588</b>	<b>0.0963</b>			<b>0.1216</b>	<b>9.2000e-004</b>	<b>0.1225</b>		<b>8.4000e-004</b>	<b>0.0331</b>			<b>107.5002</b>			<b>107.6418</b>

### 3.3 Site Preparation - 2016

#### Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					5.7996	0.0000	5.7996		0.0000	2.9537			0.0000			0.0000
Off-Road	2.4428	25.7718				1.3985	1.3985		1.2866	1.2866			1,781.0872			1,792.3693
<b>Total</b>	<b>2.4428</b>	<b>25.7718</b>			<b>5.7996</b>	<b>1.3985</b>	<b>7.1981</b>		<b>1.2866</b>	<b>4.2403</b>			<b>1,781.0872</b>			<b>1,792.3693</b>

### 3.3 Site Preparation - 2016

#### 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
Vendor	0.0000	0.0000			0.0000	0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Worker	0.0362	0.0593			0.0748	5.7000e-004	0.0754		5.2000e-004	0.0204			66.1540			66.2411
<b>Total</b>	<b>0.0362</b>	<b>0.0593</b>			<b>0.0748</b>	<b>5.7000e-004</b>	<b>0.0754</b>		<b>5.2000e-004</b>	<b>0.0204</b>			<b>66.1540</b>			<b>66.2411</b>

#### Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					5.7996	0.0000	5.7996		0.0000	2.9537			0.0000			0.0000
Off-Road	2.4428	25.7718				1.3985	1.3985		1.2866	1.2866			1,781.087 2			1,792.369 3
<b>Total</b>	<b>2.4428</b>	<b>25.7718</b>			<b>5.7996</b>	<b>1.3985</b>	<b>7.1981</b>		<b>1.2866</b>	<b>4.2403</b>			<b>1,781.087 2</b>			<b>1,792.369 3</b>



### 3.3 Site Preparation - 2016

#### 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
Vendor	0.0000	0.0000			0.0000	0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Worker	0.0362	0.0593			0.0748	5.7000e-004	0.0754		5.2000e-004	0.0204			66.1540			66.2411
<b>Total</b>	<b>0.0362</b>	<b>0.0593</b>			<b>0.0748</b>	<b>5.7000e-004</b>	<b>0.0754</b>		<b>5.2000e-004</b>	<b>0.0204</b>			<b>66.1540</b>			<b>66.2411</b>

### 3.4 Grading - 2016

#### Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					4.9143	0.0000	4.9143		0.0000	2.5256			0.0000			0.0000
Off-Road	1.9908	21.0361				1.1407	1.1407		1.0494	1.0494			1,462.8468			1,472.1130
<b>Total</b>	<b>1.9908</b>	<b>21.0361</b>			<b>4.9143</b>	<b>1.1407</b>	<b>6.0549</b>		<b>1.0494</b>	<b>3.5750</b>			<b>1,462.8468</b>			<b>1,472.1130</b>

### 3.4 Grading - 2016

#### 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
Vendor	0.0000	0.0000			0.0000	0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Worker	0.0362	0.0593			0.0748	5.7000e-004	0.0754		5.2000e-004	0.0204			66.1540			66.2411
<b>Total</b>	<b>0.0362</b>	<b>0.0593</b>			<b>0.0748</b>	<b>5.7000e-004</b>	<b>0.0754</b>		<b>5.2000e-004</b>	<b>0.0204</b>			<b>66.1540</b>			<b>66.2411</b>

#### Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					4.9143	0.0000	4.9143		0.0000	2.5256			0.0000			0.0000
Off-Road	1.9908	21.0361				1.1407	1.1407		1.0494	1.0494			1,462.8468			1,472.1130
<b>Total</b>	<b>1.9908</b>	<b>21.0361</b>			<b>4.9143</b>	<b>1.1407</b>	<b>6.0549</b>		<b>1.0494</b>	<b>3.5750</b>			<b>1,462.8468</b>			<b>1,472.1130</b>

### 3.4 Grading - 2016

#### 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
Vendor	0.0000	0.0000			0.0000	0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Worker	0.0362	0.0593			0.0748	5.7000e-004	0.0754		5.2000e-004	0.0204			66.1540			66.2411
<b>Total</b>	<b>0.0362</b>	<b>0.0593</b>			<b>0.0748</b>	<b>5.7000e-004</b>	<b>0.0754</b>		<b>5.2000e-004</b>	<b>0.0204</b>			<b>66.1540</b>			<b>66.2411</b>

### 3.5 Building Construction - 2016

#### 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	3.2915	20.5459				1.3656	1.3656		1.3176	1.3176			2,046.9432			2,056.3913
<b>Total</b>	<b>3.2915</b>	<b>20.5459</b>				<b>1.3656</b>	<b>1.3656</b>		<b>1.3176</b>	<b>1.3176</b>			<b>2,046.9432</b>			<b>2,056.3913</b>

### 3.5 Building Construction - 2016

#### 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
Vendor	0.1770	1.0456			0.0582	0.0143	0.0725		0.0131	0.0297			213.2713			213.3105
Worker	0.1628	0.2667			0.3368	2.5500e-003	0.3393		2.3200e-003	0.0916			297.6928			298.0851
<b>Total</b>	<b>0.3397</b>	<b>1.3123</b>			<b>0.3950</b>	<b>0.0168</b>	<b>0.4118</b>		<b>0.0154</b>	<b>0.1213</b>			<b>510.9641</b>			<b>511.3956</b>

#### Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	3.2915	20.5459				1.3656	1.3656		1.3176	1.3176			2,046.9432			2,056.3913
<b>Total</b>	<b>3.2915</b>	<b>20.5459</b>				<b>1.3656</b>	<b>1.3656</b>		<b>1.3176</b>	<b>1.3176</b>			<b>2,046.9432</b>			<b>2,056.3913</b>

### 3.5 Building Construction - 2016

#### 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
Vendor	0.1770	1.0456			0.0582	0.0143	0.0725		0.0131	0.0297			213.2713			213.3105
Worker	0.1628	0.2667			0.3368	2.5500e-003	0.3393		2.3200e-003	0.0916			297.6928			298.0851
<b>Total</b>	<b>0.3397</b>	<b>1.3123</b>			<b>0.3950</b>	<b>0.0168</b>	<b>0.4118</b>		<b>0.0154</b>	<b>0.1213</b>			<b>510.9641</b>			<b>511.3956</b>

### 3.6 Paving - 2016

#### 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	1.2872	13.2076				0.8075	0.8075		0.7438	0.7438			1,368.4366			1,376.9473
Paving	0.2620					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
<b>Total</b>	<b>1.5492</b>	<b>13.2076</b>				<b>0.8075</b>	<b>0.8075</b>		<b>0.7438</b>	<b>0.7438</b>			<b>1,368.4366</b>			<b>1,376.9473</b>

### 3.6 Paving - 2016

#### 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
Vendor	0.0000	0.0000			0.0000	0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Worker	0.0588	0.0963			0.1216	9.2000e-004	0.1225		8.4000e-004	0.0331			107.5002			107.6418
<b>Total</b>	<b>0.0588</b>	<b>0.0963</b>			<b>0.1216</b>	<b>9.2000e-004</b>	<b>0.1225</b>		<b>8.4000e-004</b>	<b>0.0331</b>			<b>107.5002</b>			<b>107.6418</b>

#### Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.2872	13.2076				0.8075	0.8075		0.7438	0.7438			1,368.4366			1,376.9473
Paving	0.2620					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
<b>Total</b>	<b>1.5492</b>	<b>13.2076</b>				<b>0.8075</b>	<b>0.8075</b>		<b>0.7438</b>	<b>0.7438</b>			<b>1,368.4366</b>			<b>1,376.9473</b>

### 3.6 Paving - 2016

#### 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
Vendor	0.0000	0.0000			0.0000	0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Worker	0.0588	0.0963			0.1216	9.2000e-004	0.1225		8.4000e-004	0.0331			107.5002			107.6418
<b>Total</b>	<b>0.0588</b>	<b>0.0963</b>			<b>0.1216</b>	<b>9.2000e-004</b>	<b>0.1225</b>		<b>8.4000e-004</b>	<b>0.0331</b>			<b>107.5002</b>			<b>107.6418</b>

### 3.7 Architectural Coating - 2016

#### 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	197.5901					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.3685	2.3722				0.1966	0.1966		0.1966	0.1966			281.4481			282.1449
<b>Total</b>	<b>197.9585</b>	<b>2.3722</b>				<b>0.1966</b>	<b>0.1966</b>		<b>0.1966</b>	<b>0.1966</b>			<b>281.4481</b>			<b>282.1449</b>

### 3.7 Architectural Coating - 2016

#### 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
Vendor	0.0000	0.0000			0.0000	0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Worker	0.0317	0.0519			0.0655	5.0000e-004	0.0660		4.5000e-004	0.0178			57.8847			57.9610
<b>Total</b>	<b>0.0317</b>	<b>0.0519</b>			<b>0.0655</b>	<b>5.0000e-004</b>	<b>0.0660</b>		<b>4.5000e-004</b>	<b>0.0178</b>			<b>57.8847</b>			<b>57.9610</b>

#### Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	197.5901					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.3685	2.3722				0.1966	0.1966		0.1966	0.1966			281.4481			282.1449
<b>Total</b>	<b>197.9585</b>	<b>2.3722</b>				<b>0.1966</b>	<b>0.1966</b>		<b>0.1966</b>	<b>0.1966</b>			<b>281.4481</b>			<b>282.1449</b>



### 3.7 Architectural Coating - 2016

#### 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
Vendor	0.0000	0.0000			0.0000	0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Worker	0.0317	0.0519			0.0655	5.0000e-004	0.0660		4.5000e-004	0.0178			57.8847			57.9610
<b>Total</b>	<b>0.0317</b>	<b>0.0519</b>			<b>0.0655</b>	<b>5.0000e-004</b>	<b>0.0660</b>		<b>4.5000e-004</b>	<b>0.0178</b>			<b>57.8847</b>			<b>57.9610</b>

### 4.0 Operational Detail - Mobile

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#### 4.1 Mitigation Measures Mobile

Implement School Bus Program

	ROG	NOx	CO	SO2	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	1.8416	3.8814			2.4078	0.0440	2.4518		0.0405	0.6842			2,618,669 5			2,621,181 8
Unmitigated	1.8848	4.1330			2.6044	0.0472	2.6516		0.0435	0.7396			2,823,806 2			2,826,492 0

### 4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
High School	537.51	182.23	74.64	961,598	889,022
Other Asphalt Surfaces	0.00	0.00	0.00		
<b>Total</b>	<b>537.51</b>	<b>182.23</b>	<b>74.64</b>	<b>961,598</b>	<b>889,022</b>

### 4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
High School	8.80	4.60	4.60	77.80	17.20	5.00	75	19	6
Other Asphalt Surfaces	8.80	4.60	4.60	0.00	0.00	0.00	0	0	0

LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
0.488429	0.036082	0.211732	0.154985	0.049882	0.007459	0.020077	0.014399	0.001917	0.002182	0.008131	0.001589	0.003135

### 5.0 Energy Detail

#### 4.4 Fleet Mix

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	0.0239	0.2168				0.0165	0.0165		0.0165	0.0165			260.2134		4.7700e-003	261.7970
NaturalGas Unmitigated	0.0239	0.2168				0.0165	0.0165		0.0165	0.0165			260.2134		4.7700e-003	261.7970

### 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					
Other Asphalt Surfaces	0	0.0000	0.0000				0.0000	0.0000		0.0000	0.0000			0.0000		0.0000	0.0000
High School	2211.81	0.0239	0.2168				0.0165	0.0165		0.0165	0.0165			260.2134		4.7700e-003	261.7970
<b>Total</b>		<b>0.0239</b>	<b>0.2168</b>				<b>0.0165</b>	<b>0.0165</b>		<b>0.0165</b>	<b>0.0165</b>			<b>260.2134</b>		<b>4.7700e-003</b>	<b>261.7970</b>

### 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					
Other Asphalt Surfaces	0	0.0000	0.0000				0.0000	0.0000		0.0000	0.0000			0.0000		0.0000	0.0000
High School	2.21181	0.0239	0.2168				0.0165	0.0165		0.0165	0.0165			260.2134		4.7700e-003	261.7970
<b>Total</b>		<b>0.0239</b>	<b>0.2168</b>				<b>0.0165</b>	<b>0.0165</b>		<b>0.0165</b>	<b>0.0165</b>			<b>260.2134</b>		<b>4.7700e-003</b>	<b>261.7970</b>

### 6.0 Area Detail

#### 6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	2.3663	4.0000e-005				2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005			9.3500e-003			9.8800e-003
Unmitigated	2.3663	4.0000e-005				2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005			9.3500e-003			9.8800e-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	lb/day										lb/day					
Architectural Coating	0.5413					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	1.8246					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	4.2000e-004	4.0000e-005				2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005			9.3500e-003			9.8800e-003
<b>Total</b>	<b>2.3663</b>	<b>4.0000e-005</b>				<b>2.0000e-005</b>	<b>2.0000e-005</b>		<b>2.0000e-005</b>	<b>2.0000e-005</b>			<b>9.3500e-003</b>			<b>9.8800e-003</b>

#### Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.5413					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	1.8246					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	4.2000e-004	4.0000e-005				2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005			9.3500e-003			9.8800e-003
<b>Total</b>	<b>2.3663</b>	<b>4.0000e-005</b>				<b>2.0000e-005</b>	<b>2.0000e-005</b>		<b>2.0000e-005</b>	<b>2.0000e-005</b>			<b>9.3500e-003</b>			<b>9.8800e-003</b>

### 7.0 Water Detail

**7.1 Mitigation Measures Water**

**8.0 Waste Detail**

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**8.1 Mitigation Measures Waste**

**9.0 Operational Offroad**

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

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**Appendix G**  
**NAHC Sacred Files Request**

STATE OF CALIFORNIAEdmund G. Brown, Jr., Governor**NATIVE AMERICAN HERITAGE COMMISSION**

1550 Harbor Blvd., ROOM 100  
West SACRAMENTO, CA 95691  
(916) 373-3710  
Fax (916) 373-5471



October 21, 2014

Daniel Hart  
School Site Solutions  
2015 H Street  
Sacramento, CA 95811

Sent by Fax: (916) 930-0788  
Number of Pages: 5

Re: Santa Maria Joint Union High School District; AG School, Santa Barbara County.

Dear Mr. Hart,

A record search of the sacred land file has failed to indicate the presence of Native American cultural resources in the immediate project area. The absence of specific site information in the sacred lands file does not indicate the absence of cultural resources in any project area. Other sources of cultural resources should also be contacted for information regarding known and recorded sites.

Enclosed is a list of Native Americans individuals/organizations who may have knowledge of cultural resources in the project area. The Commission makes no recommendation or preference of a single individual, or group over another. This list should provide a starting place in locating areas of potential adverse impact within the proposed project area. I suggest you contact all of those indicated, if they cannot supply information, they might recommend others with specific knowledge. By contacting all those listed, your organization will be better able to respond to claims of failure to consult with the appropriate tribe or group. If a response has not been received within two weeks of notification, the Commission requests that you follow-up with a telephone call to ensure that the project information has been received.

If you receive notification of change of addresses and phone numbers from any of these individuals or groups, please notify me. With your assistance we are able to assure that our lists contain current information. If you have any questions or need additional information, please contact me at (916) 373-3712.

Sincerely,

A handwritten signature in cursive script that reads "Katy Sanchez".

Katy Sanchez  
Associate Government Program Analyst



**Native American Contacts  
Santa Barbara County  
October 21, 2014**

Ernestine DeSoto, Tribal Elder  
Contact Information unavailable Chumash

Last attempted verification 10/15/14

Barbareno/Ventureno Band of Mission Indians  
Julie Lynn Tumamait-Stennsle, Chair  
365 North Poli Ave Chumash  
Ojai, CA 93023  
jtumamait@hotmail.com  
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Thousand Oaks CA 91362 Tataviam  
folkes9@msn.com Ferrnandeño  
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(805) 558-1154 Cell

Patrick Tumamait  
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(805) 216-1253 Cell

Owl Clan  
Dr. Kote & Lin A-Lul'Koy Lotah  
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mupaka@gmail.com  
(805) 472-9536

San Luis Obispo County Chumash Council  
Chief Mark Steven Vigil  
1030 Ritchie Road Chumash  
Grover Beach CA 93433  
(805) 481-2461  
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Santa Ynez Band of Mission Indians  
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P.O. Box 517 Chumash  
Santa Ynez, CA 93460  
varmenta@santaynezchumash.  
(805) 688-7997  
(805) 686-9578 Fax

John Ruiz  
1826 Stanwood Drive Chumash  
Santa Barbara CA 93103  
(805) 965-8983

This list is current only as of the date of this document.

Distribution of this list does not relieve any person of statutory responsibility as defined in Section 7050.5 of the Health and Safety Code, Section 5097.94 of the Public Resources Code and Section 5097.98 of the Public Resources Code

This list is only applicable for contacting local Native Americans with regard to cultural resources for the proposed Santa Maria Joint Union High School District: AG School, Santa Barbara County.

**Native American Contacts  
Santa Barbara County  
October 21, 2014**

Gilbert M. Unzueta Jr.  
571 Citation Way  
Thousand Oaks, CA 91320  
uhuffle@aol.com  
(805) 375-7229

Chumash

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4676 Walnut Avenue  
Simi Valley, CA 93063  
ndnRandy@yahoo.com  
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Chumash  
Fernandeño  
Tataviam  
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Yaqui

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Chumash

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Distribution of this list does not relieve any person of statutory responsibility as defined in Section 7050.5 of the Health and Safety Code, Section 5097.94 of the Public Resources Code and Section 5097.98 of the Public Resources Code

This list is only applicable for contacting local Native Americans with regard to cultural resources for the proposed Santa Maria Joint Union High School District: AG School, Santa Barbara County.

**Native American Contacts  
Santa Barbara County  
October 21, 2014**

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**This list is only applicable for contacting local Native Americans with regard to cultural resources for the proposed Santa Maria Jplint Union High School District: AG School, Santa Barbara County.**

Appendix H  
Traffic Impact Study



# ASSOCIATED TRANSPORTATION ENGINEERS

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Since 1978

Richard L. Pool, P.E.  
Scott A. Schell, AICP, PTP

March 30, 2015

15012L02

Daniel Hart  
School Site Solutions  
2015 H Street  
Sacramento, California 95811

## ***TRAFFIC IMPACT STUDY FOR THE AGRICULTURE CAREER TECHNICAL HIGH SCHOOL PROJECT, SANTA BARBARA COUNTY***

Associated Transportation Engineers (ATE) has prepared the following traffic impact study for the Agriculture Career Technical High School Project (the "Project") proposed in the Orcutt area of Santa Barbara County. It is understood that the traffic impact study will be used by the District and the County for environmental review.

### **PROJECT DESCRIPTION**

The Project site is located at 1280 Founders Avenue just east of the U.S. 101/Santa Maria Way interchange, as shown on Figure 1 (attached). The Santa Maria Joint Union High School District (SMJUHS) proposes to acquire 25.32 acres of agricultural property to construct a Career and Technical Education Program to provide capstone courses for students to apply classroom knowledge.

Figure 2 shows the Project site plan. The Project includes construction of several structures to house both students and livestock required for the curriculum provided, including two workshop buildings (9,600 SF and 10,350 SF); an agricultural/culinary arts/administrative building (5,750 SF) and an animal barn (16,000 SF). The Project also includes street improvements to New Founders Road, which would provide access for the school.

The master plan capacity for the site is 198 students with 6 classrooms/workshops accommodating 33 students per classroom. The program will operate from 9:30 A.M. to 1:40 P.M. on school days, with students bused to the campus via 3 buses in the morning 3 buses in the afternoon. No personal vehicles will be allowed for student transportation. The school will include 9 full-time employees, comprised of 8 teachers and 1 maintenance worker.

## TRAFFIC STUDY SCOPE OF WORK

The scope of work for the traffic study was developed based on input provided by Santa Barbara County staff and Caltrans staff. Although the Project site is located within the County of Santa Barbara, County staff requested consultation with Caltrans staff since the Project would take access via the U.S. 101/Santa Maria Way interchange – which is a Caltrans facility. Traffic generation estimates were developed for the Project and provided to Caltrans for review and discussion. Upon review, Caltrans staff requested that the traffic study include analyses of potential impacts to the U.S. 101/Santa Maria Way interchange.

## IMPACT THRESHOLDS

Since the U.S. 101/Santa Maria Way interchange is under the jurisdiction of Caltrans and is located within the County of Santa Barbara, both agencies' thresholds were applied when assessing potential impact of the Project. The impact thresholds are provided below.

### Caltrans Thresholds

The Caltrans minimum standard for traffic operations is the cusp of LOS C/D (LOS C or better is considered acceptable), with mitigation required for operations at LOS D, E and F.

### County of Santa Barbara

The Santa Barbara County Environmental Thresholds and Guidelines Manual includes the following traffic impact thresholds. A significant traffic impact occurs when:

- A. The addition of project traffic to an intersection increases the volume to capacity (V/C) ratio by the value provided below or sends 5, 10 or 15 trips to an intersection at LOS D, E or F.

Significant Changes In Levels Of Service	
Intersection Level of Service (Including Project)	Increase in V/C or Trips Greater Than
LOS A	0.20
LOS B	0.15
LOS C	0.10
LOS D	15 Trips
LOS E	10 Trips
LOS F	5 Trips

- B. The project's access to a major road or arterial road would require access that would create an unsafe situation or a new traffic signal or major revisions to an existing traffic signal.
- C. The project adds traffic to a roadway that has design features (e.g., narrow width, road-side ditches, sharp curves, poor sight distance, inadequate pavement structure) or receives use which would be incompatible with substantial increases in traffic (e.g. rural roads with use by farm equipment, livestock, horseback riding, or residential roads with heavy pedestrian or recreational use, etc.) that will become potential safety problems with the addition of project or cumulative traffic. Exceedance of the roadways designated Circulation Element Capacity may indicate the potential for the occurrence of the above impacts.
- D. Project traffic would utilize a substantial portion of an intersection(s) capacity where the intersection is currently operating at acceptable levels of service (A-C), but with cumulative traffic would degrade to or approach LOS D (V/C 0.81) or lower. Substantial is defined as a minimum change of 0.03 for intersections which would operate from 0.80 to 0.85, a change of 0.02 for intersections which would operate from 0.86 to 0.90 and a change of 0.01 for intersections operating at anything lower.

## EXISTING CONDITIONS

### Street Network

The study-area street network is comprised of U.S. 101, Santa Maria Way, Morningside Drive, and New Founders Way. Figure 3 shows the study area street network. The following text provides a brief description of the study-area street network.

U.S. 101, located west of the Project site, is a freeway that serves as the major north-south link through the Orcutt-Santa Maria area and is the principal inter-city route along the Pacific Coast. U.S. 101 is a 6-lane freeway north of the U.S. 101/Santa Maria Way interchange and a 4-lane freeway south of the interchange. Access between the Project site and U.S. 101 freeway would be provided via the U.S. 101/Santa Maria Way interchange.

Santa Maria Way, located west of the Project site, is a 4-lane arterial roadway that extends northwesterly from U.S. 101.

Morningside Drive is a 2-lane frontage road that extends in a north-south direction along the east side of U.S. 101.

Founders Way is a 2-lane local road that extends from Morningside Drive. Founders Way would provide direct access to the Project site.



## Traffic Operations

The ability of a roadway system to carry traffic is expressed in terms of "Levels of Service" (LOS). LOS A through F are used to rate operations, with LOS A indicating very good operations and LOS F indicating poor operations. More complete level of service definitions are provided in Table 1.

**Table 1**  
**Level of Service Definitions**

LOS	Definition
A	Conditions of free unobstructed flow, no delays and all signal phases sufficient in duration to clear all approaching vehicles.
B	Conditions of stable flow, very little delay, a few phases are unable to handle all approaching vehicles.
C	Conditions of stable flow, delays are low to moderate, full use of peak direction signal phases is experienced.
D	Conditions approaching unstable flow, delays are moderate to heavy, significant signal time deficiencies are experienced for short durations during the peak traffic period.
E	Conditions of unstable flow, delays are significant, signal phase timing is generally insufficient, congestion exists for extended duration throughout the peak period.
F	Conditions of forced flow, travel speeds are low and volumes are well above capacity. This condition is often caused when vehicles released by an upstream signal are unable to proceed because of back-ups from a downstream signal.

Source: Highway Capacity Manual, 2010.

Average Daily Traffic (ADT) volumes for the U.S. 101/Santa Maria Way interchange ramps were obtained from Caltrans. A.M. and P.M. peak hour traffic counts were collected at the U.S. 101 Northbound Ramps/Morningside Drive intersection and the U.S. 101 Southbound Ramp/Santa Maria Way intersection in March 2015 for this study (count data attached). Figure 4 shows the Existing traffic volumes.

The U.S. 101 Northbound Ramps/Morningside Drive and U.S. 101 Southbound Ramp/Santa Maria Way intersections are controlled by Stop signs on the side street approaches. Existing levels of service were calculated for the two intersections using the unsignalized operations method outlined in the Highway Capacity Manual (HCM),<sup>1</sup> which is the method adopted by

<sup>1</sup> Highway Capacity Manual, Transportation Research Board, National Research Council, 2010.

the Caltrans and the County for Stop-sign controlled intersections. Table 2 shows the existing delays and levels of service for the study-area intersections. The table shows the delays and levels of service for each movement that is required to stop or yield at the intersection as well as the delays and levels of service for the entire intersection.

**Table 2  
Existing Levels of Service**

Intersection	Delay/LOS(a)	
	A.M. Peak Hour	P.M. Peak Hour
<b>U.S. 101 SB/Santa Maria Way</b>		
Westbound Left Turns	0.2 Sec/LOS A	0.1 Sec/LOS A
Southbound Left Turns	16.7 Sec/LOS C	13.6 Sec/LOS B
Southbound Right Turns(b)	0.0 Sec/LOS A	0.0 Sec/LOS A
<b>Intersection LOS</b>	<b>11.8 Sec/LOS B</b>	<b>10.2 Sec/LOS B</b>
<b>U.S. 101 NB/Morningside Drive</b>		
Westbound Left + Right Turns	10.2 Sec/LOS B	11.8 Sec/LOS B
Southbound Left Turns	0.3 Sec/LOS A	0.1 Sec/LOS A
<b>Intersection LOS</b>	<b>5.1 Sec/LOS A</b>	<b>10.6 Sec/LOS B</b>
(a) LOS based on average delay per vehicle in seconds pursuant to HCM 2010.		
(b) Free right-turn lane.		

As shown in Table 2, the delays at the two intersections that comprise the U.S. 101/Santa Maria Way interchange equate to LOS C or better, which meets Caltrans and Santa Barbara County standards.

**PROJECT TRIP GERATION**

Trip generation estimates were developed for the Project based on the proposed operations (number of students and staff, proposed hours, proposed bus program, etc.). A worksheet showing the trip generation calculation is attached for reference. Table 3 summarizes the trip generation estimates for the Project.

As shown in Table 3, the Project is forecast to generate 50 daily trips, with 2 trips occurring during the A.M. peak hour and 2 trips occurring during the P.M. peak hour.

**Table 3**  
**Project Trip Generation**

Trip Type	Size	Trip Generation		
		Daily Trips	A.M. Trips	P.M. Trips
Students(a)	198	12	0	0
Staff(b)	9	18	0	0
Miscellaneous(c)	10	20	2	2
Trip Totals		50	2	2

(a) Student trips assume that all students will be transported by 3 buses in the morning period + 3 buses in the afternoon period. School program will operate from 9:30 A.M. to 1:40 P.M. Thus, no peak hour trips.

(b) Staff includes 8 teachers + 1 maintenance worker. Teacher schedule is 9:00 A.M. to 2:00 P.M. Maintenance worker schedule is 6:00 A.M. to 2:00 P.M. Thus, no peak hour trips.

(c) Miscellaneous trips include visitors, deliveries, etc. Peak hour trip generation assumes 10% of trips during peak commuter periods.

Project-generated traffic was distributed to the study-area street network based on the anticipated origins/destinations of student buses, staff vehicles, and miscellaneous trips. Figure 5 shows the assignment of Project traffic on the study-area street network.

### PROJECT-SPECIFIC IMPACTS

Levels of service were calculated for the study-area intersections assuming the Existing + Project volumes shown on Figure 6. Tables 4 and 5 compare the Existing and Existing + Project delays and levels of service for the A.M. and P.M. peak hour periods. The tables also show the amount of Project traffic added to each intersection and the significance of the Project's impact based on Caltrans and County impact criteria.

As shown in the tables, the Existing + Project delays at the two intersections that comprise the U.S. 101/Santa Maria Way interchange equate to LOS C or better, which meet Caltrans and County standards. The minor amount of peak hour traffic generated by the Project during the peak hour periods (2 A.M. peak hour trips and 2 P.M. peak hour trips) would not significantly impact operations at the U.S. 101/Santa Maria Way interchange based on Caltrans and County impact criteria.

**Table 4  
Existing + Project Levels of Service – A.M. Peak Hour**

Intersection	Delay/LOS(a)		Project Added	
	Existing	Existing + Project	Trips	Significant Impact?
<b>U.S. 101 SB/Santa Maria Way</b> Westbound Left Turns Southbound Left Turns Southbound Right Turns(b) <b>Intersection LOS</b>	0.2 Sec/LOS A 16.7 Sec/LOS C 0.0 Sec/LOS A <b>11.8 Sec/LOS B</b>	0.2 Sec/LOS A 16.8 Sec/LOS B 0.0 Sec/LOS A <b>12.2 Sec/LOS B</b>	1	NO
<b>U.S. 101 NB/Morningside Drive</b> Westbound Left + Right Turns Southbound Left Turns <b>Intersection LOS</b>	10.2 Sec/LOS B 0.3 Sec/LOS A <b>5.1 Sec/LOS A</b>	10.2 Sec/LOS B 0.3 Sec/LOS A <b>5.1 Sec/LOS A</b>	2	NO
(a) LOS based on average delay per vehicle in seconds pursuant to HCM 2010. (b) Free right-turn lane.				

**Table 5  
Existing + Project Levels of Service – P.M. Peak Hour**

Intersection	Delay/LOS(a)		Project Added	
	Existing	Existing + Project	Trips	Significant Impact?
<b>U.S. 101 SB/Santa Maria Way</b> Westbound Left Turns Southbound Left Turns Southbound Right Turns(b) <b>Intersection LOS</b>	0.1 Sec/LOS A 13.6 Sec/LOS B 0.0 Sec/LOS A <b>10.2 Sec/LOS B</b>	0.1 Sec/LOS A 13.7 Sec/LOS B 0.0 Sec/LOS A <b>10.7 Sec/LOS B</b>	1	NO
<b>U.S. 101 NB/Morningside Drive</b> Westbound Left + Right Turns Southbound Left Turns <b>Intersection LOS</b>	11.8 Sec/LOS B 0.1 Sec/LOS A <b>10.6 Sec/LOS B</b>	11.9 Sec/LOS B 0.2 Sec/LOS A <b>10.6 Sec/LOS B</b>	2	NO
(a) LOS based on average delay per vehicle in seconds pursuant to HCM 2010. (b) Free right-turn lane.				

**CUMUALTIVE IMPACTS**

Cumulative conditions were forecast assuming the additional traffic that would be generated by approved and pending projects in the areas. The approved and pending land uses were incorporated into the Orcutt-Santa Maria Traffic Model to forecast Cumulative conditions. The Cumulative traffic forecasts are shown on Figure 7 and the Cumulative + Project forecasts are shown on Figure 8.

**Cumulative Intersection Impacts**

Tables 6 and 7 compare the Cumulative and Cumulative + Project A.M. and P.M. peak hour levels of service for the study-area intersections and identify the significance of cumulative impacts based on Caltrans and County impact criteria.

As shown in the tables, the Cumulative and Cumulative + Project delays at the two intersections that comprise the U.S. 101/Santa Maria Way interchange equate to LOS C or better, which meet Caltrans and County standards. The minor amount of peak hour traffic generated by the Project during the peak hour periods (2 A.M. peak hour trips and 2 P.M. peak hour trips) would not contribute to significant cumulative impacts at the U.S. 101/Santa Maria Way interchange based on Caltrans and County impact criteria.

**Table 6  
Cumulative & Cumulative + Project Levels of Service – A.M. Peak Hour**

Intersection	Delay/LOS(a)		Project Added	
	Cumulative	Cumulative + Project	Trips	Significant Impact?
<b>U.S. 101 SB/Santa Maria Way</b> Westbound Left Turns Southbound Left Turns Southbound Right Turns(b) <b>Intersection LOS</b>	0.3 Sec/LOS A 20.0 Sec/LOS C 0.0 Sec/LOS A <b>12.9 Sec/LOS B</b>	0.3 Sec/LOS A 20.1 Sec/LOS C 0.0 Sec/LOS A <b>13.5 Sec/LOS B</b>	1	NO
<b>U.S. 101 NB/Morningside Drive</b> Westbound Left + Right Turns Southbound Left Turns <b>Intersection LOS</b>	11.6 Sec/LOS B 0.5 Sec/LOS A <b>6.5 Sec/LOS A</b>	11.8 Sec/LOS B 0.6 Sec/LOS A <b>6.6 Sec/LOS A</b>	2	NO
(a) LOS based on average delay per vehicle in seconds pursuant to HCM 2010. (b) Free right-turn lane.				

**Table 7  
Cumulative & Cumulative + Project Levels of Service – P.M. Peak Hour**

Intersection	Delay/LOS(a)		Project Added	
	Cumulative	Cumulative + Project	Trips	Significant Impact?
<b>U.S. 101 SB/Santa Maria Way</b>				
Westbound Left Turns	0.2 Sec/LOS A	0.2 Sec/LOS A	1	NO
Southbound Left Turns	15.7 Sec/LOS B	15.7 Sec/LOS B		
Southbound Right Turns(b)	0.0 Sec/LOS A	0.0 Sec/LOS A		
<b>Intersection LOS</b>	<b>10.2 Sec/LOS B</b>	<b>10.5 Sec/LOS B</b>		
<b>U.S. 101 NB/Morningside Drive</b>				
Westbound Left + Right Turns	13.4 Sec/LOS B	13.5 Sec/LOS B	2	NO
Southbound Left Turns	0.3 Sec/LOS A	0.4 Sec/LOS A		
<b>Intersection LOS</b>	<b>11.1 Sec/LOS B</b>	<b>11.1 Sec/LOS B</b>		
(a) LOS based on average delay per vehicle in seconds pursuant to HCM 2010.				
(b) Free right-turn lane.				

## INTERSECTION SIGHT DISTANCES

Sight distances were evaluated at the U.S. 101 Northbound Ramps/Morningside Drive intersections. The driver of a vehicle turning from the frontage road connector should have an unobstructed view along the U.S. 101 Northbound Ramp sufficient in length to permit the driver to anticipate and avoid potential collisions. The unobstructed views form triangular areas known as sight triangles. The Caltrans Highway Design Manual<sup>1</sup> corner and stopping sight distance standards were used to determine minimum sight distance requirements at the intersection. Speed surveys were conducted at the intersection to ascertain vehicle speeds on the U.S. 101 Northbound Ramp (speed survey data attached). The sight distance analysis looking to the north and south along the ramp are discussed below.

Sight Distance to North. Field review determined that there is about 820 feet of sight distance looking to the north from the intersection along the U.S. 101 Northbound Ramp. The speed surveys measured the 50<sup>th</sup> percentile speeds at 33 MPH (average speed) and the 85<sup>th</sup> percentile speeds at 36 MPH for southbound traffic (from Santa Maria area) approaching the intersection. The Caltrans recommended stopping sight distance is 230 feet for 33 MPH and 260 feet for 36 MPH. The Caltrans recommended corner sight distance is 363 feet for 33 MPH and 396 feet for 36 MPH. The 820 feet of sight distance provided at the intersection exceeds the Caltrans recommended stopping and corner sight distances.

<sup>1</sup> Highway Design Manual, California Department of Transportation, Sixth Edition, Updated May 2012.

Sight Distance to South. Field review determined that there is about 550 feet of sight distance looking to the south from the intersection along the U.S. 101 Northbound Off-Ramp. There is a horizontal curve to the south of the intersection which restricts the sight distance to 550 feet. There is a 45 MPH speed sign on the U.S. 101 northbound off-ramp approaching the intersection. The speed surveys measured the 50<sup>th</sup> percentile speed at 46 MPH (average speed) and the 85<sup>th</sup> percentile speed at 52 MPH for northbound traffic exiting U.S. 101 approaching the intersection. The Caltrans recommended stopping sight distance is 374 feet for 46 MPH and 458 feet for 52 MPH. The Caltrans recommended corner sight distance is 506 feet for 46 MPH and 572 feet for 36 MPH. The 550 feet of sight distance provided at the intersection meets the Caltrans recommended stopping sight distances and the corner sight distance for average speeds, but is 22 feet less than recommended for the 85<sup>th</sup> percentile speed of 52 MPH.

This concludes our traffic impact study for the Agriculture Career Technical High School Project proposed in the Orcutt area of Santa Barbara County. We appreciate the opportunity to assist you with the project.

Associated Transportation Engineers



Scott A. Schell, AICP, PTP  
Principal Transportation Planner

SAS/DLD

Attachments

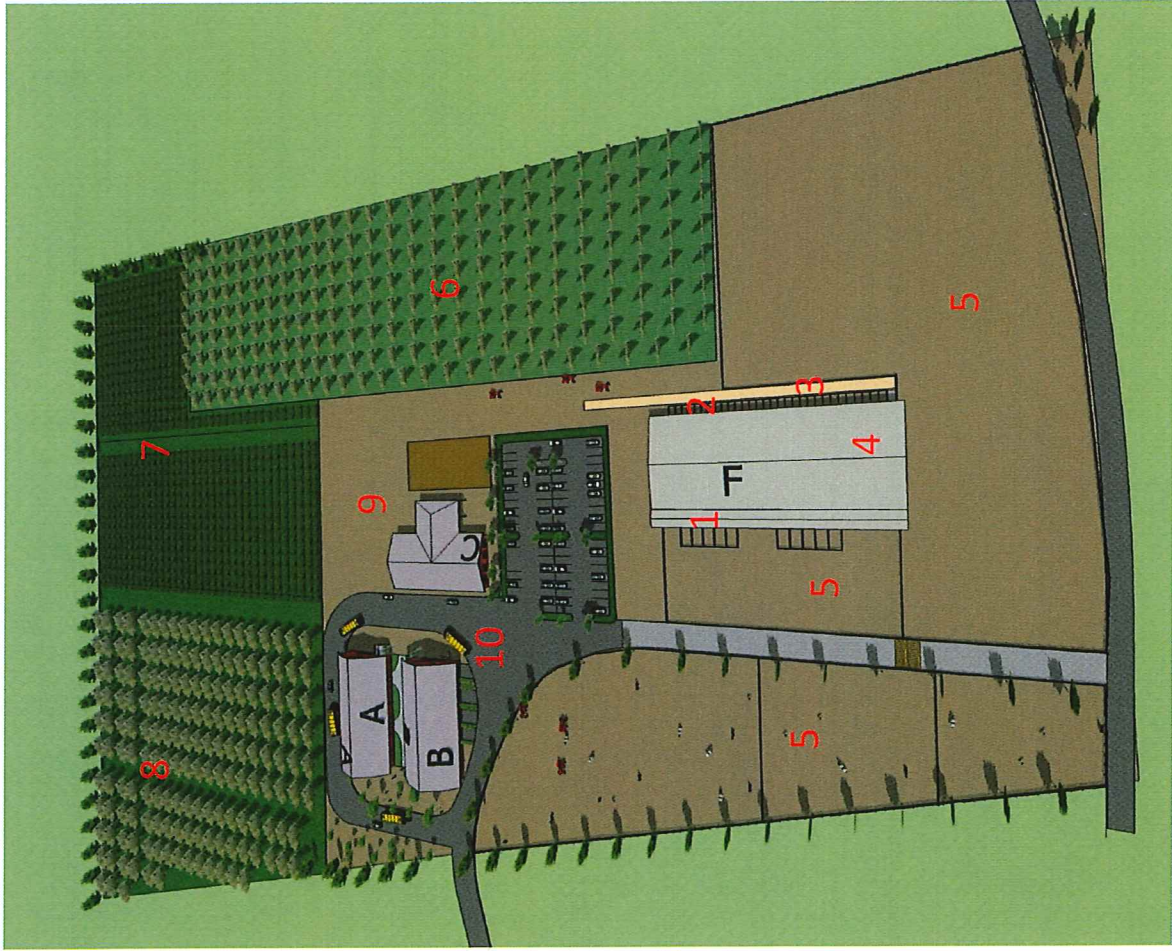


PROJECT SITE LOCATION

Initials - ATE#



# CONCEPTUAL CTE CENTER / AG FARM



## SUMMARY OF STRUCTURES

Label	Description	Est. Size
A	Workshop Bldg 1	9,600 sq ft
B	Workshop Bldg 2	10350 sq ft
C	Ag Pavilion/Culinary Arts/Admin	5750 sq ft
F	Animal Barn	16000 sq ft

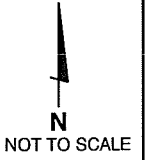
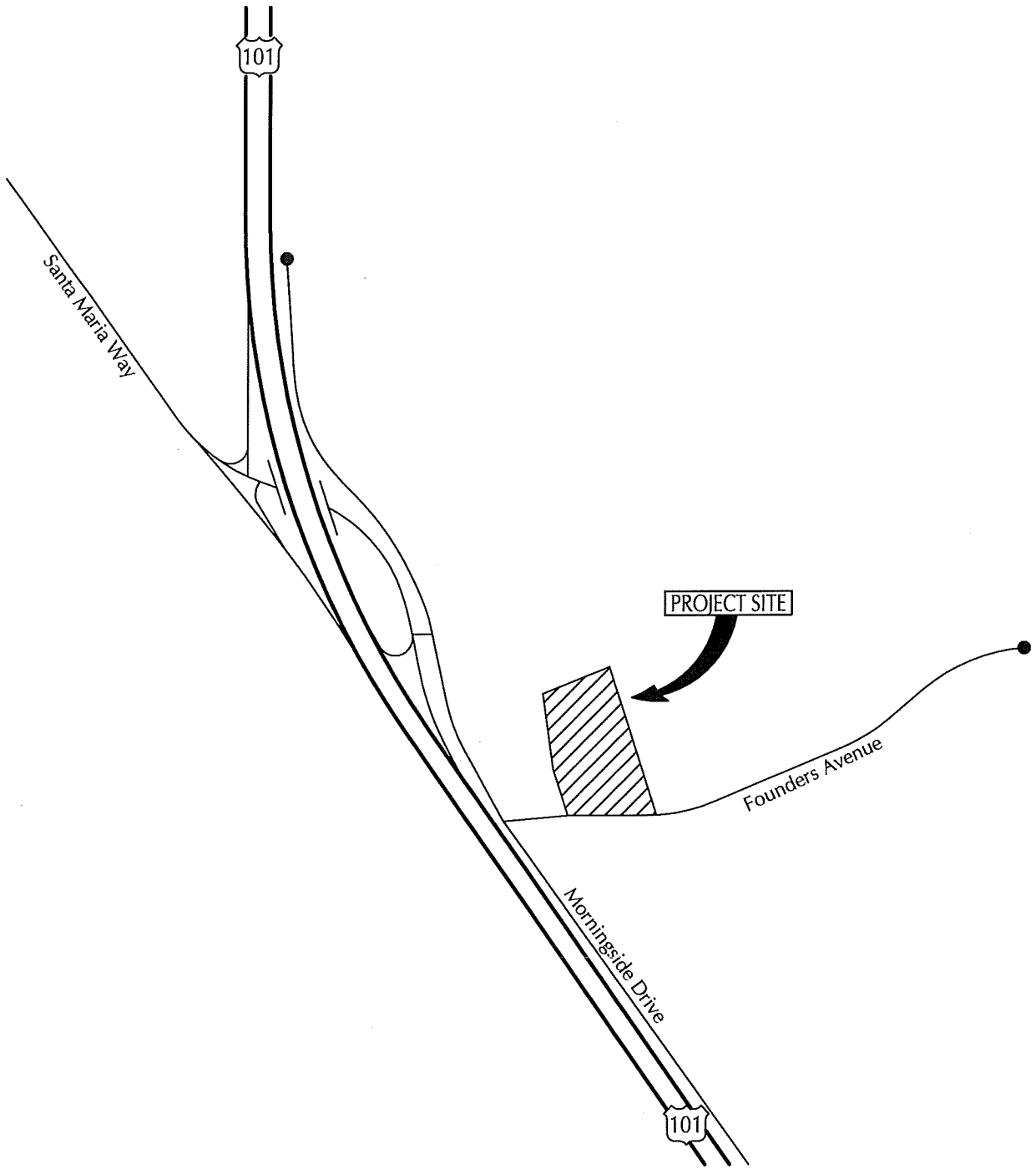
## SUMMARY OF LIVESTOCK

Label	Livestock	Indoor Dimensions	Outdoor Dimensions	Est. Quantity
1	Steer	12' x 20'	12' x 20'	15 pens
2	Pig	8' x 24'	--	32 pens
3	Sow	8' x 12'	8' x 24'	4 pens
4	Goat/Sheep	8' x 18'	8' x 18'	8 pens
Estimated Total				59 pens

## SUMMARY OF LAND USE

Label	Description	Est. Acreage
5	Divisible Pasture Area	5.3 acres
6	Truck Crop Area	4.4 acres
7	Field Crop Area	4.3 acres
8	Orchard Area	5.1 acres
9	Pavilion Parade Ground	2.2 acres
10	Structures and Vehicular Areas	4.0 acres
Estimated Total		25.3 acres

0

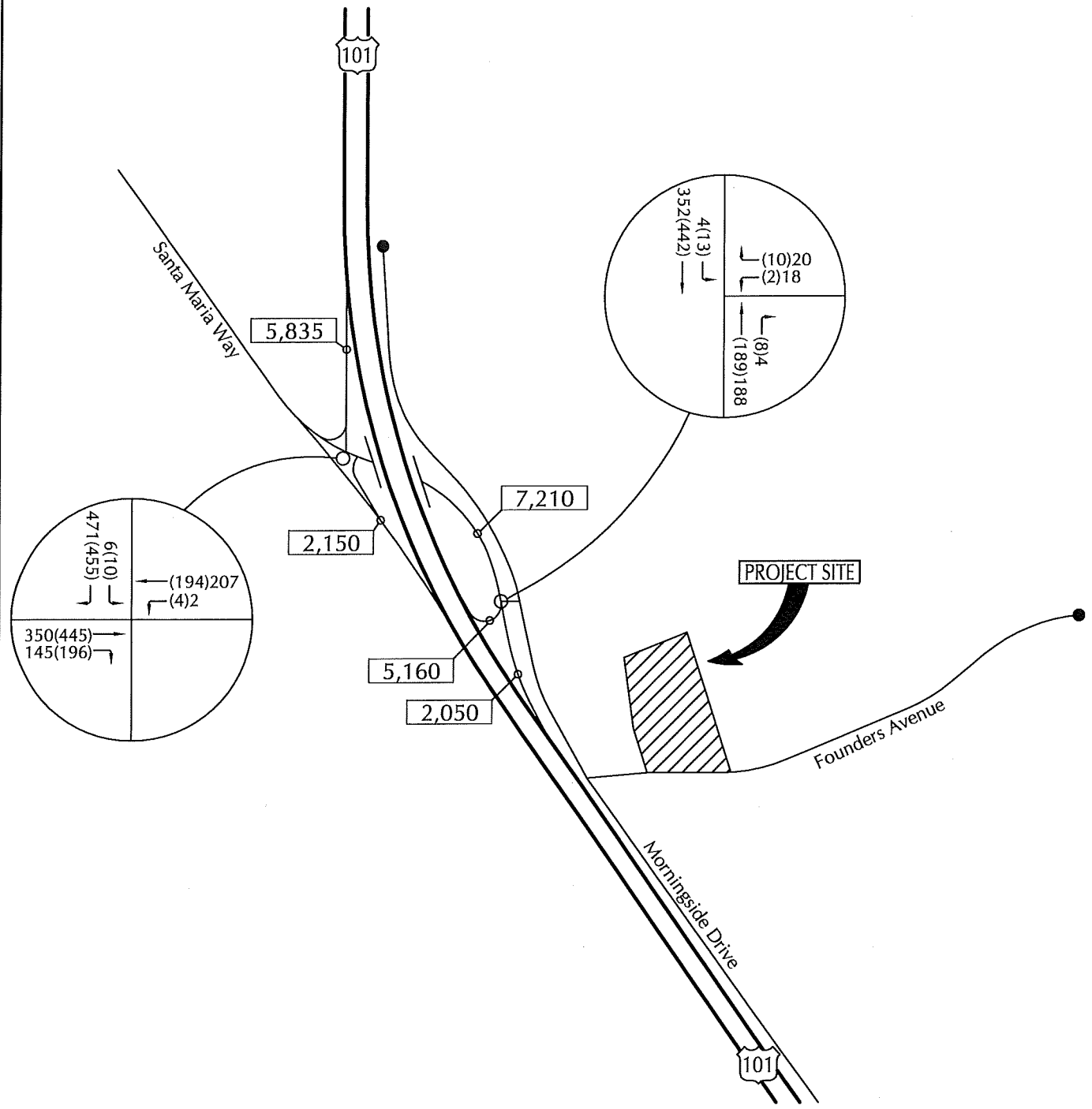


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EXISTING STREET NETWORK

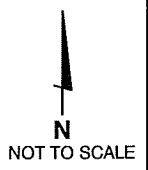
FIGURE 3

MMF - #15012



**LEGEND**

- └(XX)XX - (A.M.)P.M. Peak Hour Volume
- └ X - Average Daily Traffic Volume

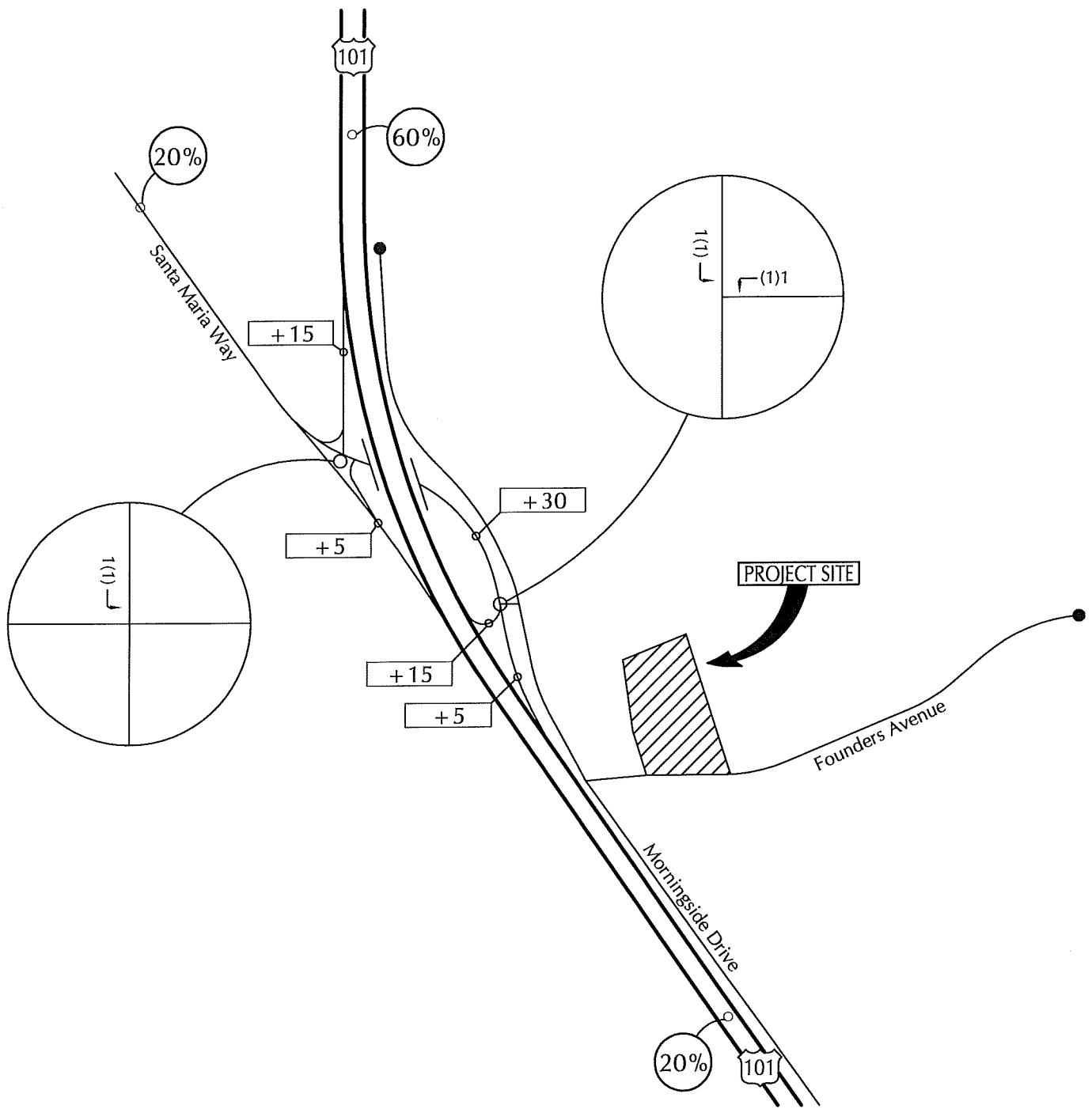


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**EXISTING TRAFFIC VOLUMES**

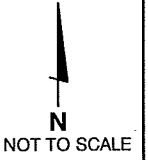
FIGURE 4

MMF - #15012



**LEGEND**

- ⌒(XX)XX - (A.M.)P.M. Peak Hour Volume
- ⌒ X - Average Daily Traffic Volume

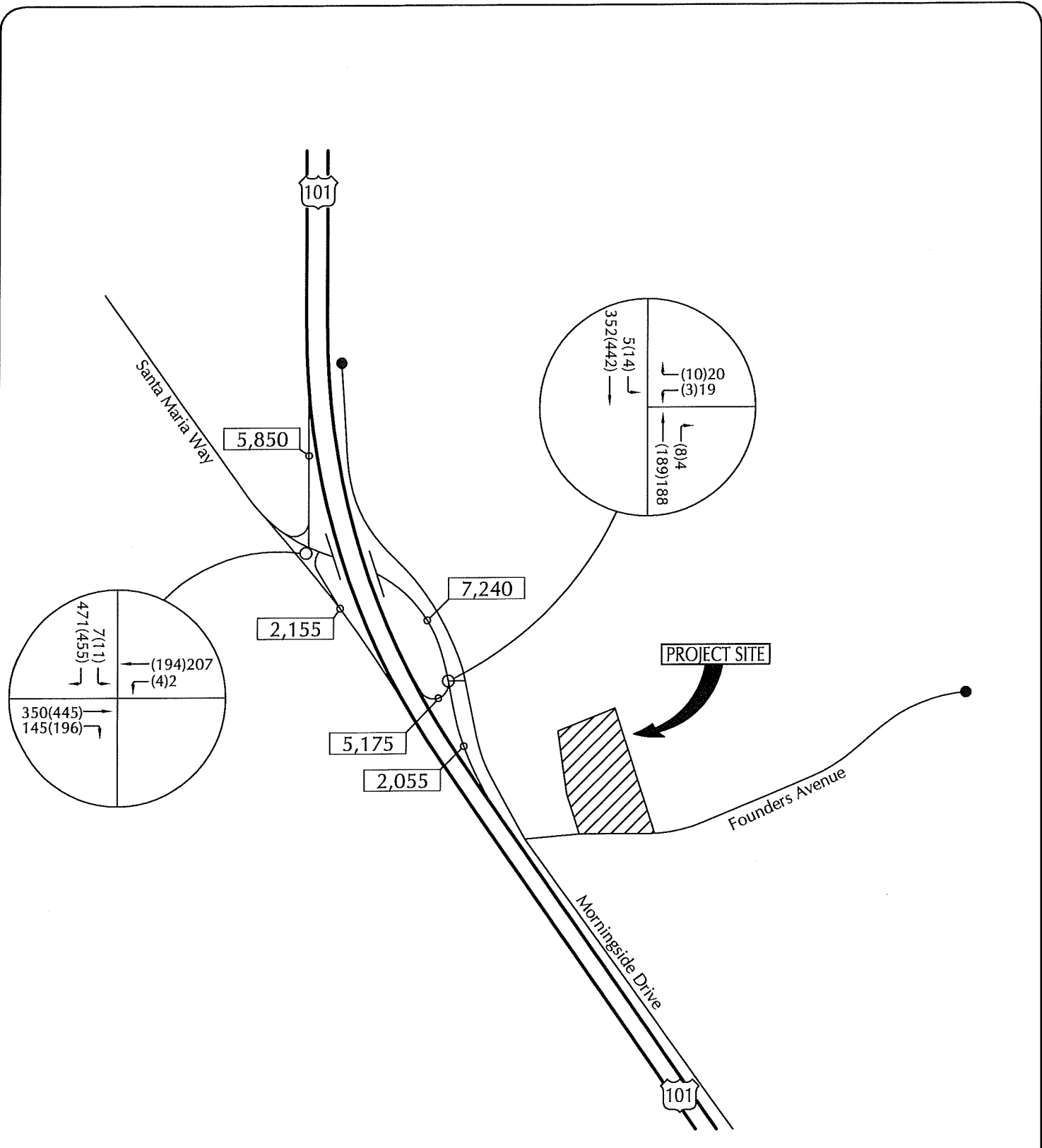


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**PROJECT TRIP DISTRIBUTION AND ASSIGNMENT**

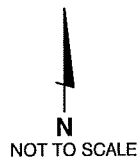
FIGURE 5

MMF - #15012



LEGEND

- └(XX)XX - (A.M.)P.M. Peak Hour Volume
- └ X - Average Daily Traffic Volume

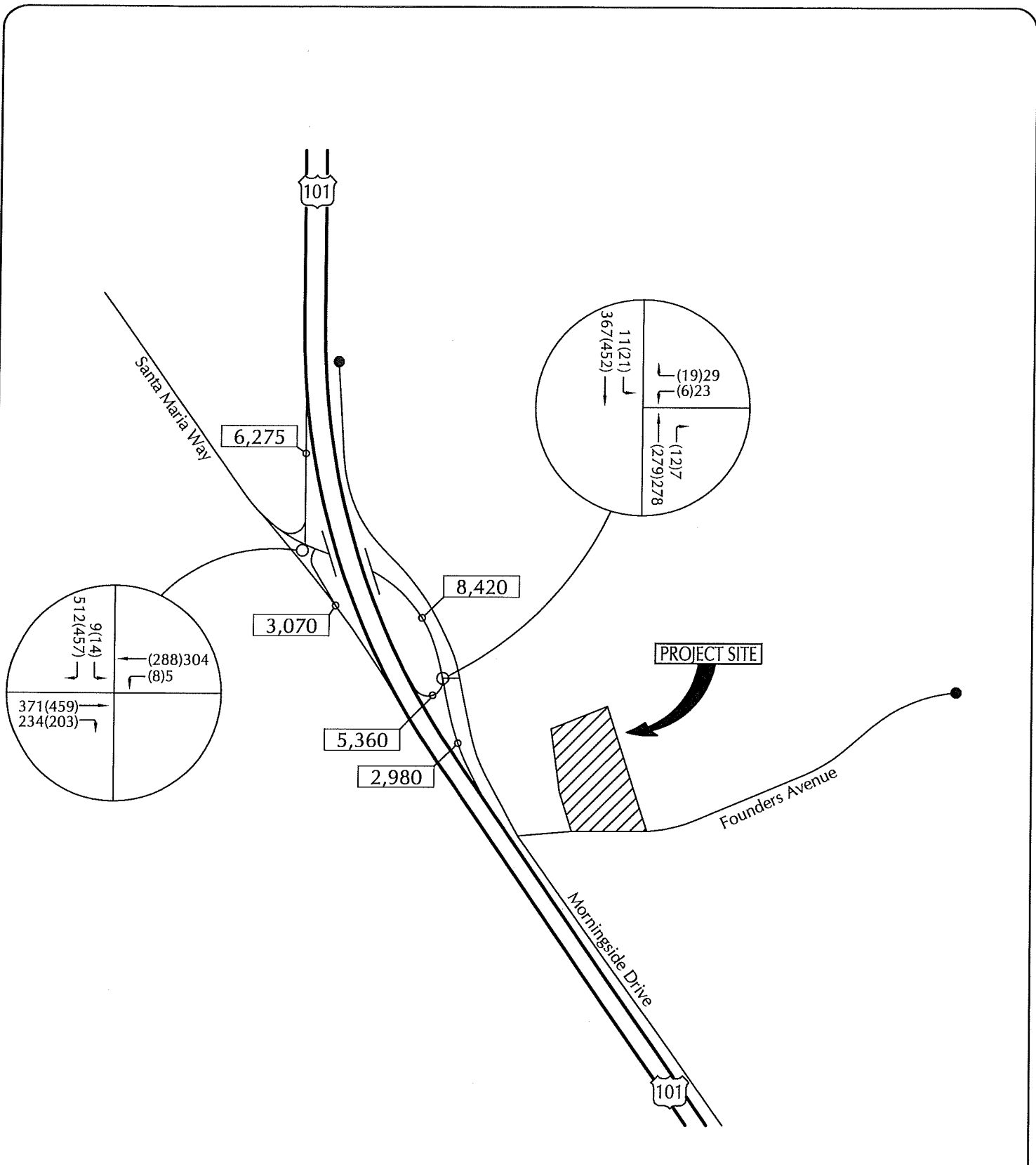


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EXISTING + PROJECT TRAFFIC VOLUMES

FIGURE 6

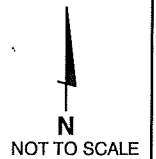
MMF - #15012



**LEGEND**

L (XX)XX - (A.M.)P.M. Peak Hour Volume

X - Average Daily Traffic Volume

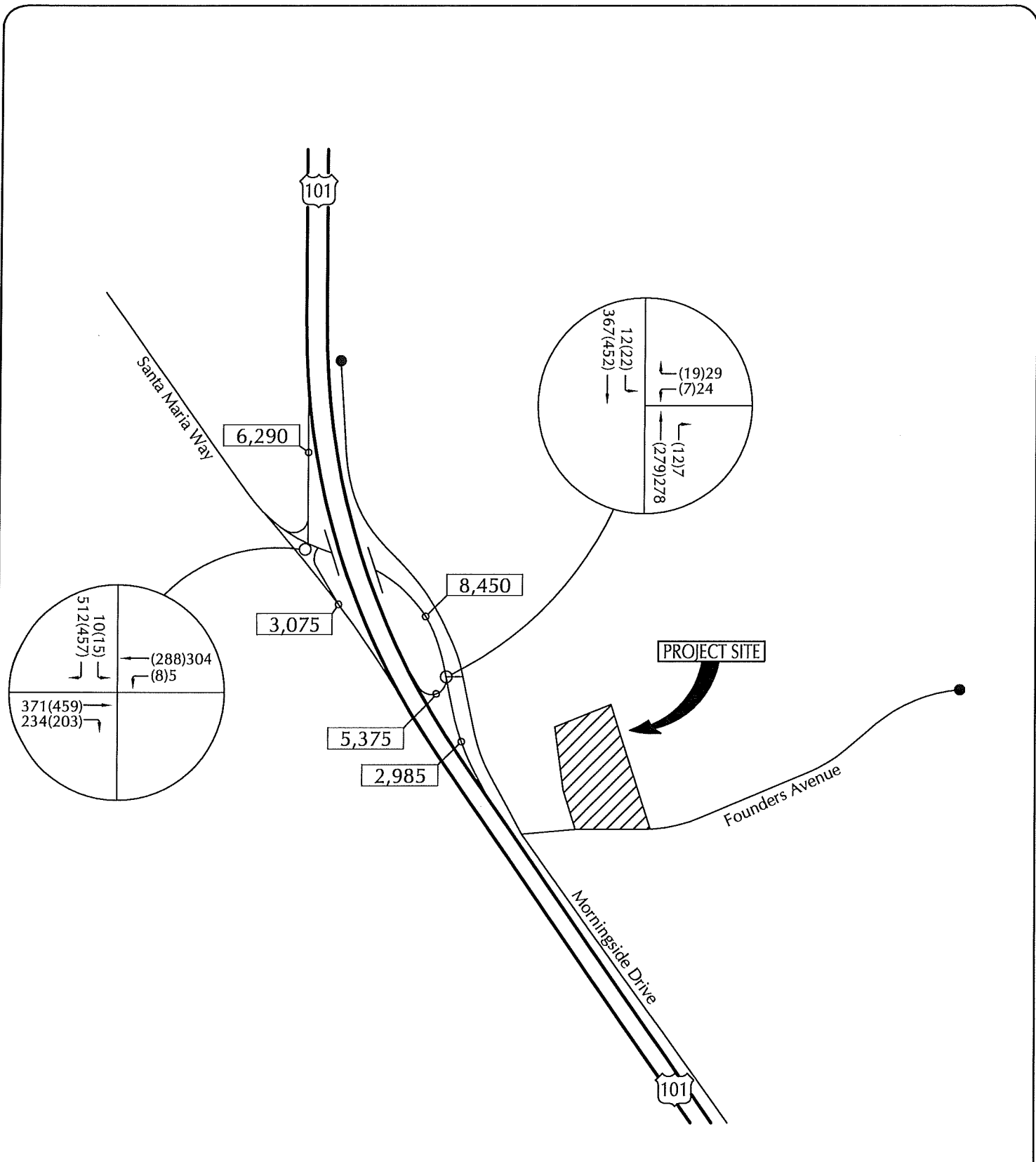


ASSOCIATED  
TRANSPORTATION  
ENGINEERS

**CUMULATIVE TRAFFIC VOLUMES**

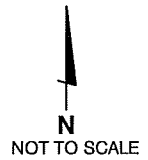
**FIGURE 7**

MMF - #15012



**LEGEND**

- L(XX)XX - (A.M.)P.M. Peak Hour Volume
- X - Average Daily Traffic Volume



ASSOCIATED  
TRANSPORTATION  
ENGINEERS

**CUMULATIVE + PROJECT TRAFFIC VOLUMES**

**FIGURE 8**

MMF - #15012

**Associated Transportation Engineers  
Trip Generation Worksheet**

**SANTA MARIA AGRICULTURE CAREER TECHNICAL SCHOOL**

Trip Type	Size	ADT		A.M.		P.M.	
		Rate	Trips	Rate	Trips	Rate	Trips
1. Students(a)	198	NA	12	NA	0	NA	0
2. Staff(b)	9	2.00	18	0	0	0	0
3. Miscellaneous(c)	10	2.00	<u>20</u>	1	<u>2</u>	1	<u>2</u>
<b>PROJECT TOTALS</b>			<b>50</b>		<b>2</b>		<b>2</b>

(a) All students will be transported by bus (no personal vehicles allowed).

Trip generation assumes 3 buses for student transportation (3 inbound and 3 outbound in morning at the beginning of the school day + 3 inbound and 3 outbound in afternoon at the end of the school day). School program will operate between 9:30 A.M. and 1:40 P.M. Thus, no peak hour trips for students.

(b) Staff includes 8 teachers + 1 maintenance worker.

Teachers schedule is 9:00 A.M. to 2:00 P.M. Maintenance workder schedule is 6:00 A.M. to 2:00 P.M.

(c) Miscellaneous trips include visitors, deliveries, etc. Assumes 10% of trips during peak commuter periods.



# ITM Peak Hour Summary

Prepared by:



National Data & Surveying Services

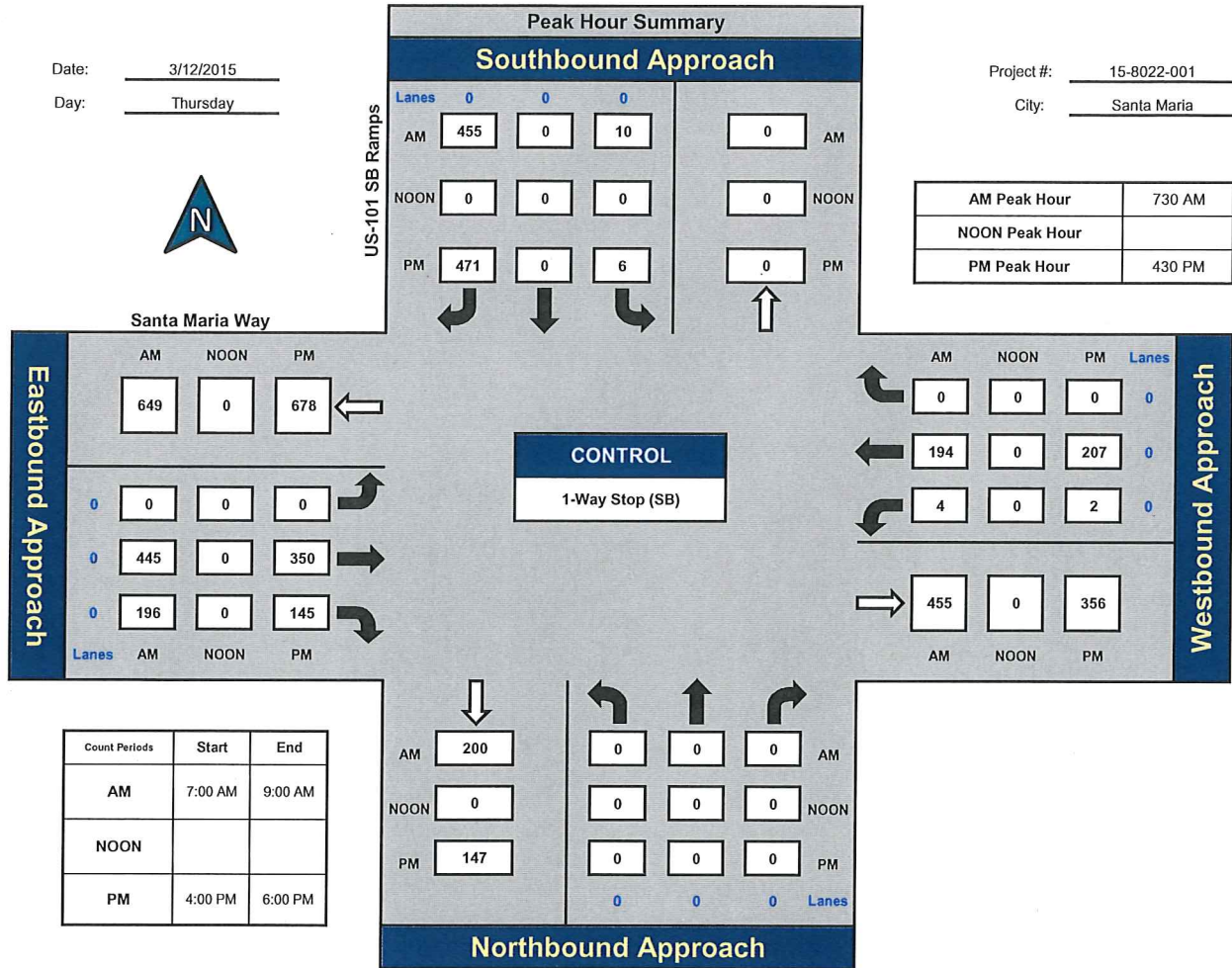
## US-101 SB Ramps and Santa Maria Way, Santa Maria

Date: 3/12/2015

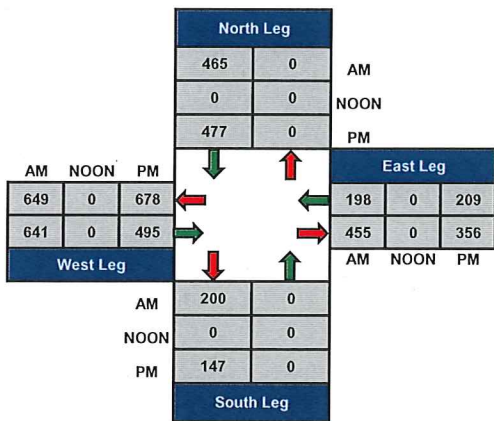
Day: Thursday

Project #: 15-8022-001

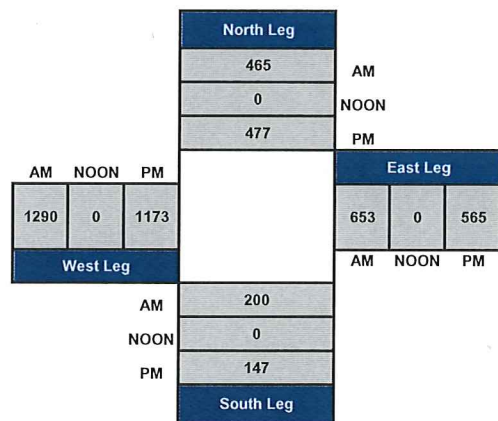
City: Santa Maria



### Total Ins & Outs



### Total Volume Per Leg



# ITM Peak Hour Summary

Prepared by:



National Data & Surveying Services

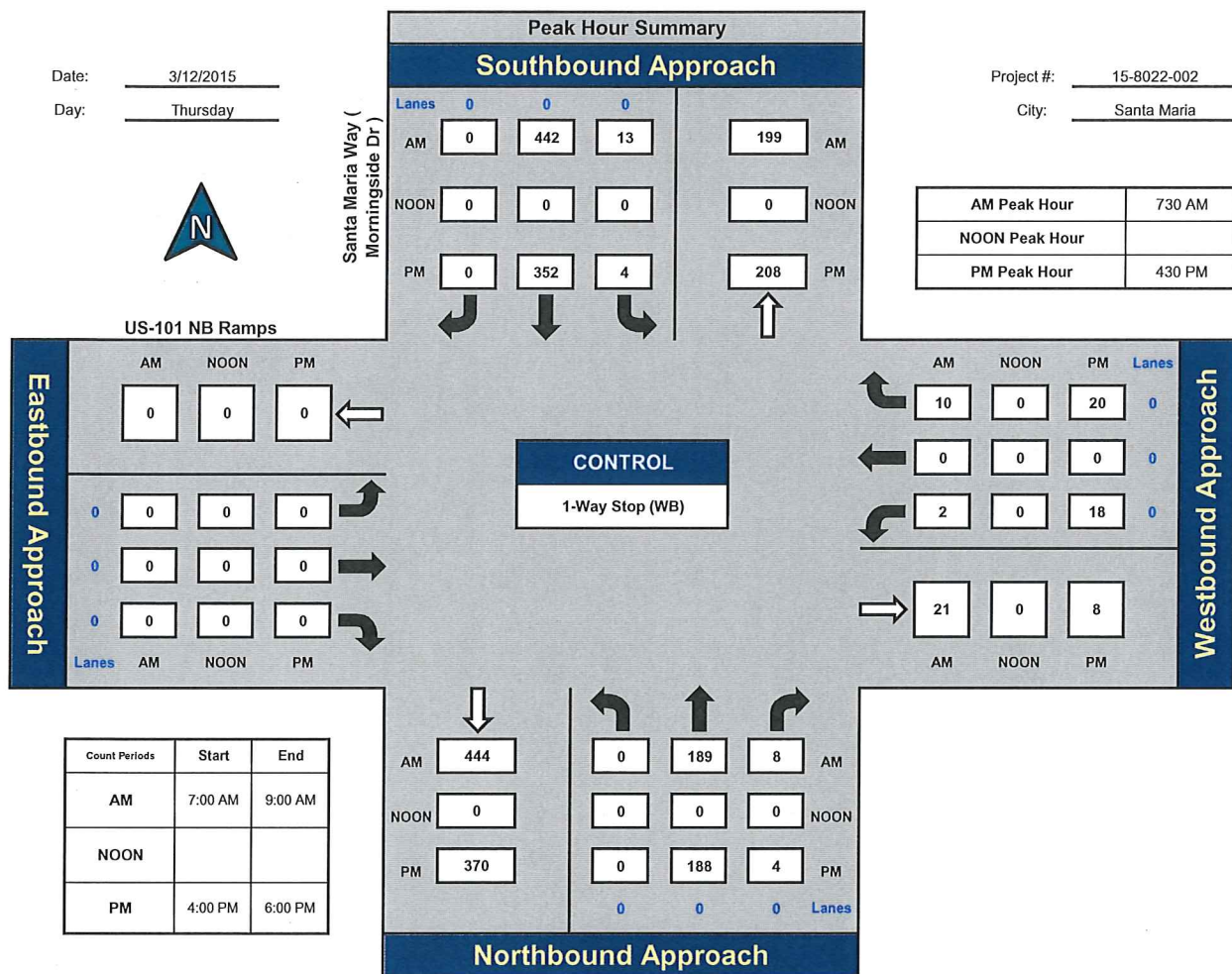
## Santa Maria Way ( Morningside Dr ) and US-101 NB Ramps , Santa Maria

Date: 3/12/2015

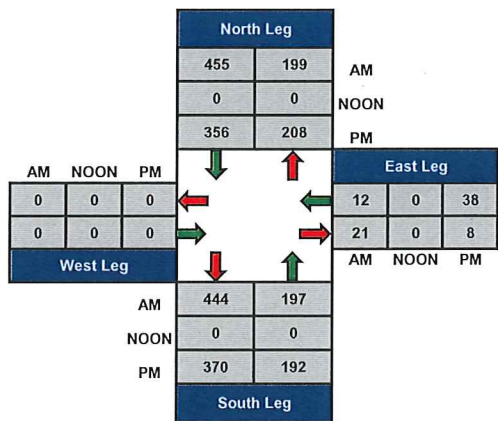
Day: Thursday

Project #: 15-8022-002

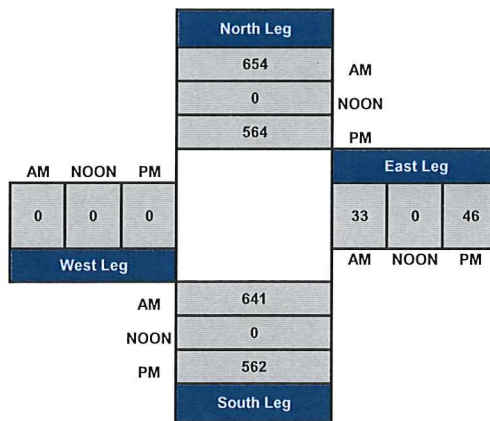
City: Santa Maria



### Total Ins & Outs



### Total Volume Per Leg



HCM Unsignalized Intersection Capacity Analysis  
 1: SANTA MARIA WAY & US 101 SB OFF

EXISTING\_A.M.  
 3/20/2015



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations		↑	↗		↖					↘		↗
Volume (veh/h)	0	445	196	4	194	0	0	0	0	10	0	455
Sign Control		Free			Free			Stop			Stop	
Grade		0%			0%			0%			0%	
Peak Hour Factor	0.85	0.85	0.85	0.85	0.85	0.85	0.85	0.85	0.85	0.85	0.85	0.85
Hourly flow rate (vph)	0	524	231	5	228	0	0	0	0	12	0	535
Pedestrians												
Lane Width (ft)												
Walking Speed (ft/s)												
Percent Blockage												
Right turn flare (veh)												
Median type		None			None							
Median storage (veh)												
Upstream signal (ft)												
pX, platoon unblocked												
vC, conflicting volume	228			524			761	761	524	761	761	228
vC1, stage 1 conf vol												
vC2, stage 2 conf vol												
vCu, unblocked vol	228			524			761	761	524	761	761	228
tC, single (s)	4.1			4.1			7.1	6.5	6.2	7.1	6.5	6.2
tC, 2 stage (s)												
tF (s)	2.2			2.2			3.5	4.0	3.3	3.5	4.0	3.3
p0 queue free %	100			100			100	100	100	96	100	34
cM capacity (veh/h)	1328			1033			107	331	550	318	331	806

Direction, Lane #	EB 1	EB 2	WB 1	SB 1	SB 2
Volume Total	524	231	233	12	535
Volume Left	0	0	5	12	0
Volume Right	0	231	0	0	535
cSH	1700	1700	1033	318	806
Volume to Capacity	0.31	0.14	0.00	0.04	0.66
Queue Length 95th (ft)	0	0	0	3	129
Control Delay (s)	0.0	0.0	0.2	16.7	17.8
Lane LOS			A	C	C
Approach Delay (s)	0.0		0.2	17.8	
Approach LOS				C	

Intersection Summary	
Average Delay	6.4
Intersection Capacity Utilization	45.3%
ICU Level of Service	A
Analysis Period (min)	15

AWD = 11.8 SEC. / LOS B

HCM Unsignalized Intersection Capacity Analysis  
 1: SANTA MARIA WAY & US 101 SB OFF

EXISTING\_P.M.  
 3/20/2015



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR	
Lane Configurations		↑	↗		↖					↘		↙	
Volume (veh/h)	0	350	145	2	207	0	0	0	0	6	0	471	
Sign Control		Free			Free			Stop			Stop		
Grade		0%			0%			0%			0%		
Peak Hour Factor	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	
Hourly flow rate (vph)	0	361	149	2	213	0	0	0	0	6	0	486	
Pedestrians													
Lane Width (ft)													
Walking Speed (ft/s)													
Percent Blockage													
Right turn flare (veh)													
Median type	None					None							
Median storage veh													
Upstream signal (ft)													
pX, platoon unblocked													
vC, conflicting volume	213		361			578		578		361		578	
vC1, stage 1 conf vol													
vC2, stage 2 conf vol													
vCu, unblocked vol	213		361			578		578		361		578	
tC, single (s)	4.1		4.1			7.1		6.5		6.2		7.1	
tC, 2 stage (s)													
tF (s)	2.2		2.2			3.5		4.0		3.3		3.5	
p0 queue free %	100		100			100		100		100		99	
cM capacity (veh/h)	1345		1187			173		423		679		423	

Direction, Lane #	EB 1	EB 2	WB 1	SB 1	SB 2
Volume Total	361	149	215	6	486
Volume Left	0	0	2	6	0
Volume Right	0	149	0	0	486
cSH	1700	1700	1187	423	822
Volume to Capacity	0.21	0.09	0.00	0.01	0.59
Queue Length 95th (ft)	0	0	0	1	99
Control Delay (s)	0.0	0.0	0.1	13.6	15.5
Lane LOS			A	B	C
Approach Delay (s)	0.0		0.1		
Approach LOS			C		

Intersection Summary					
Average Delay			6.3		
Intersection Capacity Utilization	46.8%		ICU Level of Service		A
Analysis Period (min)	15				

*AWD = 10.2 SEC / LOS B*

HCM Unsignalized Intersection Capacity Analysis  
 1: SANTA MARIA WAY & US 101 SB OFF

EXISTING+PROJECT\_A.M.  
 3/23/2015



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR	
Lane Configurations		↑	↗		↖					↘		↙	
Volume (veh/h)	0	445	196	4	194	0	0	0	0	11	0	455	
Sign Control		Free			Free			Stop			Stop		
Grade		0%			0%			0%			0%		
Peak Hour Factor	0.85	0.85	0.85	0.85	0.85	0.85	0.85	0.85	0.85	0.85	0.85	0.85	
Hourly flow rate (vph)	0	524	231	5	228	0	0	0	0	13	0	535	
Pedestrians													
Lane Width (ft)													
Walking Speed (ft/s)													
Percent Blockage													
Right turn flare (veh)													
Median type		None					None						
Median storage veh													
Upstream signal (ft)													
pX, platoon unblocked													
vC, conflicting volume	228			524			761	761	524	761	761	228	
vC1, stage 1 conf vol													
vC2, stage 2 conf vol													
vCu, unblocked vol	228			524			761	761	524	761	761	228	
tC, single (s)	4.1			4.1			7.1	6.5	6.2	7.1	6.5	6.2	
tC, 2 stage (s)													
tF (s)	2.2			2.2			3.5	4.0	3.3	3.5	4.0	3.3	
p0 queue free %	100			100			100	100	100	96	100	34	
cM capacity (veh/h)	1328			1033			107	331	550	318	331	806	

Direction, Lane #	EB 1	EB 2	WB 1	SB 1	SB 2
Volume Total	524	231	233	13	535
Volume Left	0	0	5	13	0
Volume Right	0	231	0	0	535
cSH	1700	1700	1033	318	806
Volume to Capacity	0.31	0.14	0.00	0.04	0.66
Queue Length 95th (ft)	0	0	0	3	129
Control Delay (s)	0.0	0.0	0.2	16.8	17.8
Lane LOS			A	C	C
Approach Delay (s)	0.0		0.2	17.8	
Approach LOS				C	

Intersection Summary		
Average Delay		6.4
Intersection Capacity Utilization	45.3%	ICU Level of Service A
Analysis Period (min)		15

AWD = 12.2 sec. / LOS B

HCM Unsignalized Intersection Capacity Analysis  
 1: SANTA MARIA WAY & US 101 SB OFF

EXISTING+PROJECT\_P.M.

3/23/2015



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations		↑	↗		↖					↘		↗
Volume (veh/h)	0	350	145	2	207	0	0	0	0	7	0	471
Sign Control		Free			Free			Stop			Stop	
Grade		0%			0%			0%			0%	
Peak Hour Factor	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97
Hourly flow rate (vph)	0	361	149	2	213	0	0	0	0	7	0	486
Pedestrians												
Lane Width (ft)												
Walking Speed (ft/s)												
Percent Blockage												
Right turn flare (veh)												
Median type		None			None							
Median storage veh												
Upstream signal (ft)												
pX, platoon unblocked												
vC, conflicting volume	213			361			578	578	361	578	578	213
vC1, stage 1 conf vol												
vC2, stage 2 conf vol												
vCu, unblocked vol	213			361			578	578	361	578	578	213
tC, single (s)	4.1			4.1			7.1	6.5	6.2	7.1	6.5	6.2
tC, 2 stage (s)												
tF (s)	2.2			2.2			3.5	4.0	3.3	3.5	4.0	3.3
p0 queue free %	100			100			100	100	100	98	100	41
cM capacity (veh/h)	1345			1187			173	423	679	423	423	822












Direction, Lane #	EB 1	EB 2	WB 1	SB 1	SB 2
Volume Total	361	149	215	7	486
Volume Left	0	0	2	7	0
Volume Right	0	149	0	0	486
cSH	1700	1700	1187	423	822
Volume to Capacity	0.21	0.09	0.00	0.02	0.59
Queue Length 95th (ft)	0	0	0	1	99
Control Delay (s)	0.0	0.0	0.1	13.7	15.5
Lane LOS			A	B	C
Approach Delay (s)	0.0		0.1	15.5	
Approach LOS				C	

Intersection Summary		
Average Delay		6.3
Intersection Capacity Utilization	46.8%	ICU Level of Service A
Analysis Period (min)		15

AWD = 10.7 sec. / LOS B

HCM Unsignalized Intersection Capacity Analysis  
 1: SANTA MARIA WAY & US 101 SB OFF

CUMULATIVE\_A.M.  
 3/23/2015

												
Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations		↑	↗		↖					↘		↗
Volume (veh/h)	0	459	203	8	288	0	0	0	0	14	0	457
Sign Control		Free			Free			Stop			Stop	
Grade		0%			0%			0%			0%	
Peak Hour Factor	0.85	0.85	0.85	0.85	0.85	0.85	0.85	0.85	0.85	0.85	0.85	0.85
Hourly flow rate (vph)	0	540	239	9	339	0	0	0	0	16	0	538
Pedestrians												
Lane Width (ft)												
Walking Speed (ft/s)												
Percent Blockage												
Right turn flare (veh)												
Median type		None			None							
Median storage (veh)												
Upstream signal (ft)												
pX, platoon unblocked												
vC, conflicting volume	339			540			898	898	540	898	898	339
vC1, stage 1 conf vol												
vC2, stage 2 conf vol												
vCu, unblocked vol	339			540			898	898	540	898	898	339
tC, single (s)	4.1			4.1			7.1	6.5	6.2	7.1	6.5	6.2
tC, 2 stage (s)												
tF (s)	2.2			2.2			3.5	4.0	3.3	3.5	4.0	3.3
p0 queue free %	100			99			100	100	100	94	100	23
cM capacity (veh/h)	1209			1018			59	274	538	256	274	699
Direction, Lane #	EB 1	EB 2	WB 1	SB 1	SB 2							
Volume Total	540	239	348	16	538							
Volume Left	0	0	9	16	0							
Volume Right	0	239	0	0	538							
cSH	1700	1700	1018	256	699							
Volume to Capacity	0.32	0.14	0.01	0.06	0.77							
Queue Length 95th (ft)	0	0	1	5	183							
Control Delay (s)	0.0	0.0	0.3	20.0	25.2							
Lane LOS			A	C	D							
Approach Delay (s)	0.0		0.3	25.0								
Approach LOS				D								
<b>Intersection Summary</b>												
Average Delay			8.3									
Intersection Capacity Utilization			50.6%		ICU Level of Service				A			
Analysis Period (min)			15									

AWD = 12.9 sec. / LOS B

HCM Unsignalized Intersection Capacity Analysis  
 1: SANTA MARIA WAY & US 101 SB OFF

CUMULATIVE\_P.M.

3/23/2015



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations		↑	↗		↖					↘		↗
Volume (veh/h)	0	371	234	5	304	0	0	0	0	9	0	512
Sign Control		Free			Free			Stop			Stop	
Grade		0%			0%			0%			0%	
Peak Hour Factor	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97
Hourly flow rate (vph)	0	382	241	5	313	0	0	0	0	9	0	528
Pedestrians												
Lane Width (ft)												
Walking Speed (ft/s)												
Percent Blockage												
Right turn flare (veh)												
Median type		None			None							
Median storage (veh)												
Upstream signal (ft)												
pX, platoon unblocked												
vC, conflicting volume	313			382			706	706	382	706	706	313
vC1, stage 1 conf vol												
vC2, stage 2 conf vol												
vCu, unblocked vol	313			382			706	706	382	706	706	313
tC, single (s)	4.1			4.1			7.1	6.5	6.2	7.1	6.5	6.2
tC, 2 stage (s)												
tF (s)	2.2			2.2			3.5	4.0	3.3	3.5	4.0	3.3
p0 queue free %	100			100			100	100	100	97	100	27
cM capacity (veh/h)	1236			1165			93	356	660	347	356	722

Direction, Lane #	EB 1	EB 2	WB 1	SB 1	SB 2
Volume Total	382	241	319	9	528
Volume Left	0	0	5	9	0
Volume Right	0	241	0	0	528
cSH	1700	1700	1165	347	722
Volume to Capacity	0.22	0.14	0.00	0.03	0.73
Queue Length 95th (ft)	0	0	0	2	161
Control Delay (s)	0.0	0.0	0.2	15.7	22.3
Lane LOS			A	C	C
Approach Delay (s)	0.0		0.2	22.2	
Approach LOS				C	

Intersection Summary		
Average Delay		8.1
Intersection Capacity Utilization	54.6%	ICU Level of Service A
Analysis Period (min)		15

*AWD = 10.2 sec. / LOS B*



HCM Unsignalized Intersection Capacity Analysis  
 1: SANTA MARIA WAY & US 101 SB OFF

CUMULATIVE+PROJECT\_A.M.  
 3/23/2015



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations		↑	↗		↖					↘		↗
Volume (veh/h)	0	459	203	8	288	0	0	0	0	15	0	457
Sign Control		Free			Free			Stop			Stop	
Grade		0%			0%			0%			0%	
Peak Hour Factor	0.85	0.85	0.85	0.85	0.85	0.85	0.85	0.85	0.85	0.85	0.85	0.85
Hourly flow rate (vph)	0	540	239	9	339	0	0	0	0	18	0	538
Pedestrians												
Lane Width (ft)												
Walking Speed (ft/s)												
Percent Blockage												
Right turn flare (veh)												
Median type	None					None						
Median storage (veh)												
Upstream signal (ft)												
pX, platoon unblocked												
vC, conflicting volume	339			540			898	898	540	898	898	339
vC1, stage 1 conf vol												
vC2, stage 2 conf vol												
vCu, unblocked vol	339			540			898	898	540	898	898	339
iC, single (s)	4.1			4.1			7.1	6.5	6.2	7.1	6.5	6.2
iC, 2 stage (s)												
iF (s)	2.2			2.2			3.5	4.0	3.3	3.5	4.0	3.3
p0 queue free %	100			99			100	100	100	93	100	23
cM capacity (veh/h)	1209			1018			59	274	538	256	274	699

Direction, Lane #	EB 1	EB 2	WB 1	SB 1	SB 2
Volume Total	540	239	348	18	538
Volume Left	0	0	9	18	0
Volume Right	0	239	0	0	538
cSH	1700	1700	1018	256	699
Volume to Capacity	0.32	0.14	0.01	0.07	0.77
Queue Length 95th (ft)	0	0	1	6	183
Control Delay (s)	0.0	0.0	0.3	20.1	25.2
Lane LOS			A	C	D
Approach Delay (s)	0.0		0.3	25.0	
Approach LOS				C	

Intersection Summary		
Average Delay		8.3
Intersection Capacity Utilization	50.6%	ICU Level of Service A
Analysis Period (min)		15

*AWD = 13.5 SEC. / LOSB*

HCM Unsignalized Intersection Capacity Analysis  
 1: SANTA MARIA WAY & US 101 SB OFF

CUMULATIVE+PROJECT\_P.M.

3/23/2015



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations		↑	↗		↖					↘	↓	↙
Volume (veh/h)	0	371	234	5	304	0	0	0	0	10	0	512
Sign Control		Free			Free			Stop			Stop	
Grade		0%			0%			0%			0%	
Peak Hour Factor	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97
Hourly flow rate (vph)	0	382	241	5	313	0	0	0	0	10	0	528
Pedestrians												
Lane Width (ft)												
Walking Speed (ft/s)												
Percent Blockage												
Right turn flare (veh)												
Median type		None			None							
Median storage (veh)												
Upstream signal (ft)												
pX, platoon unblocked												
vC, conflicting volume	313			382			706	706	382	706	706	313
vC1, stage 1 conf vol												
vC2, stage 2 conf vol												
vCu, unblocked vol	313			382			706	706	382	706	706	313
tC, single (s)	4.1			4.1			7.1	6.5	6.2	7.1	6.5	6.2
tC, 2 stage (s)												
tF (s)	2.2			2.2			3.5	4.0	3.3	3.5	4.0	3.3
p0 queue free %	100			100			100	100	100	97	100	27
cM capacity (veh/h)	1236			1165			93	356	660	347	356	722

Direction, Lane #	EB 1	EB 2	WB 1	SB 1	SB 2
Volume Total	382	241	319	10	528
Volume Left	0	0	5	10	0
Volume Right	0	241	0	0	528
cSH	1700	1700	1165	347	722
Volume to Capacity	0.22	0.14	0.00	0.03	0.73
Queue Length 95th (ft)	0	0	0	2	161
Control Delay (s)	0.0	0.0	0.2	15.7	22.3
Lane LOS			A	C	C
Approach Delay (s)	0.0		0.2	22.1	
Approach LOS				C	

Intersection Summary		
Average Delay		8.1
Intersection Capacity Utilization	54.6%	ICU Level of Service A
Analysis Period (min)		15

*AWD = 10.5 sec. / LOS B*

HCM Unsignalized Intersection Capacity Analysis  
 2: MORNINGSIDE DRIVE & U.S. 101 NB OFF RAMP

EXISTING\_A.M.  
 3/23/2015



Movement	WBL	WBR	NBT	NBR	SBL	SBT
Lane Configurations	Y		↑			↑
Volume (veh/h)	2	10	189	8	13	442
Sign Control	Stop		Free			Free
Grade	0%		0%			0%
Peak Hour Factor	0.95	0.95	0.95	0.95	0.95	0.95
Hourly flow rate (vph)	2	11	199	8	14	465
Pedestrians						
Lane Width (ft)						
Walking Speed (ft/s)						
Percent Blockage						
Right turn flare (veh)						
Median type			None			None
Median storage (veh)						
Upstream signal (ft)						
pX, platoon unblocked						
vC, conflicting volume	696	203			207	
vC1, stage 1 conf vol						
vC2, stage 2 conf vol						
vCu, unblocked vol	696	203			207	
tC, single (s)	6.4	6.2			4.1	
tC, 2 stage (s)						
tF (s)	3.5	3.3			2.2	
p0 queue free %	99	99			99	
cM capacity (veh/h)	401	832			1352	

Direction, Lane #	WB 1	NB 1	SB 1
Volume Total	13	207	479
Volume Left	2	0	14
Volume Right	11	8	0
cSH	706	1700	1352
Volume to Capacity	0.02	0.12	0.01
Queue Length 95th (ft)	1	0	1
Control Delay (s)	10.2	0.0	0.3
Lane LOS	B		A
Approach Delay (s)	10.2	0.0	0.3
Approach LOS	B		

Intersection Summary			
Average Delay		0.4	
Intersection Capacity Utilization		43.7%	ICU Level of Service A
Analysis Period (min)		15	

AWD = 5.1 SEC. / LOS A

HCM Unsignalized Intersection Capacity Analysis  
 2: MORNINGSIDE DRIVE & US 101 NB OFF RAMP

EXISTING\_P.M.  
 3/23/2015



Movement	WBL	WBR	NBT	NBR	SBL	SBT
Lane Configurations	Y		T			T
Volume (veh/h)	18	20	188	4	4	352
Sign Control	Stop		Free			Free
Grade	0%		0%			0%
Peak Hour Factor	0.85	0.85	0.85	0.85	0.85	0.85
Hourly flow rate (vph)	21	24	221	5	5	414
Pedestrians						
Lane Width (ft)						
Walking Speed (ft/s)						
Percent Blockage						
Right turn flare (veh)						
Median type			None			None
Median storage (veh)						
Upstream signal (ft)						
pX, platoon unblocked						
vC, conflicting volume	647	224			226	
vC1, stage 1 conf vol						
vC2, stage 2 conf vol						
vCu, unblocked vol	647	224			226	
tC, single (s)	6.4	6.2			4.1	
tC, 2 stage (s)						
tF (s)	3.5	3.3			2.2	
p0 queue free %	95	97			100	
cM capacity (veh/h)	431	811			1331	

Direction, Lane #	WB 1	NB 1	SB 1
Volume Total	45	226	419
Volume Left	21	0	5
Volume Right	24	5	0
cSH	572	1700	1331
Volume to Capacity	0.08	0.13	0.00
Queue Length 95th (ft)	6	0	0
Control Delay (s)	11.8	0.0	0.1
Lane LOS	B		A
Approach Delay (s)	11.8	0.0	0.1
Approach LOS	B		

Intersection Summary			
Average Delay		0.8	
Intersection Capacity Utilization		34.1%	ICU Level of Service A
Analysis Period (min)		15	

AWD = 10.6 sec. / LOS B

HCM Unsignalized Intersection Capacity Analysis  
 2: MORNINGSIDE DRIVE & U.S. 101 NB OFF RAMP

EXISTING+PROJECT\_A.M.  
 3/23/2015



Movement	WBL	WBR	NBT	NBR	SBL	SBT
Lane Configurations						
Volume (veh/h)	2	10	189	8	13	442
Sign Control	Stop		Free			Free
Grade	0%		0%			0%
Peak Hour Factor	0.95	0.95	0.95	0.95	0.95	0.95
Hourly flow rate (vph)	2	11	199	8	14	465
Pedestrians						
Lane Width (ft)						
Walking Speed (ft/s)						
Percent Blockage						
Right turn flare (veh)						
Median type			None			None
Median storage (veh)						
Upstream signal (ft)						
pX, platoon unblocked						
vC, conflicting volume	696	203			207	
vC1, stage 1 conf vol						
vC2, stage 2 conf vol						
vCu, unblocked vol	696	203			207	
tC, single (s)	6.4	6.2			4.1	
tC, 2 stage (s)						
tF (s)	3.5	3.3			2.2	
p0 queue free %	99	99			99	
cM capacity (veh/h)	401	832			1352	

Direction, Lane #	WB 1	NB 1	SB 1
Volume Total	13	207	479
Volume Left	2	0	14
Volume Right	11	8	0
cSH	706	1700	1352
Volume to Capacity	0.02	0.12	0.01
Queue Length 95th (ft)	1	0	1
Control Delay (s)	10.2	0.0	0.3
Lane LOS	B		A
Approach Delay (s)	10.2	0.0	0.3
Approach LOS	B		

Intersection Summary			
Average Delay		0.4	
Intersection Capacity Utilization		43.7%	ICU Level of Service A
Analysis Period (min)		15	

AWD = 5.1 SEC. / LOS A

HCM Unsignalized Intersection Capacity Analysis  
 2: MORNINGSIDE DRIVE & US 101 NB OFF RAMP

EXISTING+PROJECT\_P.M.  
 3/23/2015



Movement	WBL	WBR	NBT	NBR	SBL	SBT
Lane Configurations						
Volume (veh/h)	19	20	188	4	5	352
Sign Control	Stop		Free			Free
Grade	0%		0%			0%
Peak Hour Factor	0.85	0.85	0.85	0.85	0.85	0.85
Hourly flow rate (vph)	22	24	221	5	6	414
Pedestrians						
Lane Width (ft)						
Walking Speed (ft/s)						
Percent Blockage						
Right turn flare (veh)						
Median type			None			None
Median storage (veh)						
Upstream signal (ft)						
pX, platoon unblocked						
vC, conflicting volume	649	224			226	
vC1, stage 1 conf vol						
vC2, stage 2 conf vol						
vCu, unblocked vol	649	224			226	
tC, single (s)	6.4	6.2			4.1	
tC, 2 stage (s)						
tF (s)	3.5	3.3			2.2	
p0 queue free %	95	97			100	
cM capacity (veh/h)	429	811			1331	

Direction, Lane #	WB 1	NB 1	SB 1
Volume Total	46	226	420
Volume Left	22	0	6
Volume Right	24	5	0
cSH	566	1700	1331
Volume to Capacity	0.08	0.13	0.00
Queue Length 95th (ft)	7	0	0
Control Delay (s)	11.9	0.0	0.2
Lane LOS	B		A
Approach Delay (s)	11.9	0.0	0.2
Approach LOS	B		

Intersection Summary			
Average Delay		0.9	
Intersection Capacity Utilization		35.0%	ICU Level of Service A
Analysis Period (min)		15	

AWD = 10.6 SEC. / LOS B

HCM Unsignalized Intersection Capacity Analysis  
 2: MORNINGSIDE DRIVE & U.S. 101 NB OFF RAMP

CUMULATIVE\_A.M.  
 3/23/2015



Movement	WBL	WBR	NBT	NBR	SBL	SBT
Lane Configurations						
Volume (veh/h)	6	19	279	12	21	452
Sign Control	Stop		Free			Free
Grade	0%		0%			0%
Peak Hour Factor	0.95	0.95	0.95	0.95	0.95	0.95
Hourly flow rate (vph)	6	20	294	13	22	476
Pedestrians						
Lane Width (ft)						
Walking Speed (ft/s)						
Percent Blockage						
Right turn flare (veh)						
Median type			None			None
Median storage (veh)						
Upstream signal (ft)						
pX, platoon unblocked						
vC, conflicting volume	820	300			306	
vC1, stage 1 conf vol						
vC2, stage 2 conf vol						
vCu, unblocked vol	820	300			306	
tC, single (s)	6.4	6.2			4.1	
tC, 2 stage (s)						
tF (s)	3.5	3.3			2.2	
p0 queue free %	98	97			98	
cM capacity (veh/h)	336	735			1243	

Direction, Lane #	WB 1	NB 1	SB 1
Volume Total	26	306	498
Volume Left	6	0	22
Volume Right	20	13	0
cSH	572	1700	1243
Volume to Capacity	0.05	0.18	0.02
Queue Length 95th (ft)	4	0	1
Control Delay (s)	11.6	0.0	0.5
Lane LOS	B		A
Approach Delay (s)	11.6	0.0	0.5
Approach LOS	B		

Intersection Summary			
Average Delay		0.7	
Intersection Capacity Utilization		50.9%	ICU Level of Service A
Analysis Period (min)		15	

AWD = 6.5 SEC / LOS A

HCM Unsignalized Intersection Capacity Analysis  
 2: MORNINGSIDE DRIVE & US 101 NB OFF RAMP

CUMULATIVE\_P.M.  
 3/23/2015



Movement	WBL	WBR	NBT	NBR	SBL	SBT
Lane Configurations	Y		↑			↑
Volume (veh/h)	23	29	278	7	11	367
Sign Control	Stop		Free			Free
Grade	0%		0%			0%
Peak Hour Factor	0.85	0.85	0.85	0.85	0.85	0.85
Hourly flow rate (vph)	27	34	327	8	13	432
Pedestrians						
Lane Width (ft)						
Walking Speed (ft/s)						
Percent Blockage						
Right turn flare (veh)						
Median type			None			None
Median storage (veh)						
Upstream signal (ft)						
pX, platoon unblocked						
vC, conflicting volume	789	331			335	
vC1, stage 1 conf vol						
vC2, stage 2 conf vol						
vCu, unblocked vol	789	331			335	
tC, single (s)	6.4	6.2			4.1	
tC, 2 stage (s)						
tF (s)	3.5	3.3			2.2	
p0 queue free %	92	95			99	
cM capacity (veh/h)	353	706			1213	

Direction, Lane #	WB 1	NB 1	SB 1
Volume Total	61	335	445
Volume Left	27	0	13
Volume Right	34	8	0
cSH	489	1700	1213
Volume to Capacity	0.12	0.20	0.01
Queue Length 95th (ft)	11	0	1
Control Delay (s)	13.4	0.0	0.3
Lane LOS	B		A
Approach Delay (s)	13.4	0.0	0.3
Approach LOS	B		

Intersection Summary			
Average Delay		1.2	
Intersection Capacity Utilization		41.4%	ICU Level of Service A
Analysis Period (min)		15	

AWD = 11.1 SEC. / LOS B



HCM Unsignalized Intersection Capacity Analysis  
 2: MORNINGSIDE DRIVE & U.S. 101 NB OFF RAMP

CUMULATIVE+PROJECT\_A.M.  
 3/23/2015



Movement	WBL	WBR	NBT	NBR	SBL	SBT
Lane Configurations						
Volume (veh/h)	7	19	279	12	22	452
Sign Control	Stop		Free			Free
Grade	0%		0%			0%
Peak Hour Factor	0.95	0.95	0.95	0.95	0.95	0.95
Hourly flow rate (vph)	7	20	294	13	23	476
Pedestrians						
Lane Width (ft)						
Walking Speed (ft/s)						
Percent Blockage						
Right turn flare (veh)						
Median type			None			None
Median storage (veh)						
Upstream signal (ft)						
pX, platoon unblocked						
vC, conflicting volume	822	300			306	
vC1, stage 1 conf vol						
vC2, stage 2 conf vol						
vCu, unblocked vol	822	300			306	
tC, single (s)	6.4	6.2			4.1	
tC, 2 stage (s)						
tF (s)	3.5	3.3			2.2	
p0 queue free %	98	97			98	
cM capacity (veh/h)	335	735			1243	

Direction, Lane #	WB 1	NB 1	SB 1
Volume Total	27	306	499
Volume Left	7	0	23
Volume Right	20	13	0
cSH	556	1700	1243
Volume to Capacity	0.05	0.18	0.02
Queue Length 95th (ft)	4	0	1
Control Delay (s)	11.8	0.0	0.6
Lane LOS	B		A
Approach Delay (s)	11.8	0.0	0.6
Approach LOS	B		

Intersection Summary			
Average Delay		0.7	
Intersection Capacity Utilization		51.7%	ICU Level of Service A
Analysis Period (min)		15	

*AWD = 6.6 sec./LOS A*

HCM Unsignalized Intersection Capacity Analysis  
 2: MORNINGSIDE DRIVE & US 101 NB OFF RAMP

CUMULATIVE+PROJECT\_P.M.  
 3/23/2015



Movement	WBL	WBR	NBT	NBR	SBL	SBT
Lane Configurations						
Volume (veh/h)	24	29	278	7	12	367
Sign Control	Stop		Free			Free
Grade	0%		0%			0%
Peak Hour Factor	0.85	0.85	0.85	0.85	0.85	0.85
Hourly flow rate (vph)	28	34	327	8	14	432
Pedestrians						
Lane Width (ft)						
Walking Speed (ft/s)						
Percent Blockage						
Right turn flare (veh)						
Median type			None			None
Median storage (veh)						
Upstream signal (ft)						
pX, platoon unblocked						
vC, conflicting volume	791	331			335	
vC1, stage 1 conf vol						
vC2, stage 2 conf vol						
vCu, unblocked vol	791	331			335	
tC, single (s)	6.4	6.2			4.1	
tC, 2 stage (s)						
tF (s)	3.5	3.3			2.2	
p0 queue free %	92	95			99	
cM capacity (veh/h)	351	706			1213	

Direction, Lane #	WB 1	NB 1	SB 1
Volume Total	62	335	446
Volume Left	28	0	14
Volume Right	34	8	0
cSH	485	1700	1213
Volume to Capacity	0.13	0.20	0.01
Queue Length 95th (ft)	11	0	1
Control Delay (s)	13.5	0.0	0.4
Lane LOS	B		A
Approach Delay (s)	13.5	0.0	0.4
Approach LOS	B		

Intersection Summary			
Average Delay		1.2	
Intersection Capacity Utilization		42.3%	ICU Level of Service A
Analysis Period (min)		15	

AWD = 11.1 SEC. / LOS B

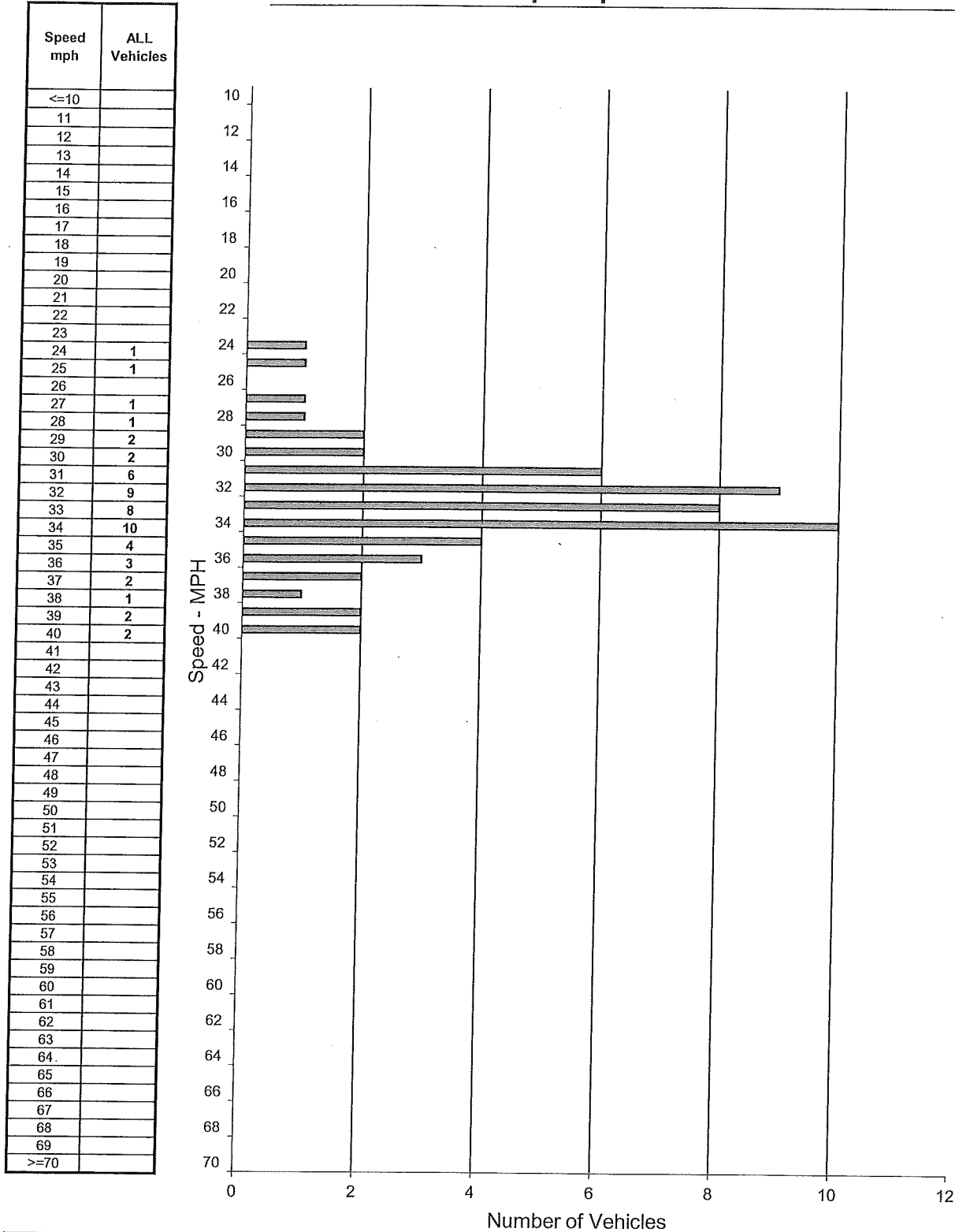
# Spot Speed Study

Prepared by: Associated Transportation Engineers

DATE: 3/10/2015  
DAY: Tuesday

Location: U.S. 101 NB On-Ramp/Santa Maria Way @ Morningside Drive  
Posted Speed: N/A Project #: 15012

## Spot Speeds



SPEED PARAMETERS										
Class	Count	Average Speed	Range	50th Percentile	85th Percentile	10 MPH Pace	# in Pace	Percent in Pace	# / % Below Pace	# / % Above Pace
ALL	55	33.1	24 - 40	33 mph	36 mph	28 - 37	47	85%	5% / 3	10% / 5

# Spot Speed Study

Prepared by: Associated Transportation Engineers

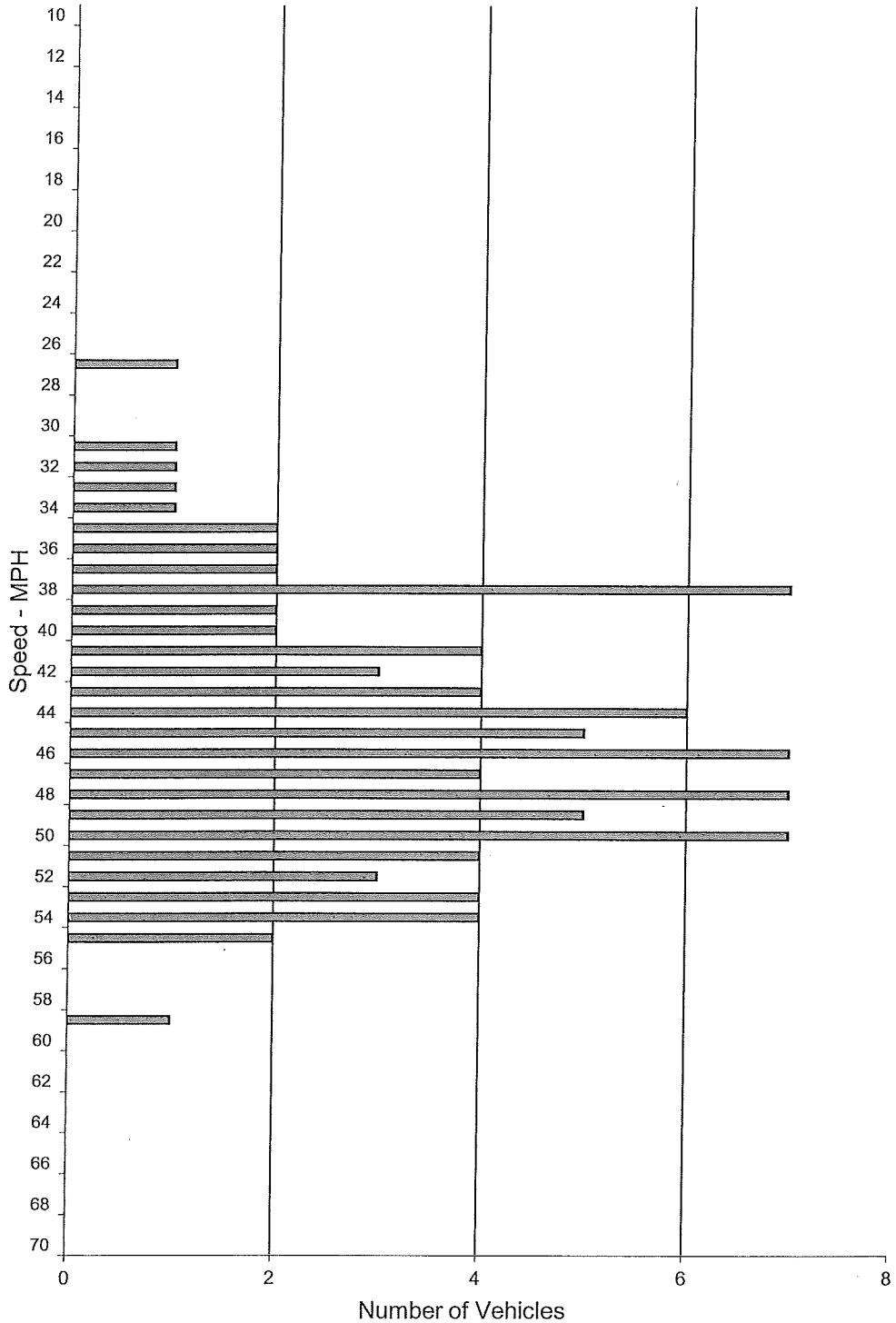
DATE: 3/10/2015  
DAY: Tuesday

Location: U.S. 101 NB Off-Ramps @ Morningside Drive  
Posted Speed: N/A

Project #: 15012

## Spot Speeds

Speed mph	ALL Vehicles
<=10	
11	
12	
13	
14	
15	
16	
17	
18	
19	
20	
21	
22	
23	
24	
25	
26	
27	1
28	
29	
30	
31	1
32	1
33	1
34	1
35	2
36	2
37	2
38	7
39	2
40	2
41	4
42	3
43	4
44	6
45	5
46	7
47	4
48	7
49	5
50	7
51	4
52	3
53	4
54	4
55	2
56	
57	
58	
59	1
60	
61	
62	
63	
64	
65	
66	
67	
68	
69	
>=70	



SPEED PARAMETERS										
Class	Count	Average Speed	Range	50th Percentile	85th Percentile	10 MPH Pace	# in Pace	Percent in Pace	# / % Below Pace	# / % Above Pace
ALL	92	45.1	27 - 59	46 mph	52 mph	41 - 50	52	57%	23% / 22	20% / 18

**Appendix I**  
**DTSC No Further Action Letter**



**Matthew Rodriguez**  
Secretary for  
Environmental Protection



## Department of Toxic Substances Control

Barbara A. Lee, Director  
8800 Cal Center Drive  
Sacramento, California 95826-3200



**Edmund G. Brown Jr.**  
Governor

March 18, 2015

Mr. Gary Wuitschick  
Director of Support Services  
Santa Maria Joint Union High School District  
2560 Skyway Drive  
Santa Maria, California 93455

APPROVAL OF PRELIMINARY ENVIRONMENTAL ASSESSMENT REPORT,  
SANTA MARIA JOINT UNION HIGH SCHOOL DISTRICT, PROPOSED NEW  
AGRICULTURAL EDUCATION CENTER AND CAREER TECHNICAL EDUCATION  
CENTER, 1280 FOUNDERS AVENUE, SANTA MARIA (SITE CODE 304651)

Dear Mr. Wuitschick:

The Department of Toxic Substances Control (DTSC) reviewed the revised Preliminary Environmental Assessment Report (PEA Report – Padre Associates, Inc., March 9, 2015) received on March 12, 2015. The revised PEA Report adequately addresses DTSC comments on the draft version forwarded in a letter dated February 6, 2015. The PEA Report presents investigation results and conclusions based on a health risk screening evaluation for the site.

In addition, the Santa Maria Joint Union High School District (District) notified DTSC on March 17, 2015 that it has complied with all public review and comment requirements for the PEA Report pursuant to Option A (Education Code section 17213.1, subdivision (a)(6)(A)). The District made the PEA Report available for public review and comment from February 2, 2015 through March 3, 2015 and a public hearing was held on February 10, 2015. No public comments were received regarding the PEA Report.

The 25.32-acre parcel identified by the County of Santa Barbara as Assessor's Parcel Number 107-150-013, is located at 1280 Founders Avenue, Santa Maria, Santa Barbara County, California (Site). The District plans to develop the Site with an Agricultural Education Center and Career Technical Education Center. The schools will be designed to educate 500 students in 17 classrooms, and will include administrative, multi-purpose and classroom buildings, as well as playfields, hard courts, and parking areas. The Site will be provided with potable water through the local water purveyor; however, the Site will utilize a nearby offsite water well for irrigation purposes. The Site is bordered to the north

by agricultural property currently used for the production of blackberries; to the east by agricultural property currently used for the production of strawberries, beyond which is the Greka Oil and Gas Company oil field facility consisting of several oil-gas wells, associated piping, and aboveground storage tanks; to the south by the Santa Maria Elks Rodeo facility; and, to the west by undeveloped/grazing land, beyond which is the Polished Pet Grooming and Kennel facility (commercial business), and U.S. Highway 101.

Since 2006, the Site has been used for strawberry production. Prior to 2006 the Site was used for cattle grazing. A plugged and abandoned former oil-gas well is located on-site. Reportedly, this well produced oil for only four months (January-April) in 1978. The well was then reportedly completed as a water/steam injection well that was in operation from 1978 to 1992. The well was abandoned in 2001. The general scope of work, included in the PEA Workplan, consisted of collection of discrete and/or composite surface and subsurface soil samples, soil vapor samples and groundwater samples for chemical analyses at locations across the Site. Soil samples were chemically analyzed for the presence of chlorinated pesticides (OCPs), total petroleum hydrocarbons (TPH), volatile organic compounds (VOCs), semi-volatile organic compounds (SVOCs), polychlorinated biphenyls (PCBs), methane, fixed gasses, and/or metals.

The PEA Report concludes that Site soils present a less than a  $10^{-6}$  ( $1.8 \times 10^{-8}$ ) excess cancer risk and a non-cancer health hazard of less than one (0.0002). Arsenic concentrations ranged from 0.85 to 2.2 milligrams per kilogram (mg/kg) in surface soil samples collected throughout the Site. The concentrations were evaluated both graphically and statistically, and determined to be representative of ambient concentrations. Arsenic was not considered a COPC. Lead concentrations ranged from less than 1.2 to 3.2 mg/kg in surface soil samples collected from the detention basin and subsurface soil samples collected from the approximate location of the former drilling sump. Because lead results for the Site were below concentrations of 80 mg/kg, lead was not considered a COPC. Based on the soil gas results, the cumulative increased cancer risk at the Site from shallow soil vapor was estimated to be  $1.7 \times 10^{-7}$  and to have an estimated health hazard of 0.22.

The Site will be provided with potable water through the local water purveyor; however the Site will utilize a nearby offsite water well for irrigation purposes. A groundwater sample was collected from the offsite water well and chemically analyzed for the presence of TPH, VOCs, OCPs, metals, and nitrates. None of these COPCs were reported at concentrations exceeding their respective California maximum contaminant levels (MCLs). Therefore, further assessment and/or remediation regarding groundwater beneath the Site was determined to be not necessary.

The PEA screening level risk assessment indicates that the Site has not been significantly impacted by agricultural practices or the presence of a former oil well and

drilling sump. Therefore, the recommendation was issuance of a "No Further Action" designation from the DTSC regarding the Site.

Based on review of the PEA Report, neither a release of hazardous material nor the presence of a naturally occurring hazardous material which would pose a threat to public health or the environment under unrestricted land use was indicated at the Site. Therefore, DTSC concurs with the conclusion of the PEA Report that further environmental investigation of the Site is not required and hereby approves the PEA Report.

Chemicals associated with agricultural activities may result in potential risks to human health or the environment. If agricultural activities continue on the subject Site after DTSC issues a no further action determination on the PEA Report, DTSC cannot ensure the no further action determination will remain in effect. This may have impacts for school projects where a District elects to postpone school construction and allow continued agricultural use of the property. The most recent chemical use documentation (i.e., local Agricultural Commissioner Pesticide Application Permits) regarding the quantity and types of agricultural chemicals used on the property was provided in the PEA Workplan. If the type of agricultural chemicals applied to the Site change after DTSC's no further action determination, DTSC recommends that submittal of the chemical use documentation be obtained and preserved for each year of agricultural farming, and provided to DTSC at least three months prior to commencement of grading or other construction activities at the Site. DTSC will review the information, and if necessary, may recommend additional sample collection and analyses to assess potential impacts to human health and the environment.

Pursuant to Education Code section 17213.2, subdivision (e), if a previously unidentified release or threatened release of a hazardous material or the presence of a naturally occurring hazardous material is discovered anytime during construction at the Site, the District shall cease all construction activities at the Site and notify DTSC. Additional assessment, investigation or cleanup may be required.

If you have any questions regarding the project, please contact Mr. Jose Luevano, DTSC Project Manager at (916) 255-3577 or via e-mail at [Jose.Luevano@dtsc.ca.gov](mailto:Jose.Luevano@dtsc.ca.gov) or myself at (916) 255-3732 or via e-mail at [Jose.Salcedo@dtsc.ca.gov](mailto:Jose.Salcedo@dtsc.ca.gov).

Sincerely,



Jose Salcedo, P.E., Chief  
Northern California Schools Unit  
Brownfields and Environmental Restoration Program



Mr. Gary Wuitschick  
March 18, 2015  
Page 4

cc: (via e-mail)

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School Facilities Planning Division  
California Department of Education  
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