APPENDIX I

REFINED TEJON ECONOMIC AND COMMUNITY IMPACT ANALYSIS

Economic & Community Impact Analysis, Tejon Indian Tribe,

Kern County, CA

Prepared for:

Analytical Environmental Services

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Tejon Economic & Community Impact Analysis

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INTRODUCTION

This analysis assesses the socio-economic impacts of the construction and operation of a proposed casino development in Kern County, California by the Tejon Indian Tribe ("Tribe"). The report addresses the following three development and site options:

A1) the Preferred program at the Mettler Site: 166,500 square foot casino, 400-room hotel with spa, fitness center and pool, surface and structured parking, food and beverage options, retail shop, and entertainment venue;

A2) a Reduced Intensity alternative at the Mettler Site: 147,000-square foot casino, 300-room hotel with fitness center and pool, surface parking, and reduced square footage for food and beverage, retail shop, and entertainment venue; and

B) the Preferred program at the Maricopa Highway Site. The same building program as A1.

The two alternative sites are located less than a five-minute drive from one another. Therefore, there exists no material difference in socio-economic impact between A1 and B.

The economic impact analysis is based on results in The Innovation Group's gaming market assessment located in the first portions of this report. For operating impacts, the Innovation Group's internal models were utilized. Construction cost estimates provided by the Tribe were used to establish the one-time impact of construction activities.

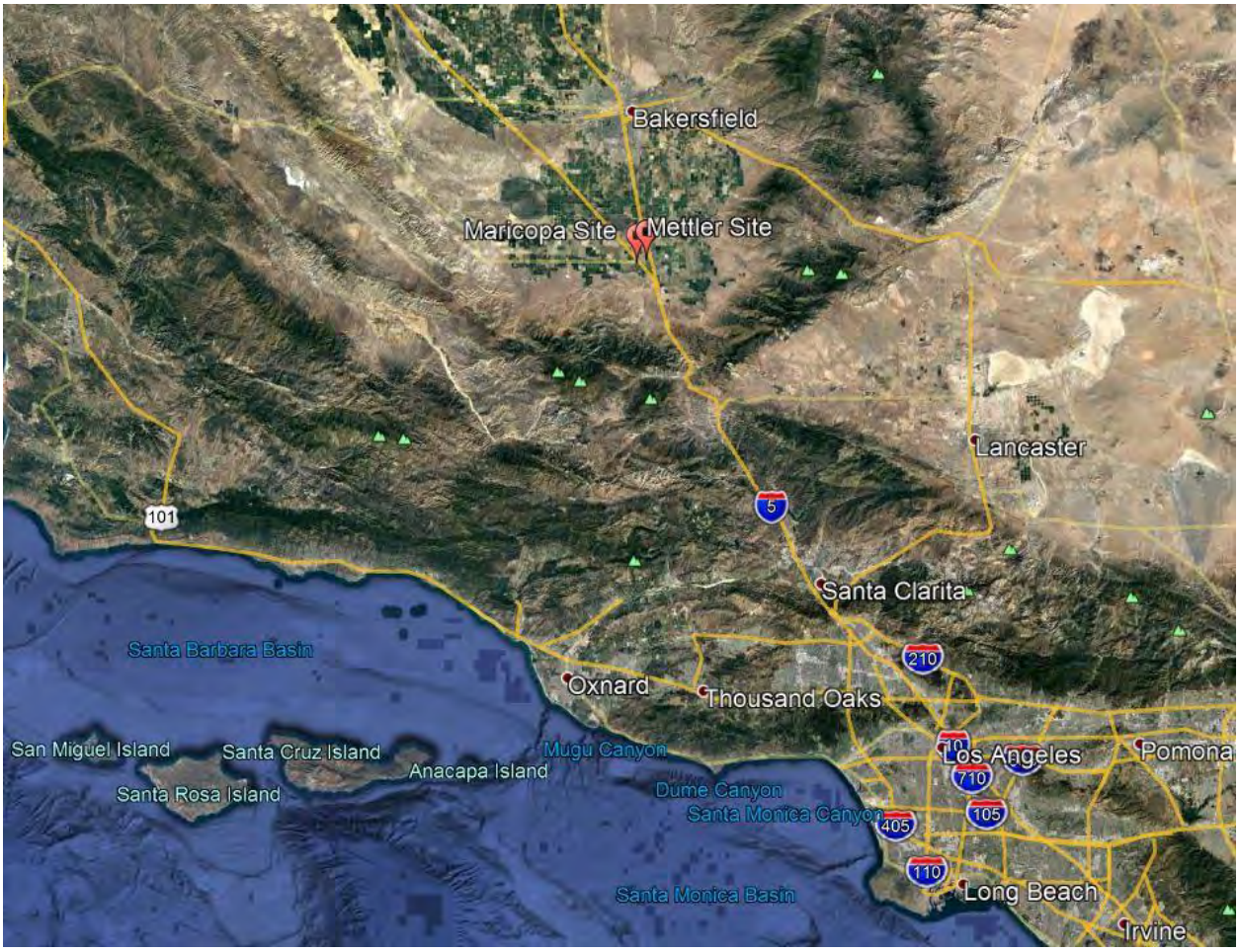
General Assumptions

In evaluating prospective gaming and ancillary revenues, the following assumptions were made:

- The facility is expected to open by 2023, with its first full year of operations in 2024;
- No major economic downturn will be experienced in the region during the timeframe of this report;
- The gaming environment in Southern California will not vary substantially from what currently exists.

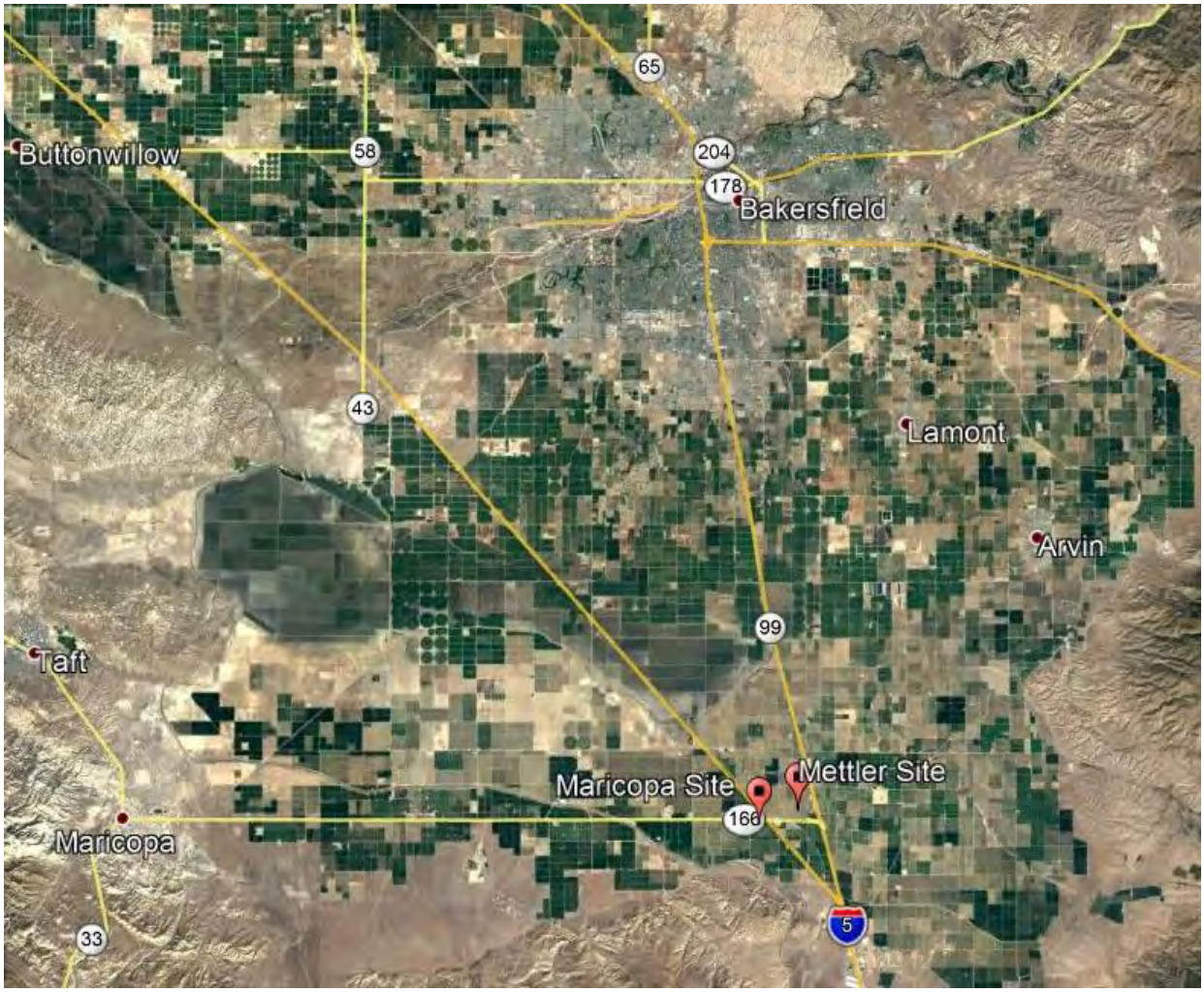
Site Analysis

The two proposed project sites are and less than a five-minute drive from one another (approximately one mile straight line). Given their proximity, the same market carve was used for the purpose of this analysis. The first site (Mettler Site) is located near the small unincorporated area named Mettler, while the other site (Maricopa Site) on the opposite side of Interstate 5 towards the town of Maricopa. Both sites are located in the western portion of Kern County, California. These locations are directly south of Bakersfield. Kern County is considered the southern end of California's Central Valley and is known primarily as an agricultural area and for petroleum extraction. These locations are easily accessed by way of Interstate-5, and both sites are located near the I-5/Highway 99 (Golden State Highway) split.



The proposed project sites are in rural/agricultural areas near the Highway 99 and Interstate 5 juncture, giving these sites convenient accessibility from Exit 3 on Highway 99 and Exit 225 on I-5. State Route 166, known locally as Maricopa Highway, starts near Mettler and continues all the way west to Santa Maria. Highway 99 also starts near the proposed sites and is a major thoroughfare that extends 130 miles north of Sacramento. I-5 is a major interstate that runs the

length of California and connects the major cities of San Diego, Los Angeles, Sacramento and has highway connections to San Francisco and Oakland.



The proposed project sites are currently comprised of agricultural land with little development in the immediate area. Closest to the Mettler site is central Mettler, which is a mixture of housing, travel plazas, and a restaurant named Tequila's Grill. The Maricopa site has even less commerce nearby with just a Chevron gas station located across Highway 166.

The Maricopa site is directly across Interstate-5 from the proposed Mettler project site.

The following site plans show the three options: 1) the Preferred proposed project at Mettler (A1); 2) a Reduced Intensity alternative at Mettler (A2); and a Preferred program at the alternative, Maricopa Highway site (B). The preferred projects consist of a 166,500 square foot casino floor, 73,300 square feet of restaurant space, 226,000 square feet of hotel space (400 rooms), 173,000 square feet of entertainment/retail/mixed-use space, 77,000 square feet of Back of House space, and adjacent parking lots and garage for up to 4,500 vehicles.

The reduced intensity alternative (A2) is located at the Mettler site, and has similar amenities but with reduced size. The casino space is reduced to 147,000-square feet, the hotel is reduced to 177,500 square feet (300 rooms), and entertainment/retail/mixed-use space is reduced to 113,200 square feet. The Back of House space also sees a reduction under this alternative to 58,000 square feet and total parking comes to 3,600 spaces.

All three alternatives also have a future mixed-use development phase that includes a residential development component, health center, administrative offices, park and other amenities. Because the timing of this second phase is currently unknown, the socio-economic impacts related thereto have not been analyzed in this report.

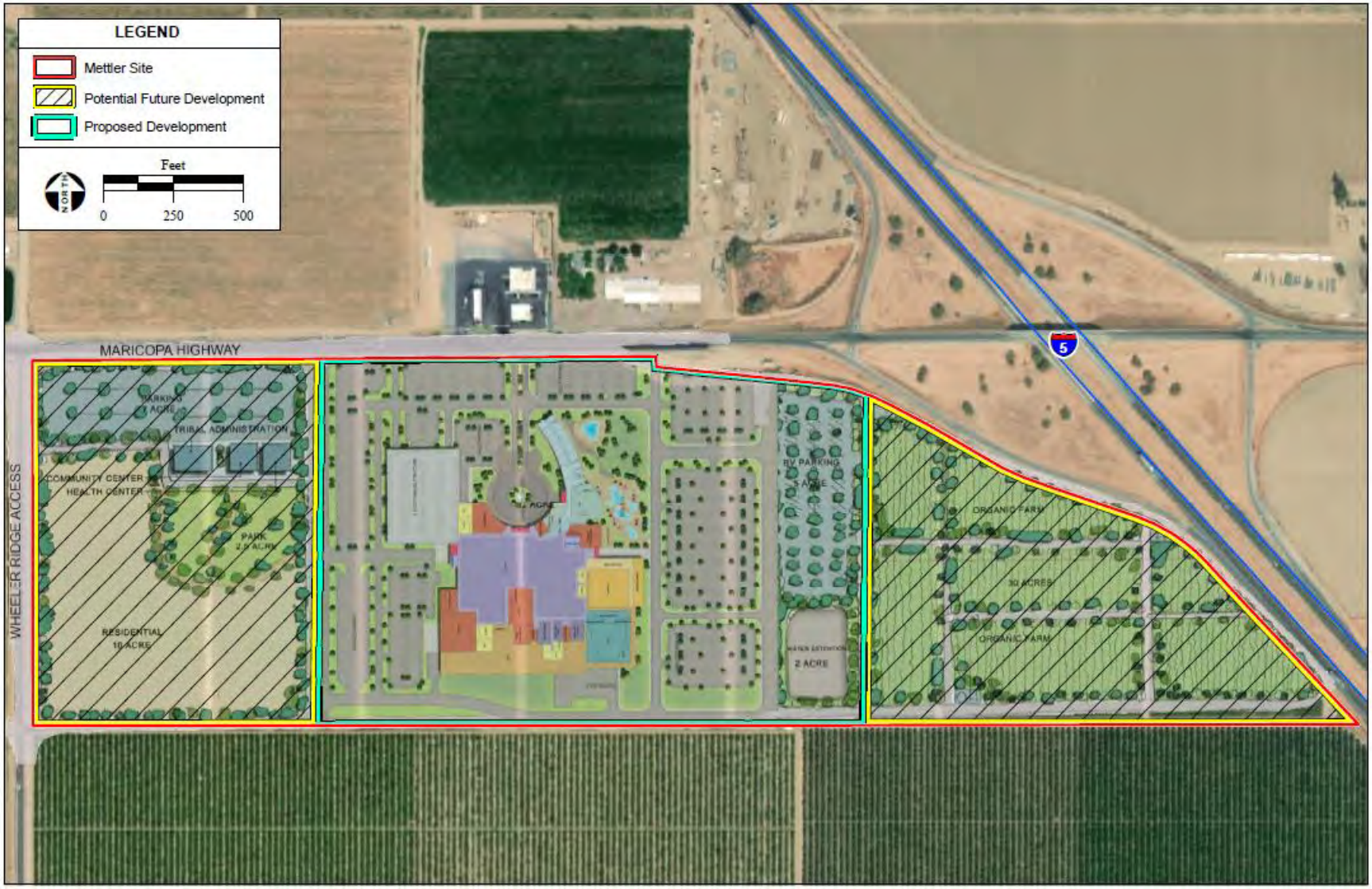
Preferred Project at Mettler Site

The following two graphics show the difference between Alternatives A1 and A2 on the Mettler site.

Preferred Project at Mettler Site- Alternative A1

Reduced Intensity Project at Mettler Site- Alternative A2

Project at Maricopa Site- Alternative B



REGIONAL CASINO SUPPLY

The Tejon Indian Tribe will compete with other Native American gaming facilities in California. The following section presents the legislative background including the various compacts in the state, as well as the competitive landscape in southern California.

Commercial card rooms also operate in California, but there are only four card rooms that operate in Kern County. Commercial card rooms are not permitted to offer slot machines or house-banked card games. The closest card rooms to the subject site are in Bakersfield and Rosamond.

Legislative Background of Tribal Gaming in California

Native American gaming in the United States commenced as a result of the National Indian Gaming Regulatory Act (IGRA), which was passed by the U.S. Congress in 1988. It was lead in part due to work from the Cabazon Band of Mission Indians in their break through case known as the Cabazon Decision of 1987. It effectively overturned the existing gaming laws regarding Indian reservations in the U.S. The IGRA provides for a system of joint regulation of Class II gaming on Indian lands by tribes and the Federal Government and establishes a system for compacts between tribes and states concerning the regulation of Class III gaming. By law, Class II gaming is defined as (1) bingo or lotto, whether or not electronic, computer or other technological aids are used; (2) pull-tabs, punch-boards, tip jars, instant bingo, and other similar games if played in the same location as bingo or lotto; (3) non-banking card games that a) state law explicitly authorizes, or does not explicitly prohibit, and are played legally anywhere in the state, and b) players play in conformity with state laws and regulations concerning hours, periods of operation, and limitations on wagers and pot sizes; (4) or other Class II gaming facilities in operation prior to 1988. By default, Class III gaming is defined as gaming activities that are not Class I or II, or those generally referred to as house-banked, which include Vegas-style games such as blackjack, roulette, craps and video lottery terminals, or slot machines.

IGRA established a process of compact negotiation between federally recognized tribes and state governments, which precedes casino development. States have the right to place limitations on the number and type of games as well as the location of casinos (off or on reservation land) and the selling and consumption of alcohol. Class II operations do not require a compact for negotiation and usually consist of bingo halls and non-house-banked gaming devices.

Class III tribal gaming can vary by state, depending upon the results of compact negotiation between federally recognized tribes and individual governors. Some states execute compacts that restrict the games casinos can offer, number or size, as well as tax payment agreements and compact expiration dates.

Existing Properties

The proposed Tejon development would derive visitation from population centers in Southern and Central California. As the following table shows, only two of the tribal casinos in Southern and Central California are within a two-hour drive from the proposed Tejon sites.

Table 1: Southern and Central California Tribal Casinos

Company	Location	Slots	Tables	Positions	Hotel Rooms	F&B Outlets	Meeting Space	Enter-tainment	Distance (Min)
Tachi Palace Hotel & Casino	Lemoore	2,000	31	2,186	255	7	Yes	Yes	105
Eagle Mountain Casino	Porterville	1,300	10	1,360	0	4	No	Yes	106
San Manuel Casino	Highland	3,400	8	3,448	0	9	No	Yes	144
Chumash Casino Resort	Santa Ynez	2,300	44	2,564	320	5	Yes	Yes	147
Table Mountain Casino	Friant	2,000	50	2,300	0	3	No	Yes	151
Chukchansi Gold	Coarsegold	1,800	22	1,932	220	7	No	Yes	159
Mono Wind Casino	Auberry	300	0	300	0	1	No	No	169
Morongo Casino Resort	Cabazon	2,888	75	3,338	310	11	Yes	Yes	170
Soboba Casino	San Jacinto	2,000	20	2,120	0	2	No	Yes	182
Pechanga Resort & Casino	Temecula	3,800	132	4,592	517	15	Yes	Yes	188
Agua Caliente Casino Resort	Rancho Mirage	1,400	38	1,628	340	6	Yes	Yes	188
Spa Resort Casino	Palm Springs	1,000	40	1,240	228	5	Yes	Yes	190
Winnedumah Winn's Casino	Independence	100	0	100	0	1	No	No	191
Pala Casino	Pala	2,000	87	2,522	507	11	Yes	Yes	199
Fantasy Springs Resort	Indio	2,000	40	2,240	250	11	Yes	Yes	205
Spotlight 29 Casino	Coachella	1,600	24	1,744	0	6	No	Yes	206
Casino Pauma	Pauma Valley	1,000	21	1,126	0	6	No	Yes	208
Harrah's Resort S. California	Valley Center	1,700	59	2,054	1,065	12	Yes	Yes	213
Augustine Casino	Coachella	804	10	864	0	2	No	No	214
Valley View Casino & Hotel	Valley Center	2,000	21	2,126	108	9	No	No	218
Cahuilla Casino	Anza	350	0	350	0	1	No	Yes	220
Paiute Palace Casino	Bishop	345	6	381	0	4	No	Yes	232
Tortoise Rock Casino	29 Palms	490	7	532	0	2	No	Yes	232
Red Earth Casino	Thermal	350	0	350	0	1	No	No	235
Chicken Ranch Casino	Jamestown	349	0	349	0	1	No	No	239
Black Oak Casino & Hotel	Tuolumne	1,300	26	1456	148	7	Yes	Yes	258
Total		38,576	771	43,202	4,268	149			

Source: Casino Websites; CasinoCity.com; The Innovation Group

The Innovation Group also examined the cardrooms in the Southern and Central California gaming market. Cardrooms have been in place for decades and are restricted by California law to players' pool wagering (i.e., they are technically prohibited from offering house-banked games). They provide card players a locally convenient venue to play poker and other card games, and the presence of cardrooms in cities tends to suppress table game revenue at tribal casinos. Most of

these cardrooms are extremely small with limited amenity offerings; however, there are a few in Los Angeles and Fresno that are quite large and even offer overnight accommodations.

Table 2: Southern and Central California Cardrooms

Name	Location	Table Count	Hotel Rooms	F&B Outlets	Meeting Space	Entertainment
La Fuerza	Woodlake	2	0	0	No	No
Sundowner Cardroom	Visalia	2	0	0	No	No
The Aviator Casino	Delano	12	0	1	No	No
The Deuce Lounge & Casino	Visalia	5	0	0	No	No
Golden West Casino	Bakersfield	45	0	1	No	No
Oasis Cardroom	Ridgecrest	3	0	0	No	No
Club One Casino	Fresno	51	0	2	No	No
500 Club	Clovis	12	0	1	No	No
Diamond Jim's Casino	Rosamond	30	0	2	No	No
Players Casino	Ventura	22	0	1	No	No
Central Coast Casino- Grover Beach	Grover Beach	4	0	1	No	No
Outlaws Card Parlour	Atascadero	4	0	1	No	No
Paso Robles Casino	Paso Robles	6	0	0	No	No
Commerce Casino	Commerce	270	200	7	Yes	Yes
The Bicycle Hotel & Casino	Bell Gardens	185	99	5	Yes	Yes
Crystal Casino	Compton	42	126	2	No	No
Hollywood Park Casino	Inglewood	120	0	3	No	No
Hawaiian Gardens Casino	Hawaiian Gardens	225	0	1	No	No
Larry Flynt's Lucky Lady Casino	Gardena	60	0	2	No	No
Ocean's Eleven Casino	Oceanside	50	0	1	No	No
Hustler Casino	Gardena	91	0	2	No	Yes
Lake Elsinore Casino	Lake Elsinore	22	93	2	No	No

Source: Casino Websites; CasinoCity.com; The Innovation Group

Only two cardrooms listed above are considered within the Tejon market (within one hour): the Aviator in Delano and Golden West in Bakersfield.

Proposed Casinos

Eagle Mountain Casino Relocation

Eagle Mountain Casino currently has plans to relocate its casino to Porterville. The proposed relocated property will include 1,800 slots and 25 table games, up from its existing 1,300 slots and 10 table games. Additionally, the new property is expected to include a 250-room hotel, at least four food and beverage outlets, an entertainment lounge, a 20,000-square foot convention space, a 1,700-seat entertainment center, and a banquet hall. This relocation has been assumed in the gravity modeling and the Competitive Effects analysis.

Ridgecrest Native American Entertainment & Gaming Facility

The Timbisha Shoshone Tribe, which has a reservation in Death Valley National Park, is proposing a 20,000-square foot casino near the Naval Air Weapons Station China Lake. The proposed site is on east side of China Lake Blvd. between Desert Valleys Credit Union and the Main Gate of the

Naval Station. The property has been proposed to be constructed in two phases and will include 349 slots, 6 tables, meeting space, 4 food and beverage outlets, an entertainment venue, and an 80-room hotel.

Big Sandy Rancheria

The Big Sandy Rancheria has long had plans to open a second casino on a 40-acre site known as the McCabe Allotment. Details on the casino are limited, however the Tribe has stated the proposed casino will be "much larger" than its existing casino.

North Fork Rancheria Resort Hotel & Casino

The North Fork Rancheria of Mono Indians plan to build a casino resort complete with a 200-room hotel, multiple restaurants, an entertainment lounge, retail, and meeting space. The proposed site is near Madera, California. The 305-acre parcel is on Avenue 17 off State Route 99.

Barstow Casino & Resort

The Los Coyotes Band of Cahuilla and Cupeno Indians have proposed a casino resort project in Barstow on a 23-acre parcel adjacent to the Tanger Factory Outlets Mall. The proposed development is expected to include 57,000 square feet of gaming floor space with over 1,000 slots and approximately 60 table games. The proposed development would also include a 100-room hotel, meeting space, and multiple dining and entertainment venues.

Cathedral City Casino

The Agua Caliente Band of Cahuilla Indians plans to build a new "mixed-use entertainment and gaming district" in downtown Cathedral City. The Tribe has plans to acquire a 12.5-acre lot on the northwest corner of East Palm Canyon Drive and Date Palm Drive. Specific plans for development site are still unidentified at this point.

Of these proposed developments, only the Eagle Mountain relocation project falls within the defined Tejon market area and therefore has been included in the analysis.

GAMING MARKET ANALYSIS

The Innovation Group conducted a Gaming Market Assessment for the Tejon casino alternatives in Kern County, CA using a complex drive-time gravity model. The assessment estimates gamer visits and resulting gaming revenue, as well as "win per visit" and "win per position" per day for the facility. Given that the Alternative Site ("Maricopa Site") is less than five minutes from the Mettler Site, there would be no material difference in gaming potential or socio-economic impacts.

Methodology

In developing this analysis, a gravity model was employed. Gravity models are commonly used in location studies for commercial developments, public facilities and residential developments. First formulated in 1929 and later refined in the 1940s, the gravity model is an analytical tool that defines the behavior of a population based on travel distance and the availability of goods or services at various locations. The general form of the equation is that attraction is directly related to a measure of availability such as square feet and inversely related to the square of the travel distance. Thus, the gravity model quantifies the effect of distance on the behavior of a potential patron and considers the impact of competing venues.

The basic formulation is that the interaction between two or more gaming venues is based on Newton's Law of Universal Gravitation: two bodies in the universe attract each other in proportion to the product of their "masses" – here, gaming positions – and inversely as the square distance between them. Thus, expected interaction between gaming venue i and market area j is shown as:

$$k \times \frac{N_i \times P_j}{d_{ij}^2}$$

where N_i = the number of gaming positions in gaming venue i, P_j = the population (21+) in market area j, d_{ij} = the distance between market area j and gaming venue i, and k = an attraction factor relating to the quality and amenities to be found at each gaming venue in comparison to the competing set of venues. When this formulation is applied to each gaming venue gaming trips generated from any given zip code are then distributed among all the competing venues.

The gravity model included the identification of 12 discrete market areas based on drive times and other geographic features and the competitive environment. Using our GIS software and CLARITAS database[1], the adult population (21 and over), latitude and longitude, and average household income is collected for each zip code.

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[1]The GIS software used was MapInfo. This software allows for custom data generally in a tabular format with a geographic identification code (census tract, zip code, latitude and longitude, or similar identifier) to be mapped or displayed and integrated with other geographic census based information such as location of specific population or roadways. MapInfo is one of the most widely used programs in the geographic information systems industry. Nielsen Claritas (which has been purchased by Environics Analytics) is a vendor of demographic information located in the United States. Nielsen Claritas provides census demographic and psychographic data on a variety of

Each of these market areas is assigned a unique set of propensity and frequency factors. Gamer visits are then generated from zip codes within each of the areas based on these factors. The gamer visits thus generated are then distributed among the competitors based upon the size of each facility, its attractiveness and the relative distance from the zip code in question. The gravity model then calculates the probabilistic distribution of gamer visits from each market area to each of the gaming locations in the market.

Each travel distance/time is evaluated to determine the likely alternative gaming choices for residents of the region. The model is constructed to include only those alternative venues that are considered to be within a reasonable travel time. These include competing casinos that have the potential to attract patrons from the market. Travel distances and time have been developed through use of our GIS system.

The following section provides a description and definition of the various components of the model.

Gamer Visits

This measure is used to specify the number of patron trips to a gaming market, where an individual can make any number of separate visits in the course of a year. In order to estimate the gamer visits, market penetration rates, made up of the separate measures of propensity and frequency, are applied to the adult population in each zip code. A gamer visit can include more than one visit to a casino.

Propensity

Propensity measures the percentage of adults who will participate in casino gaming within the zip code. This varies based upon a number of factors, which includes the number of gaming venues, their type (i.e. landbased versus cruising riverboat versus dockside riverboat), games permitted, availability of other entertainment and leisure options, and most importantly distance from a gaming venue. Propensity in the inner market areas from 0-50 miles can vary between the high thirty per cent range in a single cruising riverboat market to the fifty percent range, or more, for multiple land based casinos with a well-developed array of amenities.

Frequency

This measures the average number of visits that an adult will make annually to casinos in the subject market. Frequency is a function of annual gaming budget as indicated by income variations, the number of venues in the market, the type of gaming facility and most importantly distance from a gaming venue.

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geographic levels of detail ranging from census block groups and counties to postal zip codes. Their information is updated every six months and includes a current year estimate and provides a five year forecast for the future. The Innovation Group has utilized this data for inputs to its models for the last six years and has purchased full access to their demographic database for the entire United States.

MPI (Market Potential Index)

Propensity also varies as a function of each market's average market potential index (MPI) score. MPI scores are generated by Simmons Survey, a respected consumer research firm that conducts a nationwide survey of consumer behavior, including propensity to gamble at a casino. This score is an indication of the degree of likelihood that a person will participate in gaming based upon their lifestyle type. The MPI score inflates or discounts the participation rate of each zip code. For example, if a market area has an overall participation rate of 4.0 (propensity of 40% times frequency of 10), an MPI score of 120 for a particular zip code would effectively inflate the participation rate of that zip code to 4.8 (4.0 times 120%). The overall MPI score for the market area is a weighted average of all the zip codes within the area.

Win per Visit

Win per visit varies not only by gaming jurisdiction, but also in some cases by individual facilities. Normatively, win per visit is a function of distance and income. Gamers traveling greater distances tend to spend more per visit, typically making fewer gamer visits on average.

Attraction Factors

Attraction factors measure the relative attraction of one gaming venue in relation to others in the market. Attraction factors are applied to the size of the gaming venue as measured by the number of positions it has in the market. Positions are defined as the number of gaming machines plus the number of seats at gaming tables. A normative attraction factor would be one. When this is applied to the number of positions in a gaming venue there is no change in the size of the gaming venue as calculated by the model and hence its attraction to potential patrons. A value of less than one adjusts the size of the gaming venue downwards and conversely a value greater than one indicates that the gaming venue has characteristics that make it more attractive. Attraction factors can be based on a number of components including branding, the level and effectiveness of marketing efforts, and the level of quality and amenities of a facility. Attraction factors are also adjusted to model the presence of natural and man-made boundaries which impact ease of access and convenience of travel in the market area.

The sensitivity of the model to changes in these factors is not in the nature of a direct multiplication. For example, a doubling of the attraction factor will not lead to a doubling of the gamer visits attracted to the site. It will however cause a doubling of the attractive power of the gaming venue, which is then translated via non-linear equations into an increase in the number of gamer visits attracted to the gaming venue. This is based upon the location, size and number of competing gaming venues and their relationship to the market area to which the equation is applied. The variation of these factors is based upon The Innovation Group's experience in developing and applying these models, and consideration of the existing visitation and revenues. The latter represents the calibration of the model and has been accomplished by adjusting attraction factors to force the model to recreate the existing revenues and patron counts. In this case attraction factors have been adjusted for each casino for each market area. This is based upon known visitation patterns.

Market Carve-out

The Tejon market has been carved into 12 distinct market areas, for which different participation rates may be expected depending on the level and location of competition that is present in the market currently and in the future. The following map and table show the market areas and their respective adult population (21 and over) and average household income.

Table 3: Market Area Demographics

	Adult Pop 2018	Adult Pop 2023	CAGR 2018-2023	Average HHI 2018	Average HHI 2023	CAGR 2018-2023
Primary	380,267	402,088	1.1%	$76,221	$85,258	2.3%
Secondary East	59,410	62,591	1.0%	$77,202	$85,617	2.1%
Palmdale	833,210	880,269	1.1%	$104,316	$116,455	2.2%
Santa Clarita	2,798,960	2,913,469	0.8%	$87,938	$99,193	2.4%
Thousand Oaks	1,187,430	1,233,993	0.8%	$129,111	$145,928	2.5%
Los Angeles	5,452,475	5,692,018	0.9%	$92,088	$102,317	2.1%
Secondary West	70,555	75,228	1.3%	$85,117	$97,167	2.7%
Secondary NW	20,640	21,050	0.4%	$107,666	$123,590	2.8%
Lake Isabella	12,783	12,983	0.3%	$53,052	$58,313	1.9%
Porterville	131,075	137,444	1.0%	$59,106	$65,709	2.1%
Tertiary North	248,253	259,436	0.9%	$69,858	$77,142	2.0%
Tertiary NW	56,549	57,952	0.5%	$66,685	$74,831	2.3%
Average/Total	11,251,607	11,748,521	0.9%	$94,192	$105,346	2.3%
State	*28,916,312*	*30,367,124*	*1.0%*	*$103,775*	*$116,503*	*2.3%*
National	*239,003,144*	*249,303,590*	*0.8%*	*$86,278*	*$95,107*	*2.0%*

Source: iXPRESS, Nielsen Claritas, Inc.; MapInfo: The Innovation Group; CAGR=Compound Annual Growth Rate

Tejon Market Area

Calibration

The modeling starts with a base calibration. Inputs are entered into the calibration model to recreate the estimated gaming visits and revenue for a previous 12-month period, in this case November 2017- October 2018. Gaming revenue for competing casinos was estimated based on the Innovation Group's extensive experience in the region, having worked for several of the major competitors in the market.

The following table shows the rates for propensity, frequency, and win per visit (WPV) by market area that were used to re-create the actual conditions in the Base 2018 model. WPV has been varied based on differences between market areas in average household income and travel time.

Table 4: Participation Rates Base 2018

	Propensity	Frequency	WPV
Primary	25.5%	8.0	$82
Secondary East	17.3%	4.4	$85
Palmdale	26.2%	8.3	$87
Santa Clarita	24.9%	7.7	$85
Thousand Oaks	20.8%	5.8	$94
Los Angeles	24.3%	8.1	$85
Secondary West	24.6%	7.6	$84
Secondary NW	24.1%	7.3	$89
Lake Isabella	26.0%	8.2	$77
Porterville	34.3%	12.6	$74
Tertiary North	33.7%	12.3	$77
Tertiary NW	36.0%	13.7	$75

Source: The Innovation Group

The following table shows gravity model gaming visits and revenues for the base calibration. The revenues reflect the total potential gaming revenue from the defined market area in 2018.

Table 5: Gravity Model Base 2018: Total Market

	Gaming Visits	WPV	Revenues (MMs)
Primary	867,813	$82	$71.2
Secondary East	40,623	$85	$3.4
Palmdale	1,931,496	$87	$168.3
Santa Clarita	6,055,736	$85	$511.7
Thousand Oaks	1,521,415	$94	$143.2
Los Angeles	12,249,064	$85	$1,043.8
Secondary West	128,357	$84	$10.8
Secondary NW	33,101	$89	$2.9
Lake Isabella	20,263	$77	$1.6
Porterville	540,167	$74	$40.2
Tertiary North	1,016,105	$77	$77.9
Tertiary NW	248,962	$75	$18.6
Total	24,653,102	$85	$2,093.4

Source: The Innovation Group

The next step in the analysis is to create a base model for 2024 using projected population growth. This forecast represents the baseline against which the impact of adding the subject project will be measured.

Table 6: Gravity Model Base 2024: Total Market

	Gaming Visits
Primary	1,187,030
Secondary East	43,262
Palmdale	2,061,945
Santa Clarita	6,353,193
Thousand Oaks	1,592,968
Los Angeles	12,895,539
Secondary West	177,974
Secondary NW	33,896
Lake Isabella	18,715
Porterville	693,635
Tertiary North	1,070,577
Tertiary NW	256,462
Total	26,385,198

Source: The Innovation Group

Forecast Results

Preferred Program- Alternative A1 & B

As discussed, we developed a comprehensive drive-time gravity model which forecasts local market gamer visits. The gravity model weighs the impact of the Tejon casino based on its size in

terms of gaming positions combined with an attraction factor which measures quality and scope. The additional gaming location would enhance the convenience of gaming for residents in the Primary, Secondary East, and Secondary West market areas, and thus increase their propensity and frequency. There is no substantial difference in the casino development in the preferred program scenarios of A1 and B; therefore, the results in this section apply to both of these alternatives.

The following table shows the participation rates used in the two forecasted scenarios

Table 7: Participation Rates Forecast Alternative A1 & B

	Propensity	Frequency
Primary	35.2%	13.2
Secondary East	25.2%	8.3
Palmdale	26.2%	8.3
Santa Clarita	24.9%	7.7
Thousand Oaks	21.4%	6.1
Los Angeles	24.3%	8.1
Secondary West	32.3%	11.5
Secondary NW	24.1%	7.3
Lake Isabella	25.0%	7.8
Porterville	36.9%	14.2
Tertiary North	33.7%	12.3
Tertiary NW	36.0%	13.7

The gravity model apportions gamer visits based on the travel time between the market segments and the gaming facilities, while considering the size (gaming positions), quality, and scope of each competitor. The model gauges the quality and scope of the competitive set using an attraction factor. The subject property is estimated to capture the majority of its gamer visits from the Primary market area.

Table 8: Gravity Model Forecast Alternative A1 & B

Market Segments	Total Market Gamer Visits	Subject Capture	Subject Gamer Visits
Primary	2,118,721	73.9%	1,565,607
Secondary East	119,383	66.8%	79,745
Palmdale	2,061,945	16.5%	340,698
Santa Clarita	6,353,193	17.3%	1,098,452
Thousand Oaks	1,726,381	18.2%	314,695
Los Angeles	12,895,539	2.8%	362,835
Secondary West	277,769	69.9%	194,120
Secondary NW	33,896	31.7%	10,761
Lake Isabella	18,715	51.0%	9,550
Porterville	693,635	6.6%	45,769
Tertiary North	1,070,577	6.3%	67,793
Tertiary NW	256,462	5.4%	13,868
Total	27,626,218	14.9%	4,103,893

In addition to the local market revenue generated through the gravity model, casinos generate out-of-market revenue. This out-of-market gaming demand represents visits driven by reasons other than proximity of permanent residence, such as tourism, visiting friends and family, seasonal residence, variety of gaming experience, and pass-through traffic intercept. Including capture of out-of-market visits, total visits are estimated at over 4.4 million in the Preferred Program scenarios.

Table 9: Total Gaming Visits Forecast Alternative A1 & B

Local Market	4,103,893
Out-of-market, Traffic & Tourism	313,948
Total	4,417,841

Reduced Impact- Alternative A2

The following table shows the participation rates used in the forecasted reduced impact scenario Alternative A2. With fewer gaming positions and no parking structure or spa, the increases in frequency rates in the Primary, Secondary West and Secondary East market areas would be lower than in Alternative A1.

Table 10: Participation Rates Forecast Alternative A2

	Propensity	Frequency
Primary	35.2%	13.0
Secondary East	25.2%	8.2
Palmdale	26.2%	8.3
Santa Clarita	24.9%	7.7
Thousand Oaks	21.4%	6.0
Los Angeles	24.3%	8.1
Secondary West	32.3%	11.4
Secondary NW	24.1%	7.3
Lake Isabella	25.0%	7.8
Porterville	36.9%	14.2
Tertiary North	33.7%	12.3
Tertiary NW	36.0%	13.7

The gravity model apportions gamer visits based on the travel time between the market segments and the gaming facilities, while considering the size (gaming positions), quality, and scope of each competitor. With fewer gaming positions and no spa or parking structure, the attraction factor for Alternative A2 would be lower. The primary market area would still account for the majority of gamer visits.

Table 11: Gravity Model Forecast Alternative A2

Market Segments	Total Market Gamer Visits	Subject Capture	Subject Gamer Visits
Primary	2,097,534	71.6%	1,502,672
Secondary East	118,189	64.3%	76,027
Palmdale	2,061,945	15.0%	310,265
Santa Clarita	6,353,193	15.7%	997,706
Thousand Oaks	1,709,117	16.5%	282,611
Los Angeles	12,895,539	2.5%	323,416
Secondary West	274,991	67.5%	185,507
Secondary NW	33,896	29.5%	9,985
Lake Isabella	18,715	48.2%	9,012
Porterville	693,635	6.0%	41,275
Tertiary North	1,070,577	5.7%	60,697
Tertiary NW	256,462	4.9%	12,463
Total	27,583,796	13.8%	3,811,636

Including capture of traffic and tourism, total visits are estimated at nearly 4.1 million in Alternative A2.

Table 12: Total Gaming Visits Forecast Alternative A2

Local Market	3,811,636
Out-of-market, Traffic & Tourism	274,438
Total	4,086,073

COMPETITIVE EFFECTS ANALYSIS

Three possible categories of substitution effects would arise from development of the Tejon casino project:

1. The casino's impact on other casinos in the region;
2. The casino's impact on card rooms in the region: and,
3. The casino's impact on local non-gaming businesses.

Impacts on Other Casinos

Based on the results of the gravity model analysis—that is, comparing the Tejon forecast model to the future baseline—the Innovation Group has estimated the impact Tejon would have on other tribal casinos within the two-hour Tejon market area. The table below summarizes the anticipated decline in revenues at the nearest competitive facilities, based on the gravity model comparing the two forecast model results to the future baseline. The largest impacts would be experienced by the nearest casino, the relocated Eagle Mountain casino. These impacts are due to the large capture rate for the subject property of the visits derived from the Bakersfield area within the primary market. However, the analysis estimates that even after the impact of Tejon, gaming revenue at the relocated Eagle Mountain casino would remain higher than at its current location.

Table 13: Substitution Effect on Regional Competitors 2024

	Eagle Mountain Relocated	Tachi Palace
Preferred Program (A1)	-27.8%	-13.7%
Reduced Intensity (A2)	-25.7%	-12.6%

Three tribal casinos that have patron bases in the northern Los Angeles market—roughly from Ventura through the San Fernando Valley and into Pasadena—could potentially experience impacts of approximately 6% in Alternative A1. The three are Chumash, San Manuel, and Morongo. It should be noted this estimate is made without the benefit of data from these three tribal casinos. In the broader market area, our competitive effects analysis estimates that Alternative A1 would have less than a 3% substitution effect on any of the other tribal casinos in the region.

It should be noted that these substitution effects are "but-for" effects, not year-over-year effects. In other words, they are 2024 revenue forecasts measured against a 2024 baseline assuming Tejon does not open. On a year-over-year basis (i.e., 2024 compared to 2023), the declines would be lower since a year's worth of organic growth from population and income growth would be factored in. The impacts would be expected to within the first 12 months of operation of the Tejon casino, after which time organic growth at Eagle Mountain would be expected to resume.

The cardrooms in the Tejon area already compete with tribal casinos; therefore, the incremental impact of Tejon is not expected to be significant. Furthermore, tribal casinos derive nearly all their gaming revenue from house-banked-games, which the cardrooms are not permitted to operate. Therefore, the potential for Tejon to intercept cardroom customers is limited.

Golden West in Bakersfield is the closest casino to the proposed Tejon casino; however, the cardroom will retain a location advantage as being the most convenient option for Bakersfield residents to play non-banked games. The Aviator cardroom is near the proposed Eagle Mountain relocation and therefore would not be expected to be impacted by the Tejon casino. Since cardrooms tend to serve local customers, no other cardrooms in the broader region would be expected to be impacted by Tejon.

Impact on Local Businesses

Casino Impacts: Academic Research

Casino development sometimes elicits concern, which research has dispelled, that substitution of consumer spending (the substitution effect) will impact local businesses, especially smaller "mom and pop" retail, restaurant and entertainment businesses. This argument has its origins in long-ago controversies regarding Atlantic City. Clyde Barrow, Director for the Center of Policy Analysis at the University of Massachusetts Dartmouth, traces the Atlantic City "myth" to a misinformation campaign by the Atlantic City Restaurant and Tavern Association "to win more concessions for its members from the city's casino hotels."[2]

Research by Kathryn Hashimoto and George Fenich found that contrary to a negative impact, casinos in Atlantic City actually reversed a downward trend:

> The number of eating and drinking establishments in Atlantic County was actually declining in the years *prior* to the opening of the first casinos. However, this decline was actually reversed after the first casinos opened, when the number of non-casino eating and drinking places increased from 415 in 1978 to 569 in 1994 (37 percent). Moreover, in the 11 years since the Hashimoto and Fenich study, the number of non-casino eating and drinking places in Atlantic County has continued to increase to 625 (9.8 percent) in 2004 with 9,020 employees (36 percent).[3]

For more information on this research, see Appendix C.

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[2] Barrow, Clyde and Mathew Hirshy. "The Persistence of Pseudo-Facts in the U.S. Casino Debate: The Case of Massachusetts" Gaming Law Review and Economics Volume 12, Number 4, 2008.
[3] Ibid.

The proposed Tejon development is anticipated to have a positive impact on local businesses. At the preferred site, a portion of gaming patrons visiting the Tejon casino would be expected to patronize the travel plazas and restaurant in Mettler.

Casino Impact on the Local Hotel Market

Local businesses in the Mettler area are expected to benefit from casino development. Local hotels in particular would benefit from the introduction of a new market segment: casino-related room demand. As shown in numerous casino jurisdictions across the country, non-casino hotels benefit even when casinos operate their own hotel.

Casino development increases room demand at non-casino hotels even when casino hotels are built. For example, in Shreveport-Bossier City, Louisiana, hotel occupancy rates averaged about 60% before casinos but rose to 74% by 2005.[4] Such a boost to non-casino hotel demand results from the overall increased visitation to the area and the overflow from peak periods when casino hotels are fully booked. On the Mississippi Gulf Coast occupancy rates in non-casino hotels remained steady at 55% despite a 143% increase in total rooms, including a 60% increase in non-casino hotel rooms.[5]

Within the City of San Diego, the Transient Occupancy Tax (TOT) has grown substantially since recovering from the 2009-10 recession effects, despite the opening of several large hotels at casinos on the outskirts of the market (and not within the City), including an 1,100-room hotel at Harrah's Rincon. Furthermore, HVS reports that hotel occupancy in the San Diego market posted its third straight record occupancy in 2016 at 77%. RevPAR (revenue per available room, a measure of hotel performance) has also seen steady increases since the recession.[6]

Table 14: City of San Diego, CA Transient Occupancy Tax Collections (MMs)

2008	2009	2010	2011	2012	2013	2014	2015	2016	2017
$160.24	$136.32	$128.11	$139.77	$150.82	$157.03	$170.17	$186.24	$202.80	$221.10

Source: San Diego Tourism Authority

In Kern County, there are a total of 147 hotels, with 76 of those hotels falling within the Bakersfield city limits. The hotels provide a total of 10,296 hotel rooms in the cities throughout Kern County. The table below shows the competitive supply within the region. Hotels in Bakersfield and Tejon Ranch would be the ones to primarily benefit from overflow hotel demand.

[4] Shreveport-Bossier Convention and Tourism Bureau 2011 Lodging Report.
[5] Source: Mississippi Gaming Commission.
[6] http://hvi.hvs.com/market/united-states/San_Diego

Table 15: Regional Hotel Supply

Name of City	Number of Hotels	Total # of Hotel Rooms
Bakersfield, CA	76	6,553
Buttonwillow, CA	6	420
California City, CA	2	60
Delano, CA	7	367
Gorman, CA	1	54
Kernville, CA	4	75
Lebec, CA	4	306
Lost Hills, CA	2	181
Maricopa, CA	1	41
McFarland, CA	1	0
Mojave, CA	10	423
Ridgecrest, CA	14	900
Rosamond, CA	2	53
Taft, CA	5	174
Tehachapi, CA	8	445
Tejon Ranch, CA	1	82
Wasco, CA	2	93
Wheeler Ridge, CA	1	69
Total	147	10,296

Source: The Innovation Group; Smith Travel Research

The following table shows the hotel offerings in Kern County by classification. A majority of the hotels are listed as Economy Class which accounts for nearly half of the total supply of rooms. Only twelve hotels in the county qualify as either Upscale or Upper Upscale, the category range which the Tejon hotel would be expected to fall into.

Table 16: Local Hotel Supply by Classification

Class	Number of Hotels	Number of Rooms
Economy Class	82	4905
Midscale Class	23	1,602
Upper Midscale Class	30	2,126
Upscale Class	9	1,275
Upper Upscale Class	3	388
Total	147	10,296

Source: The Innovation Group; Smith Travel Research

For these reasons, we estimate that the project alternatives would have either no discernible effect or a mild positive effect on local hotels.

ECONOMIC IMPACT ASSESSMENT

This economic impact assessment evaluates—for all three alternatives—the costs and benefits to Kern County that could be expected during the ongoing operational stage as well as the construction phase of the proposed development. The inputs or direct effects of the economic impact analysis are based on results in The Innovation Group's Gaming Market Analysis and proforma operating models.

Methodology

The economic benefits—the revenues, jobs, and earnings—that accrue from the annual operations of an enterprise are termed ***ongoing*** impacts. The construction phase of a project is considered a ***one-time*** benefit to an area. This refers to the fact that these dollars will be introduced into the economy only during construction; construction impacts are expressed in single-year equivalence to be consistent in presentation with ongoing annual impacts.

The economic impact of an industry consists of three layers of impacts:

1. Direct effects
2. Indirect effects
3. Induced effects

Direct impacts result from the economic activity that occurs on the property itself. In the case of ongoing operations, these expenditures ultimately derive from patron spending. The direct impact effectively represents the expenditures made by the facility in the form of employee compensation, purchases of goods and services, and patron spending on the food, beverage, hospitality, and retail sectors of the complex. Patron spending on the casino floor has been discounted to exclude promotional allowances as well as payments to state local governments, since those payments represent direct transfers to government coffers and are accounted for in the fiscal impact analysis.

Indirect impacts reflect the economic spin-off that is made possible by the direct purchases of a facility. Local firms providing goods and services to the proposed facility will have incomes partially attributable to these gaming operations. These dollars contribute to the vendors' spending power, and therefore the incremental increase in their spending attributable to this income is considered an indirect impact. These additional expenditures and revenues continue to flow throughout the economy in a rippling effect.

Induced impacts result from the direct and indirect impacts on labor income. As household incomes are affected by employment, this money is re-circulated through the household spending patterns causing further local economic activity.

It is standard practice to evaluate local impacts at the county level since that is the geographic level at which Census data is organized and economic impact multipliers are available.

The economic impact analysis results in the following outputs:

1. Employment—or number of total jobs supported. This includes full and part-time workers (headcount).*

2. Labor Income (Earnings/Salaries) in IMPLAN consists of two parts. First is the total payroll cost of the employee paid by the employer: wage and salary, all benefits, and employer-paid payroll taxes (e.g. employer side of social security, unemployment taxes, etc). Second, proprietor income consists of payments received by self-employed individuals and unincorporated business owners. In the gaming and food service industries, tips are a large source of labor income, and thus an estimate of tips to table dealers and wait staff has been included.

3. Value Added measures the industry or event's contribution to Gross Domestic Product (GDP). It consists of labor income (as described above), taxes on production and imports (TOPI), and other property income (such as corporate profits, rent payments, and royalties). It is the difference between a business or industry's total sales and the cost of all input materials or intermediate expenditures. Value Added = Labor Income + TOPI + Other Property Type Income.

4. Output (Total Spending) represents the value of industry production. In IMPLAN these are annual production estimates for the year of the data set and are in producer prices. For manufacturers, this will be sales plus/minus change in inventory. For service sectors production = sales. For retail and wholesale trade, output = gross margin and not gross sales. Output = Intermediate Inputs + Value Added.

Economic impact analyses use industry multipliers that have been developed based on U.S. Census data to determine the indirect impacts that occur from direct expenditures. The Innovation Group has utilized IMPLAN 3.0 software and data for the purpose of these calculations. IMPLAN accounts closely follow the accounting conventions used in the "Input-Output Study of the U.S. Economy" by the Bureau of Economic Analysis.

However, as noted by the Center for Policy Analysis at the University of Massachusetts Dartmouth in a study from 2004, IMPLAN multipliers are lower than those calculated by the Bureau of Economic Analysis:

> The IMPLAN modeling system accounts for substitution effects by applying local and regional multipliers to disposable personal income only. The modeling system's balanced accounts matrix insures that disposable income which is spent on one type of good or service cannot be spent simultaneously on some other good or service. The application of multipliers to disposable personal income and the imposition of a balanced account matrix results in multiplier effects that are substantially less than those recommended in the U.S. Bureau of Economic Analysis Regional Input-Output Modeling System II (RIMS II). …

* Employment is headcount (or total number of jobs, full and part time) in keeping with US Census data and IMPLAN. Since it includes part-time employees, headcount is a higher number than FTE (full-time equivalent).

Thus, the indirect and induced impacts represent *net* new job creation and not merely a transfer of jobs from one sector to another.

ONGOING IMPACTS

The ongoing economic effects result from the casino operations. As discussed, the projected gaming revenue was adjusted, removing revenue sharing payments and promotional allowances in order to establish the gaming input. Projected food and beverage, hotel, and entertainment revenue figures were used as well.

Ongoing Operation Inputs

The first step is to analyze the impact generated by direct operations of the facility in 2024, the first full year of operations. This step accounts for the workers employed at the facility and the compensation they earn as well as the purchases of goods and services by the casino property. To model these impacts, we utilized industry change activities in IMPLAN for casino, hotel, restaurant, and entertainment sectors. The revenue inputs were generated by the Innovation Group from the gaming market assessment and pro forma operating statement.

Staffing and employment compensation estimates were based on The Innovation Group's operating pro forma model and input into the IMPLAN software. Our staffing model has been calibrated to actual operating data from existing casinos in California and other jurisdictions and is on a Full-Time Equivalent ("FTE") basis (see Appendix D). These FTEs (estimated at approximately 1,935 in Alternatives A1 & B and 1,693 in Alternative A2 in our model) were converted by sector into total number of employees (full and part time) using IMPLAN's conversion matrix[7], which for the casino sector is 0.82136 FTEs for each employee on a headcount basis, or 2,061 to 2,356 jobs for the proposed alternatives.

Gaming revenue input into the IMPLAN model is net of estimated revenue sharing and related payments and promotional allowances. The following table shows the total operating parameters and the adjusted inputs utilized in the IMPLAN modeling. All ongoing impacts are for stabilized (Year 1) operations; therefore, they are expressed in 2024 dollars.

Table 17: 2024 Combined Operating Inputs ($MMs)

Department	Revenue Alternatives A1 & B	Revenue Alternative A2
Casino	$317.0	$294.0
Hotel	$15.1	$11.8
Food and Beverage	$32.7	$29.2
Entertainment	$13.4	$12.4
Total Direct	$378.2	$347.4

The Innovation Group

[7] IMPLAN conversion ratios are based on national employment averages from the Bureau of Economic Analysis.

Economic Impacts from Operations

Proposed Project for Preferred Program: Alternatives A1 & B

In addition to the casino, the resort will include meeting space, dining options, entertainment and retail space, spa, and a 400-room hotel. Based on our proforma modeling for resort operations, including casino hotel, food and beverage, entertainment and related departments, The Innovation Group estimates that the resort will require staffing of nearly 2,356 employees. Additionally, we have utilized industry change activities under IMPLAN for the resort operations to assess the impact on local vendors of purchases of goods and services by the property.

The direct effect of casino resort operations is labor income of $104.8 million—inclusive of salaries and wages, payroll taxes and benefits, and tips—accruing to 2,356 employees. The direct value added to the economy is estimated to be $212 million, which includes the labor income. In addition to these direct effects, the operation will support 722 indirect jobs and 516 induced jobs for a total of 3,594. Total labor income is estimated to reach $161.3 million annually and the value added to the economy is estimated at $315 million. See page 28 for definitions of value added and output.

Table 18: Casino Operating Impacts ($MMs)

	Employment	Labor Income	Value Added	Output
Direct Effect	2,356	$104.8	$212.0	$378.2
Indirect Effect	722	$32.6	$57.7	$97.0
Induced Effect	516	$24.0	$45.6	$75.9
Total	3,594	$161.3	$315.3	$551.1

IMPLAN Group, LLC, IMPLAN System (data and software); The Innovation Group

As noted, direct effects, including employment and labor income, occur at the site of economic activity—in this case at either the Mettler Site or the Maricopa Site in Kern County. The direct work occurs there, the payroll and casino purchases are recorded there, and the tips are collected there. However, based on commuting patterns, the proximity of the proposed sites to the border of Los Angeles County, and other factors, it is estimated that 75% of the practical benefits of the impacts shown above will accrue to Kern County. For example, some workers at the proposed Tejon facility are likely to reside in Los Angeles County and spend at least part if not most of their income there. The induced effects produced by that spending are leaked out of Kern County and therefore not included in the total effect on the County. Through its understanding of trade flows and economic linkages between geographic units, IMPLAN estimates how direct effects impact Kern County versus flow outside the County.

Reduced Intensity Program: Alternative A2

The reduced intensity development under Alternative A2 consists of a 147,000-square-foot casino floor in addition to a 300-room hotel, meeting space, food and beverage outlets, and entertainment and retail space. Based on our proforma modeling for property operations, including casino, food

and beverage, retail and related departments, The Innovation Group estimates that the resort will require staffing of 2,061 employees. Additionally, we have utilized industry change activities under IMPLAN for the resort operations to assess the impact on local vendors of purchases of goods and services by the property.

The direct effect of resort operations is labor income of $93 million—inclusive of salaries and wages, payroll taxes and benefits, and tips—accruing to 2,061 employees. The direct added value to the economy is estimated to be $191.8 million, which includes the labor income.

In addition to these direct effects, the operation will support 664 indirect jobs and 462 induced jobs for a total of 3,187. Total labor income is estimated to exceed $144 million annually and the value added to the economy is estimated at $285.7 million. See page 28 for definitions of value added and output.

Table 19: Casino Operating Impacts ($MMs)

	Employment	Labor Income	Value Added	Output
Direct Effect	2,061	$93.0	$191.8	$347.4
Indirect Effect	664	$29.9	$53.1	$89.2
Induced Effect	462	$21.4	$40.8	$67.9
Total	3,187	$144.4	$285.7	$504.5

IMPLAN Group, LLC, IMPLAN System (data and software); The Innovation Group

As noted, direct effects, including employment and labor income, occur at the site of economic activity—in this case at either the Mettler Site or the Maricopa Site in Kern County. The direct work occurs there, the payroll and casino purchases are recorded there, and the tips are collected there. However, based on commuting patterns, the proximity of the proposed sites to the border of Los Angeles County, and other factors, it is estimated that 75% of the practical benefits of the impacts shown above will accrue to Kern County. For example, some workers at the proposed Tejon facility are likely to reside in Los Angeles County and spend at least part if not most of their income there. The induced effects produced by that spending are leaked out of Kern County and therefore not included in the total effect on the County. Through its understanding of trade flows and economic linkages between geographic units, IMPLAN estimates how direct effects impact Kern County versus flow outside the County.

CONSTRUCTION IMPACTS

The construction of the alternatives would inject capital into the region, supporting the local construction industry and suppliers. The following section presents the one-time construction impacts associated with the development of the alternatives. Construction impacts are expressed on a single-year basis. Therefore, the employment figures, for example, represent person-year equivalents; for a construction period of two years, the actual number of workers onsite would be half the person-year equivalent. Construction costs estimates have been provided by the Tribe.

Proposed Project and Off-site Alternative (A1 & B)

Estimated Construction Costs

The construction of the proposed casino is estimated to begin in 2022. The table below details the total construction budget segmented by line item. For the purposes of IMPLAN modeling, we have segmented construction costs separate from items related to furniture, fixtures and equipment (FF&E). CIP (construction-in-progress), A&E (architectural and engineering) and Insurance were included in the construction costs, while FF&E, AV (audio visual), OS&E (operating supplies and equipment) Signage & Graphics, IT Systems, and Surveillance were included in the FF&E-related costs. Casino Equipment was further segmented out of FF&E-related items. Soft cost spending is not estimated to accrue to Kern County and therefore has been excluded, as have contingency-on-development and pre-opening costs.

Table 20: Construction Budget

Hard Construction Costs	*$393,000,000*
CIP	$360,000,000
A&E	$25,000,000
Insurance	$8,000,000
Equipment-Related Costs (non-gaming)	*$74,000,000*
FF&E	$23,000,000
AV	$10,000,000
OS&E	$6,000,000
Signage & Graphics	$6,000,000
Information Technology Systems	$23,000,000
Surveillance	$6,000,000
Casino Equipment	*$49,000,000*
Contingency, Preopening & Other Soft Costs	*$80,000,000*
Total Construction Budget	$596,000,000

Source: Client; The Innovation Group

The following table outlines the inputs used to calculate the economic impact by sector.

Table 21: Construction Inputs ($MMs): Alternatives A1 & B

	Budget
Industry Sector	
57 Construction of New Commercial Structures, including farm structures	$393
Commodity Sector	
3395 Wholesale trade distribution services	$74
3394 All other miscellaneous manufactured products	$49
Total Construction	$516

IMPLAN Group, LLC, IMPLAN System; The Innovation Group

In addition to excluding $80 million in soft and other costs in the impact to Kern County, IMPLAN's Social Accounting Matrix (SAM) further estimates what portion of spending in the construction and equipment sectors will accrue to Kern County. For example, Casino equipment costs—a very specialized product—is included within commodity sector 3394, and the SAM estimates that only 0.23% of the $49 million casino equipment purchase will originate from within the study area. In summary, of the $596 million in total development costs and $516 million input into IMPLAN, it is estimated that $429 million will accrue to Kern County, as shown in the next table in the Direct Effect/Output cell.

Economic Impacts from Construction

The following section presents the one-time construction impacts associated with developing the proposed Tejon Casino in Kern County. The impacts are expressed on a single-year basis. Therefore, the employment figures, for example, represent person-year equivalents. Approximately 2,880 FTE jobs and $176.5 million in labor income can be directly attributed to the casino construction. Overall, total labor income is estimated to reach $233 million from nearly 4,000 jobs and the value added to the economy is estimated at $341 million.

Table 22: Construction Impacts ($MMs)

	Employment	Labor Income	Value Added	Output
Direct Effect	2,879	$176.54	$240.83	$429.08
Indirect Effect	336	$21.97	$34.49	$65.20
Induced Effect	759	$34.59	$65.91	$109.75
Total	3,974	$233.10	$341.23	$604.03

IMPLAN Group, LLC, IMPLAN System (data and software); The Innovation Group

Reduced Intensity Project Alternative A2

Construction costs have not been estimated for the Reduced Intensity alternative. This alternative is nearly identical to the proposed project plan in terms of offerings, but with reduced square footage totals for each element and with the elimination of the spa and structured parking. According to the site plans, the total square footage for the hotel will be reduced by 21% and the casino floor would be reduced by 12%. Additionally, the entertainment/mixed-use/retail space, back of house, and parking spaces, would be reduced by 35%, 25%, and 20%, respectively. There

may be certain expenses that would remain relatively fixed such as site work and architecture and engineering fees; therefore, construction costs would not be reduced by the same percentage as square footage. On balance, the expected budget and economic impacts from construction are expected to be 20% less than Alternatives A1 and B.

SOCIAL AND COMMUNITY IMPACT ANALYSIS

This section assesses the social and community impacts of the proposed alternatives in Kern County, California. Under the preferred alternative, the subject development is scheduled to contain a 166,500-square foot casino, food and beverage options, a spa, retail and entertainment space, and a 400-room hotel. The complete development, fully-built, is projected to employ 2,356 people. In the reduced intensity alternative, the hotel room count will be reduced to 300 and the casino to 147,000-square feet, and there will not be a spa or a parking structure. The reduced alternative is estimated to employ 2,061 people.

Increased local services and costs as a result of casino gaming operations generally fall into three categories: those arising from population and development growth, those arising from the impacts of increased visitation and traffic, and social impacts resulting from problem gambling.

The analysis draws upon social science research as well as data analysis conducted by the Innovation Group. Although casinos are perceived to be different in kind from other commercial developments of comparable size and visitor base, inordinate negative impacts from casino development have not materialized, even in small communities with limited infrastructure and resources. In fact, experience over the past two decades has demonstrated that mitigation payments designed in anticipation of drastic impacts have often exceeded the actual need of the communities.

The perception that casinos breed crime is not supported by the evidence. While the *number* of reported crimes can increase, as with any commercial development that attracts visitors, casino gaming has not been shown to lead to an increase in crime *rates*.

Host communities should expect impacts similar in kind to other commercial development of similar scope and visitor potential. The projected increase in visitor population should be expected to lead to increases in public safety services and judicial system caseload. The one significant difference in kind relates to the association between problem gambling and other social pathologies as discussed in Appendix A. Given the current availability of gaming in the region, the addition of gaming in Kern County is not expected to lead to a material increase in prevalence rates in the local area.

In summary, evidence suggests that on-going impacts to local communities are highly manageable, typically requiring only a small fraction of gaming revenues to address fully. It is anticipated that the Tejon Indian Tribe will negotiate local service agreements to address impacts on municipal services and create dedicated funding structures.

Infrastructure impacts are highly site-dependent. The Mettler site was previously undeveloped, but its location near two major thoroughfares is well suited to handle visitor and traffic volume with minimal local impact. State Highway 99 and Interstate 5 have exits near the proposed sites.

Section One: Population and Employment Related Impacts

The Tejon Casino is expected to draw over 4.4 million annual gaming visits[8] to the area in 2024 and directly employ 2,356 people in Alternatives A1 & B, while the proposed casino in Alternative A2 is expected to draw nearly 4.1 million annual gaming visits and directly employ 2,061.

For the purposes of this section, Kern County will be used as the primary study area of impacts as it pertains to employment and increased population.

Employment Impact

As noted, the preferred program proposed development is projected to require 2,356 jobs[9] in 2024, the first full year of operations, or 2,061[10] jobs under the reduced intensity building program. These jobs are expected to be filled by a combination of local unemployed workers, local out-bound commuters, residents of neighboring cities, and new residents. Kern County unemployment currently stands at slightly over 35,000 workers. Local trends have shown consistent declines in levels of unemployment; therefore, for the future baseline conditions, we have forecasted 27,246 unemployed residents in 2024.

Table 23: Kern County Average Annual Employment Statistics

Year	Civilian labor force	Employment	Unemployment	Unemployment rate (%)
2008	359,141	323,808	35,333	9.8
2009	362,714	311,707	51,007	14.1
2010	371,515	313,361	58,154	15.7
2011	382,367	325,712	56,655	14.8
2012	391,888	340,355	51,533	13.1
2013	393,440	347,213	46,227	11.7
2014	393,459	352,504	40,955	10.4
2015	390,873	350,944	39,929	10.2
2016	388,445	347,996	40,449	10.4
2017	384,944	349,502	35,442	9.2

Source: Bureau of Labor Statistics, LAUS series, Not-seasonally adjusted; The Innovation Group

Mettler and Maricopa are both small townships with a combined estimated population of less than 1,500. Both jurisdictions are primarily zoned residential and agricultural. Kern county overall is more diverse in industry and has been one of California's significant producers of oil, natural gas, solar power and other forms of energy.

[8] Visits, not individual patrons. Casino customers typically make more than one visit per year.
[9] Headcount, including full and part-time workers.
[10] Only direct jobs are included in these employment impacts. Jobs supported by indirect and induced effects are diffuse and not expected to have the same migratory impact as direct jobs.

According to the most recent LEHD Origin-Destination Employment Statistics (LODES)[11] data from the US Census (2015), 72.2% of the 293,390 workers living in Kern County work there, meaning 27.8% commute out to other counties or work remotely for businesses located elsewhere. The percentage of jobs in Kern County held by residents of other counties is 25.5%.

Table 24: Kern County Commuting Patterns

A. Workers residing in Kern County	293,390
B. Number of Jobs in Kern County	284,472
C. Live & work in Kern County	211,804
% who live & work in Kern County (C/A)	72.2%
% of A who commute OUT	27.8%
% of B who commute IN	25.5%

Source: US Census. (2015) LEHD Origin-Destination Employment Statistics (2002-2015)

As the following table shows, it is estimated that the existing area workforce in Kern County will account for most of the employment under all three development scenarios. Only 16.2% of workers are estimated to represent new residents moving into the area.

Table 25: Tejon Casino Project Source of Workforce

Source of Employment	Proposed Project	Reduced Intensity	Metric Applied	Source
A. Number of New Employees	2,356	2,061	Total Jobs	IMPLAN, Innovation Group revenue projections
B. Number of Commuters from outside Kern County	*205*	*140*	Based on Kern County Workforce Commuting Patterns	US Census
C. I.W.V. Unemployed back to work	*954*	*886*	3% -5% of a future estimate of 27,246 Unemployed Workers*	US Census
D. Commuters Staying within Kern County	*816*	*775*	0.75-5% of 81,586 Kern County workers who currently commute outside the area	US Census
E. Total from Existing Area Workforce	*1,975*	*1,801*	B+C+D	
F. Estimated Total New Workers Needed	*381*	*260*	A-E	
% of New Employees	*16.2%*	*12.6%*	F/A	

These estimates were based on previous Innovation Group research and results from a recent analysis of Plainridge casino in Plainville, Massachusetts. The survey of Plainridge employees demonstrates that casino employment is comprised mainly of workers already residing within commuting distance: a mixture of previously employed local residents looking for a better opportunity or the ability to work closer to home, along with previously unemployed local

[11] More information about the data source can be found here: https://lehd.ces.census.gov/doc/help/onthemap/OnTheMapDataOverview.pdf

residents. The percentage of workers who moved to take the position with Plainridge was a small percentage of the staff. Furthermore, most casino workers had not had prior casino work experience.

Table 26: Plainridge Casino Source of Workforce

	# of Responses	Percentage
Prior Employment status:		
Unemployed	162	15.5%
Employed Part-time	363	34.7%
Underemployed	*189*	*18.1%*
Employed Full-time	522	49.9%
Total	1,047	100.0%
Reason for taking the position		
Job closer to home	305	29.1%
Other results		
No prior casino experience	902	86.2%
Moved to take the position	75	7.2%

New Employee Survey at Plainridge Park Casino: Analysis of First Two Years of Data Collection
University of Massachusetts Donahue Institute, Economic and Public Policy Research Group, May 10, 2017

Other studies show similar impacts on employment. The Rappaport Institute for Greater Boston and the John F. Kennedy School of Economics at Harvard University (Baxandall and Sacerdote 2005) in a national, county-level study of Native American casinos found a slight decrease in unemployment rates after casinos opened. The analysis included all California casinos in existence in the 1990s. From their total sample of 156 casino counties, the Rappaport study isolated out 57 counties with large casinos and relatively low population and nine counties with both large casinos and large populations to see if there were statistical differences in terms of community impacts. The authors compared the county unemployment rate averaged for the year before and after a casino opens in a county, and then subtracted that number from the average state change in unemployment to isolate the county-specific effect. The following table shows their results:

Table 27: Rappaport Study Employment Results

	All Casino-Counties[1]	Counties with Large-Capacity Casinos[2]	Populous Casino Counties[3]
Population Growth (%)	+5*	8.6	+8.1*
Total Employment (%)	+6.7*	+14.9*	5.7
Unemployment (%)	-0.3	-1.2*	0.5

*Statistically significant results at 99% confidence interval.
1. Reports how adjusted outcomes in 156 counties that introduced Indian-run casinos during the 1990s differed from the other 2,959 that did not.
2. The effect for 21 counties in the top 10th percentile in terms of number of slot machines (over 1,760).
3. The effect for the 57 casino counties in the top population quartile (over 55,000 residents).

The Rappaport study also highlighted results for three counties in southern California: Riverside, San Bernardino, and San Diego. In all three counties, the unemployment decreased relative to the state average. For example, before casino development, Riverside County had a slightly lower unemployment rate than the state average (by 0.3%). After casino development, the county's unemployment rate was 1.7% lower than the state average, a relative decrease of 1.4 percentage points. San Bernardino had a relative decrease of 0.5 points and San Diego 0.4.

Table 28: Rappaport Study California County Results for Employment (%)

	Relative Unemployment % (County - State Average) Before	Relative Unemployment % (County - State Average) After	Change in Relative % Unemployment (Before - After)
Riverside, CA	-0.3	-1.7	-1.4
San Bernardino, CA	-2.2	-2.7	-0.5
San Diego, CA	-4.1	-4.5	-0.4

Household and Population Impact

Assuming approximately 1.1 casino workers per household, the total number of new households to Kern County is estimated between 260-381 depending on the development scenario. On average, households in California comprise 2.9 persons, bringing the total population increase to Kern County between 686-1,005 people. This represents between 0.07% and 0.11% of the projected 2024 Kern County population.

Table 29: Tejon Casino Project Impact on Households and Population

	Alternatives A1 & B	Alternative A2
New employees moving to K.C.	381	260
# of jobs per household	1.1	1.1
Number of new Households	*347*	*237*
California State Avg. Household Size	2.9	2.9
New K.C. Population	1,005	686
% Increase of 2024 Total K.C. Pop	0.11%	0.07%

K.C.= Kern County

School Impact

Based on the number of new households and California household metrics, the increase to Kern County school enrollment is estimated to be approximately 138-203 children depending on the development scenario.

Table 30: Tejon Casino Project Impact on Kern County School Enrollment

	Metric	Alternatives A1 & B	Alternative A2
Number of New Households		347	237
Number of Households That Will Have Children*	37.5%	130	17
*Number of Children per Household***	*1.95*		
Total Number of Children		253	173
School age Children	80%	203	138

Source: iXPRESS, Nielsen Claritas, Inc., US Census Bureau: Table ST-F1-2000.;
*California 2018 estimated percent of households with presence of children under age of 18
**California's average number of children per family with children

There are 49 elementary through high public-school districts with 189,949 enrolled students within Kern County in 2018. There are five high school districts and an additional eight unified districts. Both proposed sites fall within the western portion of the county, and therefore three districts in the eastern portion of the county, Mojave Unified, Joint Unified, and Sierra Sands Unified districts, were excluded due to their distance from the proposed sites. The remaining districts can easily absorb the 138-203 new students into the system. The following table shows the enrollment trends for the affected school districts.

Table 31: Kern County Impacted School Districts: Annual School Enrollment*

	13/14	14/15	15/16	16/17	17/18	CAGR
Grades K-5	81,307	82,013	82,100	83,404	85,079	1.1%
Grades 6-8	37,983	38,121	38,497	39,831	41,673	2.3%
Grades 9-12	50,729	50,594	51,204	52,365	53,452	1.3%
Total	170,019	170,728	171,801	175,600	180,204	1.5%

Source: California Department of Education, DataQuest; The Innovation Group
*Excluding Mojave Unified, Muroc Joint Unified, and Sierra Sands Unified Districts.

Housing Impact

The proposed casino locations will be near mainly agricultural land and along commercial corridors and will have a minimal impact on the local residential neighborhoods. The additional households that are projected to locate in and around the Kern County area will have small, but positive impact on the housing market. New households will support the current and future development of housing in the community.

Kern County, and the Bakersfield area in particular, have seen recent interest in the housing markets. Though the area was hit hard by the mortgage crisis in 2008, it has experienced a significant recovery. According to an article from Trulia and Bakersfield.com, Bakersfield has

been named the fourth hottest housing market in the county.[12] The article cites the areas proximity to Los Angeles and affordability as main reasons for the growth in the area. A separate article on Bakersfield.com lists the November 2018 median price of an existing single-family home in the Bakersfield area at $239,950, which is a 2% increase from 2017[13]. However, according to a quoted local appraiser, it is still a good time to buy a home in the area since the median household price is still as much as 20% below the pre-recession level peak in 2005.

Currently, the number of housing units is 11.6% greater than the number of households in Kern County, denoting an adequate number of units available for residents. Five-year projections estimate that the growth of families and households will occur at a slightly faster rate than housing units, bringing the housing supply down to 11.3% greater than the number of households. According to the Nielsen/Claritas data, the number of housing units is projected to grow by 10,854 units by 2023 in Kern County, which will be sufficient to absorb the 237-347 households estimated to relocate.

Table 32: Kern County Population and Housing Trends

	2010 Census	2018 Estimated	2023 Projection
Population	839,631	895,505	932,424
Percent Change		6.7%	4.1%
Households	254,610	269,456	279,875
Percent Change		5.8%	3.9%
Families	191,739	203,447	211,592
Percent Change		6.1%	4.0%
Housing Units	284,367	300,789	311,643
Percent Change		5.8%	3.6%

Source: Nielsen/Claritas, The Innovation Group

According to Census Reporter, Kern County had a vacancy rate for housing units of 9.6% in 2017, which translated to roughly 28,700 units.[14] If the same percentage is applied to the number of housing units projected for 2023, then there will be nearly 30,000 available housing units to accommodate the incoming households. Consequently, there is a substantial and sufficient housing supply to accommodate the 347 households estimated to relocate to Kern County in Alternative A1.

[12] https://www.bakersfield.com/news/bakersfield-listed-as-fourth-hottest-real-estate-market-in-nation/article_0f588532-f434-11e8-ac35-a786f0b231ab.html
[13] https://www.bakersfield.com/news/local-blm-office-releases-scoping-summary-on-fracking-study-plus/article_d808676e-fe6a-11e8-b65e-2b407e9eb6a4.html
[14] https://censusreporter.org/profiles/05000US06029-kern-county-ca/

Kern County has lower than average rates of renter-occupied housing than the state of California, but higher than the nationwide average. Ongoing operations are slated to create approximately 2,356 new jobs at the proposed facility, providing stable employment for existing residents that can support homeownership, increasing homeownership figures throughout the local area. The addition of new families has the potential to support current and planned housing development throughout the city without overwhelming existing infrastructure.

Table 33: 2018 Occupied Housing Units by Tenure

	Kern County	California	United States
Owner-Occupied	60%	56%	65%
Renter-Occupied	40%	44%	35%

Source: Nielsen/Claritas, The Innovation Group

Conclusion

Overall, the casino and retail developments are projected to bring up to an additional 686-1,005 people to Kern County. This is a small increase in local population and will not have a substantial impact on local services, Kern County school districts and housing.

Section Two: Municipal Services Impact

Host communities should expect impacts similar in kind to other commercial development of similar scope and visitor potential. The projected increase in visitor population should be expected to lead to increases in public safety services and judicial system caseload.

The one significant difference in kind relates to the association between problem gambling and other social pathologies as discussed in this report. According to the California Department of Public Health, the providers offering free Gambling Education and Treatment Services are currently in the surrounding counties of Tulare, San Bernardino, Los Angeles, Ventura, Santa Barbara, and San Luis Obispo. Given the availability of gaming near the proposed locations, the addition of gaming in Kern County is not expected to lead to a material increase in prevalence rates in the local area.

Evidence suggests that on-going impacts to local communities are highly manageable, typically requiring only a small fraction of gaming revenues to address fully. Of most direct consequence to casino development are police, fire, and EMS, which will largely fall into the purview of the Kern County Sheriff's Office and Kern County Fire Department.

Police

Both Mettler and Maricopa contract the Kern County Sheriff's Office (KCSO) for police protection. In addition to providing police services to the unincorporated portions of the county, KCSO has the responsibility for the jail system, providing bailiff and prisoner transportation service to the courts, search and rescue, coroner services, and civil process.

According to the County Administrative Office (CAO), from FY 2016/17 to FY 2017/18, the Kern County police protection budget increased from a total of $211.8 million to $213.9 million. The recommended budget for FY 2018/19 lists a total of $227.4 million to be allocated to the KCSO. Roughly 80%-83% of the appropriated budget for the KCSO goes towards salaries and benefits.

The CAO FY 2018/19 proposed budget for Kern County states that the KCSO has 1,378 authorized permanent positions, of which 1,247 are anticipated to be staffed during the fiscal year. There are also an additional 37 temporary positions allocated to the department. Of these positions, 127 work in administrative services, 114 work in investigations, 334 work in law enforcement, and 663 work in detentions. The other 21 positions are split between the Office of the Sheriff and The Office of the Undersheriff.

Of note, in FY 2017/18 the KCSO seized over 2,500 pounds of illegal narcotics, $249,716 in currency and 128 firearms. Additionally, the department secured $1 million in grant funding from the federal government and 91,942 hours of volunteer services valued at $2.6 million.

The Lamont Substation of the KCSO, located at 12022 Main St. Lamont, CA., is responsible for the servicing of the Mettler area. The Lamont Substation is authorized 1 Sergeant, 3 Senior Deputies, 20 Deputy Sheriffs, and 2 Sheriff Support Technicians. The substation is also supplemented with an active Citizen Service Unit. Maricopa falls under the jurisdiction of the Taft

Substation, located at 315 N Lincoln St. Taft, CA. The Taft Substation is authorized 1 Sergeant, 2 Senior Deputies, 11 Deputy Sheriffs, and 1 Sheriff Support Technician.

Fire

Fire protection for Mettler and Maricopa is currently provided by the Kern County Fire Department (KCFD). According to its most recent annual report (2016), the department responded to over 49,766 incidents, which averages over 136 calls per day. Emergency medical services (EMS) accounted for a majority of these calls. The KCFD has 47 stations throughout the county and employs 544 people, of which 25 are battalion chiefs, 169 are captains, 162 are engineers, and 179 are firefighters.

There is a fire station in both Mettler and Maricopa and both are operated by the KCFD. The closest KCFD fire station to Mettler is Station 55, which is located at 5441 Dennis McCarthy Dr. in Lebac, California. This fire station is directly off Interstate-5 and is just an 11-minute drive from the Mettler city center. Additionally, Station 55 is one of only 4 fire stations in Kern County that operates both a fire engine and a ladder truck. Station 55 also serves as a battalion headquarters. In Maricopa, KCFD Station 22 is located at 8101 Stanislaus St. The station is just off of State Highway 166 and near the Maricopa Elementary School.

The Fire Department budget decreased from $153.8 million in FY 2016/17 to $141.9 million in FY 2017/18. The recommended budget for FY 2018/19 lists a budget of $150.8 million. The majority of the department's expenditures are for staffing and operating costs (approximately 85 percent). These expenditures are funded primarily through property taxes, contracts for services, and additional fees. Due to a reduction in property tax revenue related to oil and gas price decreases accompanied by a steady increase in employee pension costs, there has been an ongoing shortfall in the needed funding to maintain KCFD operations. Subsequently, the Kern County Board of Supervisors approved a seven-year, General Fund Contribution of $3.9 million annually to cover the escalating pension cost through FY 2020/21.

Emergency Medical Services (EMS)

The Kern County Fire Department also provides EMS to Mettler and Maricopa. The KCFD normally responds to EMS calls with an engine or ladder truck. In 2016, total EMS calls were 26,286, which accounted for 53% of the total calls to the department and averaged 72 calls per day.

If the KCFD is unable to respond to an EMS call, Hall Ambulance Service, Inc. may be contacted. Hall is a regional company that was formed in 1971 by a Bakersfield citizen, Harvey L. Hall, who later became the city's mayor. Hall provides services to over 90% of Kern County including the two potential casino sites.

Comparative Analysis

Research in other jurisdictions show that impacts to local communities are manageable, typically requiring only a small fraction of gaming revenues to address fully. Based on casino evaluations

performed by Purdue University and other research institutions on behalf of the Indiana Gaming Commission, statewide average actual costs borne by host communities are approximately 0.3% of gaming revenues. A study of the fiscal impact of Belterra on Switzerland County, Indiana in 2005 concluded, "…the added property, wagering and admissions taxes, and the incentive payments, exceeded the costs imposed by the riverboat. This allowed the county to increase appropriations—to cover added riverboat costs and to provide more public services—while charging Switzerland taxpayers less".[15]

The introduction of a casino can lead to an increase in traffic patrol requirements and in the number of calls for police service. Arrests or citations related to increased visitation to the local area will create increased caseloads for the local judiciary. Even calls not resulting in arrest or citation can result in a need for increased police staffing.

A large, well-equipped fire department, such as Kern County Fire Department usually does not have to increase fire personnel in order to respond to incidents at a new casino. However, rural communities which do not have the types of equipment needed to respond to incidents at buildings beyond a certain height (e.g. ladder truck) often invest in new equipment. In general, rural municipalities have more limited service-infrastructure to handle large-scale developments and increased visitation than large cities, where impacts are marginal relative to resources.

Criminal Incident Rates

The following section provides data for the number of calls police respond to and the numbers of arrests made at a sampling of casinos throughout the country. The analysis includes three individual properties, SugarHouse in Philadelphia, Pennsylvania, Rivers Casino in Pittsburgh, Pennsylvania and Rivers Casino in Des Plaines, Illinois.

SugarHouse Casino – Philadelphia, Pennsylvania

SugarHouse Casino is located along the Delaware River, outside of downtown Philadelphia in an urban neighborhood. The following statistics provide an overview of the number of calls and arrests the police department has made near the casino. It should be noted that the following data overstates the number of calls to the casino as the Philadelphia Police Department collects data based on address, which in this case also includes adjacent commercial properties. The Pennsylvania State Police respond to incidents within the casino. The number of calls to the area near the casino declined from 2012 to 2014 by over 50% and offenses declined by 75%. This is due to a steep decline in the all "all other offenses" category, indicating change in police procedure or local ordinances.

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[15] *Five-Year License Renewal: Belterra Resort Indiana, LLC*, performed by Indiana University-Purdue University Indianapolis on behalf of the Indiana Gaming Commission, October 2005, page 36.

Table 34: SugarHouse Casino Service Calls and Criminal Offenses

Crime Category	2012	2013	2014	Average
Total Service Calls	1,023	708	499	743
Part One Offenses	*30*	*22*	*19*	*24*
Rape	0	1	0	0
Robbery	1	3	2	2
Aggravated Assault	5	1	0	2
Theft	21	16	16	18
Stolen Vehicle	3	1	1	2
Part Two Offenses	*122*	*137*	*21*	*93*
Simple Assault	12	19	5	12
Fraud	3	1	2	2
Prostitution	14	8	5	9
Narcotic	3	2	0	2
Offenses Against Family	1	0	0	0
Driving Under the Influence	3	0	1	1
Liquor Law Violations	0	0	0	0
Public Drunkenness	1	2	0	1
Disorderly Conduct	11	13	5	10
All Other Offenses	74	92	3	56
Total Offenses	152	159	40	117

Source: Philadelphia Police Department, The Innovation Group

Rivers Casino – Pittsburgh, Pennsylvania

Rivers Casino is located near Heinz Field, along the Ohio River in Pittsburgh, Pennsylvania. Police protection is provided by two entities, the Pennsylvania State Police and the Pittsburgh Police. The Pennsylvania State Police address incidents within the casino, while the local Pittsburgh Police respond to incidents outside of the casino. The following provides an overview of the calls made to the state and local police.

Table 35: Rivers Casino Pittsburgh Police Service Calls

Call Type	2012	2013	2014	Average
911	18	17	18	18
Accident	19	16	17	17
Animal	0	0	0	0
Auto Theft	6	3	4	4
Assault	3	13	10	9
Child	3	2	2	2
Criminal Mischief	7	8	4	6
Disorderly Person	23	19	20	21
Dispute	6	2	6	5
Disturbance	2	0	1	1
DV	7	3	6	5
Drugs	1	0	0	0
Fight	0	5	6	4
Fire	0	1	1	1
Fraud	0	0	1	0
Gun/Weapon	6	2	1	3
Harassment	2	3	2	2
Hit & Run	28	27	26	27
Ind Exposure/Sex Asslt	2	0	0	1
Intox (Person/Driver)	43	38	44	42
Medical	13	14	19	15
Overdose	2	1	3	2
Parking	3	3	2	3
Police	36	33	71	47
Psych	5	5	5	5
Resist Arr	0	0	0	0
Robbery	0	1	3	1
Retail Theft	0	0	0	0
Shots Fired	1	0	0	0
Soliciting	18	12	6	12
Suspicious Act/Pe/Veh	7	4	7	6
Theft	4	13	14	10
Theft fr Auto	14	5	12	10
Traffic	14	16	20	17
Trespass	1	0	2	1
Unknown	5	1	5	4
Warrant	8	1	1	3
Misc	21	22	19	21
Total	328	290	358	325

Source: Pittsburgh Police Department, The Innovation Group

Table 36: Rivers Casino Pennsylvania State Police Service Calls

Call Type	2013	2014	Average
Criminal Homicide	0	0	0
Sex Offenses	0	2	1
Robbery	0	0	0
Assaults	32	26	29
Property Offenses	535	368	452
Arson	0	0	0
Drug Violations	18	27	23
Alcohol Crimes	14	25	20
Total	599	448	524

Source: Pennsylvania State Police, The Innovation Group

The Rivers Casino in Pittsburgh receives an average of 849 calls to the casino and areas directly adjacent to the casino. The incident rate was calculated based on the estimated attendance at the facility and the total number of service calls.

Table 37: Rivers Casino Service Call Rates

Revenue 2014	$346,297,439
Avg. Spend	$75
Est. Attendance	4,617,299
Average Pittsburgh Police Calls	325
Incident Rate Pittsburgh Police Calls	0.007%
Average Pennsylvania Police Calls	524
Incident Rate Pennsylvania State Police Calls	0.011%
Incident Rate All Police Calls	0.018%

Source: Pittsburgh Police Department, Pennsylvania State Police, Pennsylvania Gaming Control Board, The Innovation Group

Rivers Casino – Des Plaines, Illinois

The Rivers Casino in Des Plaines is located on the west side of Chicago within close proximity to O'Hare Airport. The following provides an overview of the number and type of calls that the Des Plaines Police Department at the casino.

Table 38 : Rivers Casino Des Plaines Police Service Calls

	2012	2013	2014	Average
Assault & Battery	61	73	68	67
Administrative & Investigative	275	204	336	272
Animal/Pet Related	10	5	5	7
Community Relations Related	128	29	24	60
Controlled Substance	5	30	79	38
Disorderly Conduct	12	9	16	12
Fire/LEO Assist	180	48	62	97
Fraudulent Activity	43	70	88	67
Gambling Related	3	0	0	1
Medical Related	7	6	6	6
Minors with Alcohol	2	0	1	1
Motor Vehicle Offense (DUI, DL)	44	44	42	43
Property Damage	12	13	14	13
Theft Related	35	44	70	50
Traffic Accident	60	59	46	55
Traffic Enforcement	26	40	49	38
Trespassing	431	354	341	375
Welfare/Missing Persons Related	1	4	6	4
Total	1,335	1,032	1,253	1,207

Source: Des Plaines Police Department, The Innovation Group

Attendance figures from the Illinois Gaming Board were utilized in order to calculate the incident rates for calls made to local police.

Table 39: Des Plaines Service Call Rates

Casino Attendance 2014	3,519,071
Average Casino Service Calls	1,207
Incident Rate for Service Calls	0.034%

Source: Des Planes Police Department, Illinois Gaming Board, The Innovation Group

Average Service Call Rates

Incident rates from the data above was utilized in order to establish an incident rate that will be applied to the Tejon facility in order to project the number of calls and charges that can be expected with the addition of a casino to the community. Data from Philadelphia was excluded from the average because it doesn't include incidents on the casino floor.

Table 40: Average Criminal Incident Rate

	Estimated Calls
Rivers Casino - Pittsburgh, PA	0.018%
Rivers Casino - Des Plaines, IL	0.034%
Average	*0.026%*

According to the Kern County Sheriff's Office Website, the department lists an annual service call volume of 254,000 for emergency and non-emergency calls. In an effort to remain conservative, a growth rate was not applied to the call volume. It is estimated that the proposed alternatives will have approximately 1,076 – 1,164 annual calls in 2024, its first full year of operations. These are an increase of 0.42% - 0.46% over the current 2017 KCSO service call volume.

Table 41: Tejon Casino Police Service Call Estimate

	Alternatives A1 & B	Alternative A2
2024 Projected Casino Attendance	4,417,841	4,086,073
Average service call rate	*0.026%*	*0.026%*
Projected Police Service Calls	1,164	1,076
*2017 Service Calls Kern County**	254,000	254,000
2024 Projected Service Calls Kern County	255,164	255,076
% Change	0.46%	0.42%

* 2017 Data from Kern County Sheriff's Office Communications Website

Neither Kern County Sheriff's Department nor the California Department of Justice provide a breakdown of service calls by type. Instead, the following table provides a breakdown of criminal incidents or offenses that occurred in Kern County over the past five years.

Table 42: Kern County Criminal Incidents 2013-2017

	2013	2014	2015	2016	2017
Violent Crimes	4,969	4,465	4,908	5,128	4,989
Homicide	61	59	64	88	89
Forcible Rape	171	181	284	307	307
Robbery	1,285	1,106	1,149	1,166	1,297
Aggravated Assault	3,452	3,119	3,411	3,567	3,296
Property Crimes	33,382	28,283	30,342	32,570	28,933
Burglary	10,728	8,546	8,419	8,351	7,429
Motor Vehicle Theft	5,802	4,745	5,328	6,477	5,899
Larceny-Theft	16,852	14,992	16,595	17,742	15,605
Arson	545	646	714	695	692
TOTAL	38,896	33,394	35,964	38,393	34,614
Total Population	864,014	871,895	879,607	885,086	893,119
Crimes per 100 residents	*4.5*	*3.8*	*4.1*	*4.3*	*3.9*

Sources: Open Justice, California DOJ; The Innovation Group; US Census

For additional information on criminal incidents and qualitative data from other jurisdictions, see appendix.

Fire Incident Rates

The following section provides data for the number of calls local fire departments respond to for the three casino properties: SugarHouse in Philadelphia, Pennsylvania, Rivers Casino in Pittsburgh, Pennsylvania and Rivers Casino in Des Plaines, Illinois. Additionally, data from the Grand Victoria Casino in Elgin, Illinois was used. The majority of calls made to the area around the casino are calls for EMS service or traffic accidents. There are a very small number of calls that are labeled as fire and usually involve a false alarm.

SugarHouse Casino – Philadelphia, Pennsylvania

The Philadelphia Fire Department responded to an average of 28 calls from 2012 to 2014. Of those calls, the majority were in connection with EMS or traffic accidents.

Table 43: Philadelphia Fire Department Calls

	2012	2013	2014	Average
EMS and Traffic Accident	27	18	19	21
Fire	9	8	3	7
Total	36	26	22	28

Source: Philadelphia Fire Department, The Innovation Group

The following utilizes the estimated attendance figures from the previous section in order to calculate the fire call rate for SugarHouse Casino in Philadelphia.

Table 44: Philadelphia Fire Department Call Rate

Estimated Casino Attendance	3,534,995
Average Fire Incidents	28
Fire Dept. Call Rate	0.001%

Source: Philadelphia Fire Department, The Innovation Group

Rivers Casino – Pittsburgh, Pennsylvania

The Pittsburgh Fire Department responded to an average of 17 calls from 2012 to 2014. Of those calls, the majority were in connection with EMS or traffic accidents.

Table 45: Pittsburgh Fire Department Calls

	2012	2013	2014	Average
EMS and Traffic Accident	10	9	15	11
Fire	9	5	3	6
Total	19	14	18	17

Source: Pittsburgh Fire Department, The Innovation Group

The following utilizes the estimated attendance figures from the previous section to calculate the fire call rate for Rivers Casino Pittsburgh.

Table 46: Pittsburgh Fire Department Call Rate

Estimated Casino Attendance	4,617,299
Average Fire Incidents	17
Fire Dept. Call Rate	0.0004%

Source: Pittsburgh Fire Department, The Innovation Group

Rivers Casino – Des Plaines, Illinois

The Philadelphia Fire Department responded to an average of 168 calls from 2012 to 2014. Of those calls, the majority were in connection with EMS or traffic accidents.

Table 47: Des Plaines Fire Department Calls

	2012	2013	2014	Average
EMS	185	138	167	163
Fire	3	4	6	4
Total	188	142	173	168

Source: Des Plaines Fire Department, The Innovation Group

The following utilizes the estimated attendance figures from the previous section in order to calculate the fire call rate for Rivers Casino in Des Plaines.

Table 48: Des Plaines Fire Department Call Rate

Attendance	3,519,071
Average Calls	168
Fire Dept. Call Rate	0.005%

Source: Des Plaines Fire Department, The Innovation Group

Grand Victoria - Elgin

The City of Elgin, Illinois is located near a major metropolitan area. The Grand Victoria Casino is also located within an hour of downtown Chicago and draws from that market. The following table provides an overview of incidents reported by the Elgin Fire Department for the Grand Victoria Casino.

Table 49: Grand Victoria Elgin Fire Response 2014

Call Type	2012	2013	2014	Average
EMS	65	72	67	68
Fire	0	0	0	0
Good Int.	2	2	3	2
Public Assistance	0	2	1	1
False	4	2	5	4
Total	71	78	76	75

Source: Elgin Fire Department, The Innovation Group

Attendance was taken from the Illinois Gaming Board. Based on these figures, the rate of incidents compared to number of guests was extremely small.

Table 50: Grand Victoria Elgin Fire Call Rate

Des Plaines Fire Incidents	
Attendance	1,372,095
Average Calls	75
Fire Dept. Call Rate	0.005%

Source: Elgin Fire Department, Illinois Gaming Board, The Innovation Group

Average Fire Incident Rates

Incident rates from the data above was utilized in order to establish an incident rate that is applicable to the proposed Tejon facility in order to project the number of calls the Kern County Fire Department can expect. It should be noted that some communities have seen a smaller impact on services. For example, the Kenner Fire Department in Louisiana has reported a small number of service calls at the Treasure Chest Casino, averaging approximately seven medical calls and only one fire call in the last five years.

Table 51: Average Fire Department Call Rate Estimate

	Estimated Fire Incident Rate
SugarHouse Casino - Philadelphia, PA	0.001%
Rivers Casino - Pittsburgh, PA	0.0004%
Rivers Casino - Des Plaines, IL	0.005%
Grand Victoria Casino - Elgin, IL	0.006%
Average	0.003%

Source: The Innovation Group

As shown in the following table, it is estimated that the proposed alternatives will result in an increase of 117 to 127 in service calls a year starting in 2024. This is an increase of approximately 0.2% over the current call volume.

Table 52: Tejon Casino Fire/EMS Service Call Estimates

	Alternatives A1 & B	Alternative A2
2024 Projected Casino Attendance	4,417,841	4,086,073
Average service call rate	*0.003%*	*0.003%*
Projected Fire Service/EMS Calls	127	117
*2024 Estimated KC Fire/EMS Service Calls**	56,559	56,559
2024 Projected KC Fire/EMS Service Calls	56,686	56,676
% Change	0.22%	0.21%

*Estimate based on historical service call data from Kern County Fire Department

The following provides a breakdown of Fire Department calls in the Kern County from all stations.

Table 53: Kern County Fire Department Calls 2017 (Includes EMS)

Type	Incidents	% of Total
Total	49,766	100%
Medical	26,286	53%
Non-Medical	23,480	47%
False Alarm	1,995	4%
Good Intent	4,853	10%
Hazard	1,646	3%
Outside Fire	2,112	4%
Public Service	3,195	6%
Structure Fire	973	2%
Canceled	7,392	15%
Mutual Aid	1,314	3%
Total Population	884,788	
Incidents per 100 residents	*5.6*	

Sources: Kern County Fire Department, The Innovation Group

Conclusion and Implications for Kern County

Fiscal Impacts and Municipal Services

Local fiscal benefits from tribal developments are difficult to define. First of all, according to many state-tribal compacts, local communities receive a portion of slot revenue sharing that the Tribe pays into the State Special Distribution Fund. However, currently there is no state-tribal compact for the alternatives analyzed in this report. Secondly, tribal operations can be exempt from property and sales taxes, and thus a Municipal Service Agreement (MSA) is typically negotiated to compensate for that exemption. However, to date there is not an MSA in place.

Impacts arising from population and development growth would be effectively diluted by the size of Kern County's existing labor force, housing stock, and school capacity. Impacts arising from increased visitation—such as police, fire and EMS calls—are less than significant but detailed below. Moreover, the gains in tax revenues that will accrue to the county as a result of increased economic activity generated by the casino and its employees will mitigate increases in municipal services expenses. In sum, the casino will have a significant positive impact on Kern County's governmental services.

Estimated Municipal Expenses

The following table shows the estimated expenses attributable to the subject development from police and fire/EMS services, based on the Comparative Analysis section above, with percent change estimates from that analysis applied to future budget estimates. For future budget estimates, the County's FY2018/19 budget was increased by a total of 6%.

Table 54: Kern County Police and Fire/EMS Expense Increase 2024

2024 Budget Estimate		Alternatives A1 & B	Alternative A2
Sheriff's Office: $241,044,000	*Incremental %*	*0.46%*	*0.42%*
		$1,104,358	$1,021,424
Fire/EMS: $159,848,000	*Incremental %*	*0.22%*	*0.21%*
		$351,666	$335,681
Total Increase in Municipal Services		$1,456,023	$1,357,104

Sources: Kern County, The Innovation Group

Estimated local revenue from taxes attributable to the alternatives is presented later in this report.

Property Tax Impact

The following table shows the current value assessments and property taxes attributable to the parcels of land proposed for development. Alternatives A1 and A2 are proposed for the site near Mettler while Alternative B is proposed for the site near Maricopa, as detailed in the site analysis

section of this report. The total loss of property tax that Kern County could expect to incur from the development of either property is between $22,740 and $40,660.

Table 55: 2018 Property Tax Information

	Assessed Value	Property Taxes
Alternative A1 & A2 (Mettler)	$788,931	$40,660
APN: 238-204-02	$386,456	$20,197
APN: 238-204-04	$101,305	$5,124
APN: 238-204-07	$301,170	$15,340
Alternative B (Maricopa)	$1,905,086	$22,740
APN: 238-203-14	$792,011	$9,449
APN: 238-203-22	$1,113,075	$13,291

Source: Kern County, CA Office of the Treasurer – Tax Collector

Estimated Municipal and State Revenues

Excluding property and sales taxes,[16] ongoing operations from the alternative developments would directly contribute between $854,000 to $944,000 million to local government, according to IMPLAN results. Additionally, the results estimate between $4.8 million and $5.4 million in direct contributions to the state government.

Table 56: Kern County Local and State Tax Impact: Direct Effect

	Alternatives A1 & B Local	Alternative A2 Local	Alternatives A1 & B State	Alternative A2 State
TOPI: Sales Tax	$0	$0	$0	$0
TOPI: Property Tax	$0	$0	$0	$0
TOPI: Motor Vehicle Lic	$3,175	$2,903	$179,989	$164,579
TOPI: Severance Tax	$3,493	$3,194	$6,489	$5,933
TOPI: Other Taxes	$566,442	$517,944	$449,025	$410,580
TOPI: S/L NonTaxes	$0	$0	$529,004	$483,711
Corporate Profits Tax	$0	$0	$946,730	$873,836
Personal Tax: Income Tax	$0	$0	$2,990,983	$2,655,878
Personal Tax: NonTaxes (Fines- Fees)	$311,252	$276,379	$148,506	$131,868
Personal Tax: Motor Vehicle License	$1,824	$1,619	$103,380	$91,798
Personal Tax: Property Taxes	$50,758	$45,071	$2,171	$1,928
Personal Tax: Other Tax (Fish/Hunt)	$7,277	$6,462	$5,769	$5,122
Total	$944,221	$853,573	$5,362,046	$4,825,232

Source: IMPLAN Group, LLC, IMPLAN System (data and software);
US Census State & Local Finance Dataset; The Innovation Group. TOPI=Tax on Production & Imports

[16] As a trust property, it has been assumed the subject development would be exempt from these local taxes.

However, the impacts from indirect and induced effects of ongoing operations would not be subject to the property and sales tax exemptions. IMPLAN estimates that indirect and induced effects from ongoing operations would generate between $4.9 million and $5.4 million in tax revenue to local government and between $10.9 and $12.1 million in tax revenue to the state depending on the proposed alternative.

Table 57: Kern County Local and State Tax Impact: Indirect Effect

	Alternatives A1 & B Local	Alternative A2 Local	Alternatives A1 & B State	Alternative A2 State
TOPI: Sales Tax	$368,085	$338,053	$1,043,707	$958,552
TOPI: Property Tax	$1,654,918	$1,519,895	$70,789	$65,014
TOPI: Motor Vehicle Lic	$594	$545	$33,666	$30,919
TOPI: Severance Tax	$653	$600	$1,214	$1,115
TOPI: Other Taxes	$105,949	$97,305	$83,987	$77,135
TOPI: S/L NonTaxes	$0	$0	$529,004	$483,711
Corporate Profits Tax	$0	$0	$946,730	$873,836
Personal Tax: Income Tax	$0	$0	$2,990,983	$2,655,878
Personal Tax: NonTaxes (Fines- Fees)	$99,109	$90,983	$47,288	$43,410
Personal Tax: Motor Vehicle License	$581	$533	$32,918	$30,220
Personal Tax: Property Taxes	$16,163	$14,837	$691	$635
Personal Tax: Other Tax (Fish/Hunt)	$2,317	$2,127	$1,837	$1,686
Total	$2,248,369	$2,064,880	$5,782,814	$5,222,109

Source: IMPLAN Group, LLC, IMPLAN System (data and software);
US Census State & Local Finance Dataset; The Innovation Group. TOPI=Tax on Production & Imports

Table 58: Kern County Local and State Tax Impact: Induced Effect

	Alternatives A1 & B Local	Alternative A2 Local	Alternatives A1 & B State	Alternative A2 State
TOPI: Sales Tax	$525,146	$470,027	$1,489,055	$1,332,764
TOPI: Property Tax	$2,361,068	$2,113,251	$100,995	$90,394
TOPI: Motor Vehicle Lic	$847	$758	$48,031	$42,990
TOPI: Severance Tax	$932	$834	$1,732	$1,550
TOPI: Other Taxes	$151,158	$135,292	$119,824	$107,248
TOPI: S/L NonTaxes	$0	$0	$529,004	$483,711
Corporate Profits Tax	$0	$0	$946,730	$873,836
Personal Tax: Income Tax	$0	$0	$2,990,983	$2,655,878
Personal Tax: NonTaxes (Fines- Fees)	$72,397	$64,795	$34,542	$30,916
Personal Tax: Motor Vehicle License	$424	$380	$24,046	$21,521
Personal Tax: Property Taxes	$11,806	$10,567	$505	$452
Personal Tax: Other Tax (Fish/Hunt)	$1,692	$1,515	$1,342	$1,201
Total	$3,125,471	$2,797,420	$6,286,788	$5,642,460

Source: IMPLAN Group, LLC, IMPLAN System (data and software);
US Census State & Local Finance Dataset; The Innovation Group. TOPI=Tax on Production & Imports

Problem Gambling

There is not expected to be any fiscal impact on Kern County services from problem gambling, since prevention and treatment programs are funded by the State (see Appendix A). The California Department of Public Health's Gambling Education and Treatment Services (CalGETS) offers treatment options at no cost to problem gamblers and affected individuals. Outpatient providers are located throughout the state, and there are two residential treatment centers. The closest providers to Mettler are in Lancaster and Tulare.

Further, problem gambling prevalence is not anticipated to increase from this development given the availability of casino gaming already present throughout the area and state. In fact, in our gravity modeling analysis, the proposed location is on average less than 40 minutes closer than existing tribal casinos to residents of Kern County, meaning that increased prevalence over current levels is expected to be minimal.

More information on problem gambling research is contained in Appendix A.

APPENDIX A: PROBLEM GAMBLING RESEARCH

Definition and Prevalence

A majority of Americans, about 86%, report having gambled at least once in their lifetime[17]. Most people gamble for recreational purposes without the behavior becoming a problem. Studies, however, estimate that 0.4%-1.6% of the United States population can be classified as pathological gamblers.[18,19] Pathological gambling has been commonly associated with relationship problems, employment issues, and significant financial difficulties.

The American Psychiatric Association (2004) defines a pathological gambler as a person who features a continuous loss of control over gambling. Furthermore this gambler illustrates a progression, in gambling frequency and amounts wagered, in the preoccupation with gambling and in obtaining monies with which to gamble. However, problem gambling is a more loosely defined term and is commonly associated with gaming-related difficulties that are considered less serious than those of a pathological gambler. For the sake of this report we will utilize the definition by noted researchers Cox, Rosenthal and Volberg which defines problem gambling as a pattern of gambling behavior that compromise, disrupt or damage personal, family or vocational pursuits.[20]

The National Research Council[21] utilizes a three-level metric. Level 1 gambling is considered social and or recreational gambling with no appreciable harmful effects. Level 2 gambling is synonymous with problem gambling. Level 3 gambling is synonymous with pathological gambling. Problem gambling is an urge to gamble despite harmful negative consequences or a desire to stop. It is often defined by whether harm is experienced by the gambler or others, such as the gamblers family, significant other, spouse, friends, or coworkers. A problem gambler may or may not be a pathological gambler. Pathological or compulsive gambling is defined as a mental disorder characterized by a continuous or periodic loss of control over gambling, a preoccupation with gambling and with obtaining money with which to gamble, irrational thinking, and a continuation of the behavior despite adverse consequences.

Prevalence rates to determine adult problem gambling rates are measured by administering a survey (often a variation of the South Oaks Gambling Screen or a modified DSM-IV questionnaire) to a statistically valid sample of the adult population of the jurisdiction being

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[17] James KC, Bible WA, Dobson JC, Lanni JT, Leone RC, Loescher RW, et al. *National gambling impact study commission final report*. National Gambling Impact Study Commission. 1999.
[18] Shaffer HJ, Hall MN, Vander Bilt J. "Estimating the prevalence of disordered gambling behavior in America and Canada: a research synthesis." *Am J Public Health*. 1999
[19] Petry NM, Stinson FS, Grant BF. "Comorbidity of DSM-IV pathological gambling and other psychiatric disorders: results from the national epidemiologic survey on alcohol and related conditions." *J Clin Psychiatry*. 2005
[20] Cox, S., H. R. Lesieur, R. J. Rosenthal & R. A. Volberg. 1997. *Problem and Pathological Gambling in America: The National Picture.* Columbia, MD: National Council on Problem Gambling.
[21] National Research Council, pp. 20-21.

measured. Adolescent rates are measured in a similar manner. Such a method and analysis of data that accompanies the process is referred to as a general population prevalence study.

Jurisdictions in several countries have conducted studies to estimate the percentage of the population that could be classified as having some level of problem gambling behavior. These studies, commonly referred to as prevalence studies, are designed to reflect the scope and severity of problem gambling behavior.[22]

One of the most frequently cited studies on prevalence rates is *Estimating the Prevalence of Disordered Gambling Behavior in the United States and Canada: A Meta-analysis by the Harvard Medical School Division on Addictions*. The meta-analysis method of estimating prevalence rates has been used in related addiction fields of drug prevention and patterns of alcohol use and alcohol treatment and is considered a more cost-effective method than a national study since it makes use of existing research already conducted in a field.

The Harvard Medical School study, believed to be the first to use meta-analysis measurements for problem gambling prevalence rates, analyzed 152 distinct previous prevalence studies available for review by June 15, 1997. The study determined that 2.0 percent of the adult population could be considered as Level 2 of disordered gambling (often referred to as problem gambling) and 0.9 percent of Level 3 or disordered gambling (also referred to as pathological gambling) during the past year. The vast majority of adults in the general population, then, do not experience gambling-related problems of any clinical significance.

The meta-analysis raw data was given to the Committee on the Social and Economic Impact of Pathological Gambling of the National Research Council (NRC) in its analysis for the National Gaming Impact Study Commission. After an extensive review, the NRC agreed with the above rates of problem gambling and used the numbers in its own analysis of problem gambling in its final report.

It should be noted that problem gambling is not limited to states with casinos, since most states have other forms of gambling and since casino options are available in other states.

A study in California in 2006 found that "the lifetime prevalence of pathological gambling in California is 1.5% and the lifetime prevalence of problem gambling is 2.2%."[23] However, California did not begin offering publicly funded treatment services until 2010,[24] and in 2006 there were no residential treatment providers and insufficient outpatient providers.[25] The only public services were a helpline and Gamblers Anonymous.

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[22] *Estimating the Prevalence of Disordered Gambling Behavior in the United States and Canada: A Meta-analysis*, Harvard Medical School Division on Addictions, 1997.
[23] Volberg RA, Nysse-Carris KL, Gerstein DR, *2006 California Problem Gambling Prevalence Survey*. Submitted to the California Department of Alcohol and Drug Programs Office of Problem and Pathological Gambling
[24] Wheeler M. *UCLA, California partner on new publicly funded program to treat state's problem gamblers*, October 18, 2010, UCLA Newsroom.
[25] Volberg, *IBID*.

The California Department of Public Health's Gambling Education and Treatment Services (CalGETS) now offers a variety of treatment options at no cost to problem gamblers and affected individuals. Telephone counseling is available at no cost Monday-Friday from 9AM-5PM, in addition to the 24/7 helpline. Outpatient providers are located throughout the state, including two centers providing Intensive Outpatient treatment, and there are now two residential treatment centers.

Funding for these services comes from the tribal Special Distribution Fund, the Lottery Fund, and the Gambling Addiction Fund (which is derived from a $100 per-table fee on gaming tables at commercial cardrooms).

The introduction of casino gambling can lead to negative social impacts that can be controlled and minimized through proper planning, awareness campaigns, and prevention and treatment programs applied in a coordinated manner by all relevant stakeholders. Utilizing the many proven prevention and treatment programs and the requirements relating to problem/responsible gaming being utilized in California, the potential social impact of the advent of gaming in the state can be minimized. Through enhanced funding provided by a local services agreement, problem gambling services will be more effective in mitigating problem gambling and promoting responsible gambling.

By devoting more resources to prevention and treatment, Connecticut was able to cut prevalence rates despite further gaming development. In 1996, Connecticut had only a single clinic, but by the time of an updated study in 2008, the state had 17 clinics.[26] Prevalence rates declined substantially during that period, despite the opening of Mohegan Sun late in 1996 and further expansion at Foxwoods, including the opening of Grand Pequot Tower hotel in 1997.

Table 59: Connecticut Prevalence Rates

	2008 Survey	1997 Study
Problem Gamblers	0.90%	2.20%
Probable Pathological Gamblers	0.70%	0.60%
Total Disordered Gamblers	1.60%	2.80%

Source: Spectrum Gaming Group.

The presence of casinos in California complicates an assessment of any impact on prevalence rates from further casino development in the state. In the case of the proposed Tejon facility, a salient point is that casino gambling is already available in the region. Given this existing availability, the addition of gaming in Kern County is not expected to lead to an increase in prevalence rates in the local area.

[26] Spectrum Gaming Group, *Gambling in Connecticut: Analyzing the Economic and Social Impacts*, prepared for the State of Connecticut, Division of Special Revenue, June 2009.

APPENDIX B: CASINOS AND CRIME

The social and community impacts of gaming development have been extensively studied. In many areas research findings have been inconclusive and thus considerable resources continue to be devoted to researching possible negative impacts given the unique nature of gaming compared to other commercial enterprises.

A number of broad studies of the social and economic impact of casinos have been conducted in the United States. In the late 1990s, prompted by the expansion of casinos throughout the United States, mainly in the form of riverboat casinos, Native American casinos, and racetrack slot parlors, Congress set up the National Gambling Impact Study Commission (NGISC). Its findings were released in 1999.

The Commission retained the National Research Council (NRC) to review the existing research on the socio-economic impacts of casino development. The NRC concluded that the existing research on the subject was inadequate:

> The NRC project involved a review of all existing and relevant studies by representatives of a variety of scientific fields. In the end, NRC recommended that further study be initiated. Study of the benefits and costs of gambling "is still in its infancy." Lamenting past studies that utilized "methods so inadequate as to invalidate their conclusions," the absence of "systematic data," the substitution of "assumptions for the missing data," the lack of testing of assumptions, "haphazard" applications of estimations in one study by another, the lack of clear identification of the costs and benefits to be studied, and many other problems, NRC concluded the situation demands a "need for more objective and extensive analysis of the economic impact that gambling has on the economy."[27]

The Commission then retained the National Opinion Research Center (NORC) to undertake said "objective and extensive analysis" concerning impacts. The NORC came to the following conclusion:

> First, the casino effect is not statistically significant for any of the bankruptcy or crime outcome measures…….. This is not to say that there is no casino-related crime or the like; rather, these effects are either small enough as not to be noticeable in the general wash of the statistics, or whatever problems that are created along these lines when a casino is built may be countered by other effects.[28]

Despite the NGISC's authoritative findings, some researchers continue to claim that casinos cause crime.[29] However, there are three major flaws in much of this research:

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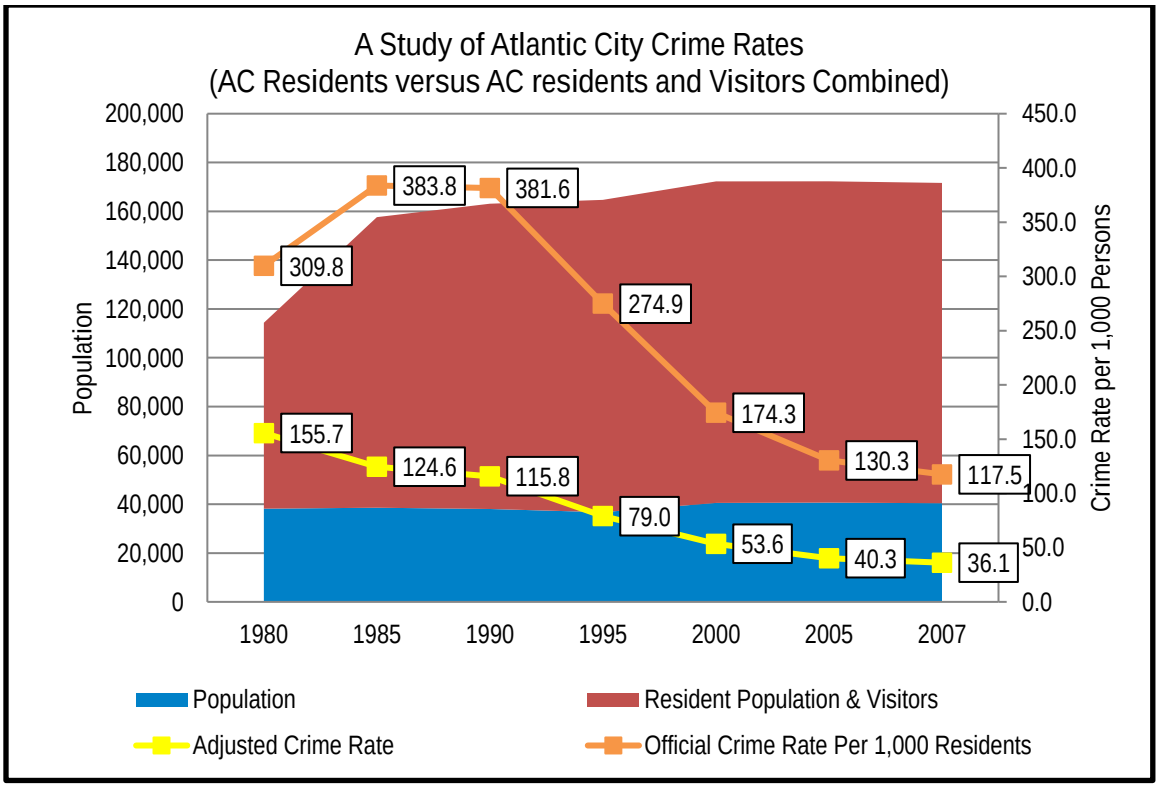
[27] National Gambling Impact Study, Chapter 7. 1999. Gambling's Impact on People and Places.
[28] The National Gambling Impact Study Commission, "National Gambling Impact Study" (1999).
[29] See Grinols and NBER discussion below.

1. Much of the research that attributes an increase in crime to casinos has ignored the temporary population increases brought about by casino visitation. When crime rates are calculated not accounting for the influx of visitors, there appears to be an increase in crime. While this may be true in absolute terms, it radically overestimates the increase in likelihood of residents being victims of crime.
2. Further to #1, some research applies crimes such as on-site thefts of casino visitors to the local population, leading to an invalid increase in the local crime rate.
3. The crimes rates are not studied over a sufficient period of time and therefore temporary increases or long term trends attributable to more primary causal factors are not always recognized or are misinterpreted.

One of the earliest examples of flawed research is related to Atlantic City. The ***number*** of crimes tripled after casinos opened in 1978, and some researchers applied the increase to the local resident population, which in the resulting invalid calculation resulted in a tripling of the crime ***rate***. However, most of the increase related to thefts within the casinos, which did not impact the local population. A valid calculation of the crime rate has to include the visitation base.

In fact, there has been a ***decreased*** chance of being a victim of crime since casinos were developed in Atlantic City. Factors likely include an increase in casino employment and law enforcement resources, safer infrastructure with well-lit garages, and an increase in general tourism activity. According to more recent data supplemented to the study completed by Margolis et al, [30] this decline in crime rates per 1,000 residents continued through 2007 to a rate of 36.1 per thousand residents. The chart below illustrates the crime rate trends from 1980 to 2007.

[30] Margolis, J. & Altheimer & Gray. (December 1997). "Casinos and crime: An analysis of the evidence." American Gaming Association. http://www.americangaming.org/assets/files/studies/Crime.pdf . The Innovation Group.



The Rappaport Institute for Greater Boston and the John F. Kennedy School of Economics at Harvard University (Baxandall and Sacerdote 2005) in a national, county-level study of Native American casinos found a slight decrease in crime rates after casinos opened. The analysis included all California casinos in existence in the 1990s. From their total sample of 156 casino counties, the Rappaport study isolated out 57 counties with large casinos and relatively low population and nine counties with both large casinos and large populations to see if there were statistical differences in terms of community impacts. The following table shows their results:

Table 60: Rappaport Study Results

	All Casino-Counties[1]	Counties with Large-Capacity Casinos[2]	Populous Casino Counties[3]
Population Growth (%)	+5*	8.6	+8.1*
Total Employment (%)	+6.7*	+14.9*	5.7
Unemployment (%)	-0.3	-1.2*	0.5
House Prices	$5,869	$8,924	$7,083
Crime (Per 1,000 People)	-3	-6	-1

*Statistically significant results at 99% confidence interval.
1. Reports how adjusted outcomes in 156 counties that introduced Indian-run casinos during the 1990s differed from the other 2,959 that did not.
2. The effect for 21 counties in the top 10th percentile in terms of number of slot machines (over 1,760).
3. The effect for the 57 casino counties in the top population quartile (over 55,000 residents).

The Rappaport study concluded:

> Our analysis shows that while total crime can be expected to increase when casinos open, the increase is due to increased population, not to a casino-created crime wave. Looking at FBI indexed crimes per resident in all [156] counties; we find that introducing a casino is associated with a decrease of 3 reported crimes per 1,000 people. The introduction of a casino, however, had no statistically significant effect on per-capita crime rates in either large-population casino counties or in large-casino counties. The per-capita crime rate in the 9 large-population counties that also hosted large-capacity casinos dropped 9 crimes per 1,000 residents, however.[31]

It is worth noting that the study included two of the largest casinos in the world, Foxwoods and Mohegan Sun. In Ledyard, Connecticut (which hosts the Foxwoods casino), crimes outside the casino increased from 214 in 1991 to 364 in 1998, but in subsequent years, State Police data show that off-casino crimes in Ledyard fell below pre-casino levels. In Montville, Connecticut (host to Mohegan Sun), as with Ledyard, the number of crimes reported "remained relatively constant," which the authors conclude is "surprising since the sheer increase in activity around these towns might have led to greater crime."[32]

The study also highlighted results for three counties in southern California: Riverside, San Bernardino, and San Diego. In all three counties, crime decreased relative to the state average. For example, before casino development, Riverside County suffered 22 more crimes per 1,000 residents than the state average. After casino development, the county had just 6 more crimes per 1,000 residents than the state average, a relative decrease of 16 crimes per thousand residents. San Bernardino had a relative decrease of 10 crimes per thousand, and San Diego 9.

Table 61: Rappaport Study California County Results for Crime

	Relative Crime (Before)	Relative Crime (After)	Change in Relative Crime (After - Before)
Riverside, CA	0.022	0.006	-0.016
San Bernardino, CA	0.016	0.006	-0.01
San Diego, CA	0.008	-0.001	-0.009

In other western jurisdictions, the Montana legislature in 1997 commissioned a study on the video gaming industry. The resulting analysis found no impact on crime rates in Montana:

> While gambling may have caused an increase of certain types of crime, Montana's overall crime rate increase is not any higher than the increases in matched cities with little or no

[31] IBID. As summarized in their 2008 report, "Betting on the Future: The Economic Impact of Legalized Gambling."

32 Baxandall, P. & B. Sacerdote (January 2005). *The Casino Gamble in Massachusetts: Full Report and Appendices*. Rappaport Institute for Greater Boston, John F. Kennedy School of Economics, Harvard University. Page 14.

> legal gambling. In fact, in almost three-quarters of the specific comparisons carried out, crime rates rose more (or decreased less) in the matched cities than in the Montana cities.
>
> Each of the seven largest Montana cities was matched with an out-of-state city in the region with similar population size, similar population growth rate, similar racial composition, but with little or no legal gambling. The percentage change in crime rates for three indices of crime (total serious crime, property crime, and violent crime) was computed for three time periods… between 1984 and 1994. [The data] illustrate the lack of a systematic pattern in crime rate changes between Montana cities and those in states with little or no gambling. For example, the violent crime rate grew faster in Cheyenne, Wyo., than in Great Falls between 1984 and 1994, yet the index of property crime decreased in Cheyenne while it increased in Great Falls during the same period.[33]

In summary, there is no evidence from gross level data that the advent of casinos has a measurable impact on local crime rates in general, whether in Eastern, Midwestern, or Western jurisdictions. It is highly likely any crimes associated with casinos are either offset by economic benefits or that the level of crime is so small as to be overwhelmed by other factors such as economic trends.

Primary Research from Select Casino Jurisdictions

The figures from the casinos used in the Comparative Analysis Criminal Incidents section, provide a general picture of criminal activity at a casino. Other communities have found lower and higher levels of incidents. For example, figures from the Kenner Police Department note an average of 9 criminal incidents at the Treasure Chest Casino from 2012 to 2014. Attendance at the Treasure Chest Casino in Kenner is over one million annually.

A recent article in The Enterprise provided additional qualitative data from the casinos in this analysis. An officer from the Pittsburgh Police department compared the number of calls to games at the local baseball and football stadiums, "Nothing different than when there's a ball game," Luczak said. "I wouldn't say there's much change."[34]

Des Plaines Police Deputy Chief Nick Treantafeles had similar sentiments, "It's just like any place that serves alcohol," he said. "You get drunk and disorderly, but their security handles 98 percent of the issues there. We might get called for a fight that gets out of hand. ... It hasn't put a damper on the services we offer the rest of the community."[35]

While specific increase in police staffing varies from community to community, many communities found no need to increase police staffing, as shown below in the examples from Indiana. The Center for Urban Policy and the Environment at Indiana University-Purdue University has prepared 5-year evaluations of riverboat licensees for the Indiana Gaming

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[33] Montana Gambling Commission Study, 1998, Chapter 8.
[34] http://www.enterprisenews.com/article/20150517/NEWS/150516955/12741/NEWS/?Start=1
[35] http://www.enterprisenews.com/article/20150517/NEWS/150516955/12741/NEWS/?Start=1

Commission which contain sections on community impacts. The following bullet points include summaries and excerpts from these reports with respect to police and fire protection.

Casino Aztar:

- The Evansville Police Department reports no increases in crime since the riverboat opening. They do report a drop in crime in 1999 when compared to the previous year.
- "No new police officers or firefighters were added. Traffic control has not been a problem..."

Majestic Star:

- The community purchased 12 police cars with Year 1 incentive payments.
- Gary's Chief of Police reports no additional criminal activity surrounding the riverboat.

Horseshoe Hammond (formerly Empress Casino Hammond):

- The Hammond Police Department reports crime has fallen in most categories when compared to before the boat opened.

Hollywood (formerly Argosy):

- According to the Lawrenceburg Police Department, casino-related arrests for public intoxication, DWI, and minor theft, as well as traffic accidents in the area have increased slightly each year from 1997 to 2000.
- Lawrenceburg has added two police officers since the boat opened to deal with the increased caseload.

Ameristar (formerly Harrah's East Chicago):

- According to East Chicago's police department, no additional criminal activity can be attributed to the riverboat's presence.
- "Crime in East Chicago has decreased substantially over this time period due to increased cooperation with federal agencies, community policing and increased staffing."

Blue Chip Casino:

- According to Michigan City's chief of police, no additional criminal activity can be attributed to Blue Chip's presence.

On the issue of crime, Jeremy Margolis, who had served as Assistant U.S. Attorney in Chicago, Illinois Inspector General, and Director of the Illinois State Police, found in a 1997 study[36] that the chance of being victim of a crime decreases after casino development. Factors include an

[36] Margolis, J. (December 1997). "Casinos and crime: An analysis of the evidence." American Gaming Association.

increase in employment brought by casinos, increased law enforcement resources, safer infrastructure with well-lit garages, and an increase in general tourism activity.

In testimony before the Pennsylvania Gaming Control Board (PGCB) in 2006, Margolis was asked to give an update of his seminal study. Margolis concluded, based on examining updated crime data from the F.B.I. as well as interviews with the Executive Director of the Illinois Crime Commission, the Illinois State Police, and the Illinois Gaming Board, that the situation is "really unchanged except for the maturation of the industry, the maturation of the regulatory process has probably settled things down more than it had settled when I completed my study in 1997. It's just not an issue."[37]

[37] PGCG hearing transcript, September 7, 2006, pages 22-23.

APPENDIX C: IMPACT ON LOCAL BUSINESS

Research Results

There is a substantial body of research and case studies demonstrating the impacts that casinos have on surrounding local businesses. There are several important reasons that local businesses benefit from the development of a casino:

- Casino visitors stopping at local retail outlets and restaurants.
- Long-distance patrons staying at area hotels; even in markets with casino hotels, non-casino hotels enjoy boosts in occupancy.
- Casino expenditures on local goods and services put more money into the local economy.

A review of studies of casino impacts on local business shows that casinos can stimulate local economies, resulting in communitywide growth, including in the local food and beverage business and retail businesses. There is little evidence of significant economic substitution after the introduction of new casinos, particularly for casinos in urban areas.

Casino development increases room demand at non-casino hotels even when casino hotels are built. For example, in Shreveport-Bossier City, Louisiana, hotel occupancy rates averaged about 60% before casinos but rose to 74% by 2005.[38] Such a boost to non-casino hotel demand results from the overall increased visitation to the area and the overflow from peak periods when casino hotels are fully booked. On the Mississippi Gulf Coast occupancy rates in non-casino hotels remained steady at 55% despite a 143% increase in total rooms, including a 60% increase in non-casino hotel rooms.[39]

Within the City of San Diego, the Transient Occupancy Tax (TOT) has grown substantially since recovering from the 2009-10 recession effects, despite the opening of several large hotels at casinos on the outskirts of the market (and not within the City), including an 1,100-room hotel at Harrah's Rincon. Furthermore, HVS reports that hotel occupancy in the San Diego market posted its third straight record occupancy in 2016 at 77%. RevPAR (revenue per available room, a measure of hotel performance) has also seen steady increases since the recession.[40]

Table 62: City of San Diego, CA Transient Occupancy Tax Collections (MMs)

2008	2009	2010	2011	2012	2013	2014	2015	2016	2017
$160.24	$136.32	$128.11	$139.77	$150.82	$157.03	$170.17	$186.24	$202.80	$221.10

Source: San Diego Tourism Authority

[38] Shreveport-Bossier Convention and Tourism Bureau 2011 Lodging Report.
[39] Source: Mississippi Gaming Commission.
[40] http://hvi.hvs.com/market/united-states/San_Diego

The research division of the Federal Reserve Bank of St. Louis concluded in a 2003 report that the results are "mixed" regarding the impacts of casinos on other local businesses. The report references one study that "found that the growth in retail sales tax collections from various industries slowed after the introduction of casino gambling." However, another referenced study from Indiana showed that casino development retained spending by patrons "who would have, without the casino, spent their money outside of the local area."[41]

Furthermore, there is substantial economic research from throughout the country contradicting the substitution effect. Hashimoto and Fenich's 1997 research shows that "in jurisdictions from the seashore to the riverfront to rural areas, north and south, east and west, local restaurants tended to thrive after a casino opened nearby." Furthermore, Hashimoto and Fenich conclude: "When casinos are developed, all aspects of the local food and beverage business increase: the number of establishments increases, the number of people employed increases and payroll increases at an even greater rate than the first two."[42]

Research conducted in 1996 by Nancy Reeves and Associates for the Mille Lacs Band of Ojibwe, entitled "The Economic Impact of Grand Casino Mille Lacs and Grand Casino Hinckley on Their Surrounding Areas" concluded that:

> At least 15 businesses have either opened, expanded, or re-opened since the opening of Grand Casino Mille Lacs. Included are 4 hotels/motels and resorts, 8 restaurants and fast food establishments, 2 gas stations and a go-kart track. Together, these businesses have added an estimated 142 jobs in the area.
>
> With the opening of Grand Casino Hinckley in 1992, the hospitality business in Hinckley was transformed from a rest stop for travelers to a tourist destination. In addition to the casino complex, with its 1,275 jobs, Hinckley has added 11 new businesses and expanded 4 more since 1992, adding 87 new jobs. As is the case in the Mille Lacs area, Hinckley is now a year round destination because of the casino. Also similar to the Mille Lacs situation, the main street businesses in Hinckley have seen increases in customer spending attributed primarily to casino employees living in the area.

The Center for Policy Analysis University of Massachusetts Dartmouth came to similar conclusions analyzing a number of gaming jurisdictions throughout the country. The number of restaurants and retail sales excluding those from casinos increased in Bossier City, Louisiana; Biloxi/Gulfport, Mississippi; Connecticut; Gilpin County, Colorado, and; Tunica County, Mississippi.

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[41] Thomas A. Garrett, Senior Economist, Federal Reserve Bank of St. Louis, *Casino Gambling in America and Its Economic Impacts,* August 2003.

[42] George Fenich and Kathryn Hashimoto, "The Effects of Casinos on Local Restaurant Business," paper presented at the International Conference on Gambling and Risk-Taking, Montreal, 1997.

> There was a net increase of eight restaurants in Bossier City, Louisiana following the introduction of riverboat casinos. The city's taxable restaurant sales, excluding restaurants in the hotels and casinos, increased by 5 percent in 1994 and by 7 percent in 1995 *after* the introduction of riverboat casinos. In Biloxi/Gulfport, Mississippi, the rate of non-casino retail sales growth increased from an average of 3 percent annually (1990-1992) in the years prior to riverboat gambling to 12 percent annually in the years after riverboat gaming began in the locality.
>
> …the number of restaurants in the area surrounding Foxwoods and Mohegan Sun increased from 472 to 506 following the casino's opening, while restaurant employment increased from 5,911 to 6,628 during the same period.… In Gilpin County Colorado, the number of restaurants increased from 31 to 40 after the introduction of casino gaming. In Tunica County, Mississippi, the number of restaurants increased by 13 percent and restaurant employment grew by 9 percent after the introduction of casino gaming in the county.[43]

Similar conclusions have been reached in other studies:

- Even after accounting for substitution effect, economists at the University of Missouri and Washington University concluded that casino gambling in Missouri had a net positive annual impact on Missouri output of $759 million, corresponding to a continuing higher level of employment of 17,932 jobs generating $508 million more in personal income.[44]
- A multijurisdictional analysis of retail spending found that in Biloxi/Gulfport, Miss., annual retail sales growth rates increased an average of 3 percent per year from 1990 to 1992, the year when casinos were introduced. Between 1993 and 1995, retail sales jumped 13 percent. In Will County, Ill., retail sales growth trailed statewide trends until 1992, when riverboat casinos were introduced in the local economy. But each year between 1992 and 1995, retail sales growth in Will County exceeded the state rate. In Shreveport/Bossier City, La., retail sales increased by more than 10 percent during 1994, the year that riverboat casinos opened, as the region enjoyed the highest retail sales increase in more than a decade.[45]

In summary, there is a wealth of evidence contradicting the proposition that gaming substitutes for other expenditures. The positive spillover effect on local hotels for one is unequivocally demonstrated in numerous jurisdictions, even in markets where casinos operate hotels for their gaming customers.

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[43] Ibid.

[44] Charles Leven et al., "Casino Gambling and State Economic Development," paper presented at the Regional Science Association, 37th European Congress, Rome, Aug. 26-29, 1997.

[45] Arthur Andersen, *Economic Impacts of Casino Gaming in the United States, Volume 2: Micro Study* (Washington, D.C.: American Gaming Association, May 1997).

APPENDIX D: CASINO EMPLOYMENT STATISTICS

The following data is presented to support the employment and payroll as estimated by the Innovation Group's operating pro forma and utilized in the economic impact analysis.

The California Nations Indian Gaming Association (CNIGA) commissions every two years a statewide economic impact report based on confidential data from California tribal gaming operations. The latest version of the report is 2016, which is based on data from 2014. The 2016 report revealed total direct employment of 40,705 FTEs in 2014, which in IMPLAN's conversion matrix equals 46,558 jobs on a headcount basis. Applied to a statewide gaming position count of 83,266, the headcount figure results in a ratio of 0.60 (of employees to gaming positions). The data set utilized in the analysis was provided by the following properties, but estimates were made for the unknown properties to result in a statewide total:

Table 63: CNIGA Study Contributing Properties

Casino	City	County
Blue Lake Casino & Hotel	Blue Lake	Humboldt
Colusa Casino Resort	Colusa	Colusa
Cher-Ae Heights Casino	Trinidad	Humboldt
Elk Valley Casino	Crescent City	Del Norte
Feather Falls Casino	Oroville	Butte
Morongo Casino, Resort & Spa	Banning	Riverside
Pala Casino, Resort & Spa	Pala	San Diego
Pit River Casino	Burney	Shasta
Win-River Resort & Casino	Redding	Shasta
Harrah's Rincon Casino & Resort	Valley Center	San Diego
San Manuel Indian Bingo & Casino	Highland	San Bernardino
Chumash Casino	Santa Ynez	Santa Barbara
Sycuan Casino	El Cajon	San Diego
Black Oak Casino	Tuolumne	Tuolumne

Source: CNIGA, Beacon Economics; 2016 California Tribal Gaming Impact Study: An Economic, Fiscal, and Social Impact Analysis with Community Attitudes Survey Assessment

This represents a wide range of properties, including a number of large resorts with staffing at amenities that would tend to inflate the headcount to position ratio. Payroll data was not included in the study; however, proprietary data at comparably located California properties to Tejon show annual wages and salaries averages in the $30,000 to $32,000 range on an FTE basis in the 2015 to 2017 timeframe. These averages are salaries and wages paid by the property and as such they do not include taxes and benefits or tips, which are substantial for table dealers and wait staff.

The State of Louisiana provides employment data for its casinos, revealing employee to position ratios and average pay data highly consistent with California. Average pay per employee headcount was $28,404 in FY 2015, and average number of employees per gaming position is 0.67. As shown in the table below, many properties have hotels requiring staffing which would tend to inflate the headcount to position ratio. These Louisiana payroll totals do not include benefits.

Table 64: Louisiana Employment Data

	$ Payroll	Employees (Headcount)	$ Per Employee	Gaming pos.	Employees per Position	Hotel Rooms
Amelia Belle Casino	7,715,171	333	23,169	934	0.36	0
Belle of Baton Rouge	19,257,997	539	35,729	860	0.63	300
Boomtown New Orleans	15,773,901	655	24,082	1,440	0.45	150
Boomtown Bossier City	12,919,561	553	23,363	1,093	0.51	188
Cypress Bayou (Chitimacha Tribe)	18,804,836	807	23,302	1,560	0.52	102
Hollywood Baton Rouge	14,558,535	419	34,746	1,011	0.41	0
L'Auberge Baton Rouge	21,160,374	1,074	19,702	1,776	0.60	205
Eldorado Shreveport	23,791,268	1,136	20,943	1,747	0.65	403
L'Auberge Lake Charles	73,297,258	2,167	33,824	2,007	1.08	1,000
Horseshoe Casino	38,288,642	1,287	29,750	1,726	0.75	606
Diamond Jacks	15,600,020	495	31,515	1,002	0.49	570
Margaritaville Bossier City	30,977,477	1,032	30,017	1,522	0.68	395
Isle Lake Charles	24,023,916	967	24,844	1,446	0.67	501
Treasure Chest	22,110,087	693	31,905	1,203	0.58	0
Sam's Town Shreveport	22,649,968	864	26,215	1,143	0.76	514
Golden Nugget Lake Charles	69,331,592	2,127	32,596	2,069	1.03	1,100
Average	430,260,603	15,148	28,404	22,539	0.67	6,034

Source: Louisiana Gaming Control Board

Indiana casinos have very similar ratios. The state as a whole has nearly the identical number of gaming positions as Louisiana but far fewer hotel rooms; therefore the average ratio is slightly lower, at 0.58.

Table 65: Indiana Employment Data

	Employees	Gaming Positions	Employees per Position	Hotel Rooms
Ameristar	1,261	2,088	0.60	290
Belterra Casino	920	1,438	0.64	608
Blue Chip	992	1,967	0.50	184
French Lick	1,651	1,146	1.44	686
Hollywood Lawrenceburg	918	1,978	0.46	295
Hoosier Park	795	1,814	0.44	0
Horseshoe (North)	1,846	3,196	0.58	0
Horseshoe (South)	1,323	2,204	0.60	503
Indiana Grand	978	2,105	0.46	0
Majestic Star (2)	964	2,098	0.46	300
Rising Star	568	1,098	0.52	294
Tropicana Evansville	801	1,383	0.58	338
Total	13,017	22,515	0.58	3,498

Source: Indiana Gaming Commission

APPENDIX E: INNOVATION GROUP QUALIFICATIONS

The Innovation Group has extensive experience completing economic and community impact studies for gaming and hospitality development. The list of projects below represents a sample of The Innovation Group Project Team's community impact work to date.

Recent Social, Community & Economic Impact Experience

Government of Bermuda and the Bermuda Hotel Association (BHA)

The Innovation Group was engaged to provide consulting services to the Bermuda Government and the Bermuda Hotel Association regarding the potential implementation of gaming in Bermuda. This highly visible project involved working for a combined public/private Tribe (a joint effort between the Government of Bermuda and the local Hotel Association) and was of a highly comprehensive and complex nature. In order to help determine the potential and methodologies for the tourism-focused jurisdiction, we applied a series of qualitative and quantitative tools including a gaming market assessment, a legislation study, tax considerations, and economic/social impact analysis.

Advisor to City of Springfield, Massachusetts

Through the prominent legal firm Shefsky & Froelich, who had been engaged to represent City of Springfield in its negotiations with potential casino developers, The Innovation Group was engaged in 2013 as an expert advisor to assist with the review of operator bids for a proposed casino resort in Springfield. The Innovation Group helped the city develop economic impact estimates for each submission, including such services as police, fire, EMS, schools and other impacted departments. We reviewed each of the applicant's proposals and provided a critical review of each with respect to fiscal economic impacts.

State of Massachusetts

The Innovation Group was tasked by the State Senate of Massachusetts to evaluate several development scenarios based on pending legislation to enable casino gaming in the Commonwealth. The State Senate request included the preparation of a tax and regulatory discussion providing competitive intelligence into other jurisdictions, recommendations on specific legislative elements based on the Commonwealth's goals, and their fiscal impacts. Statewide gaming revenue estimates forecasted the gross gaming revenues and job creation that could be generated under a number of development scenarios. The revenue estimates were further evaluated to answer two key policy questions: the amount of revenue that would have accrued out of state in the absence of enabling legislation and the impact that casino gaming would have on the lottery.

Based on the recommendations and conclusions in our report, the State Senate of Massachusetts drafted legislation that created three development zones for large scale casino developments in the state. The tax and regulatory discussion in our report was included in the final legislative proposal that the Governor signed into law.

The legislation being considered was expansive and scope and included a large amount of stakeholders, including our Tribe, the Massachusetts State Senate and the potential developers and the Native American Tribes. Because of the different goals of each stakeholder, we developed a model that allowed us to evaluate multiple scenarios and iterations. The outcome of our modeling provided results that showed the full gaming potential to maximize the state's tax revenue potential while weighing the feasibility of the casino developments across the state.

Sullivan County, New York, Community Service Mitigation Analysis

In 2003, the Innovation Group was engaged by counsel for a proposed Native American casino in Sullivan County to provide a community mitigation analysis as part of a federal Environmental Impact Assessment for the Department of Interior.

Plainridge Racecourse Social/Community Impact Analysis & Strategic Research

In 2012, the Innovation Group was engaged by Plainridge Racecourse to provide market analysis, financial pro forma, and socio-economic social impact in support of a gaming license application in Massachusetts, which has the most intensive application requirements of any gaming jurisdiction. Included in our analysis were a comprehensive social impact analysis and an assessment of community mitigation, with applicants being required to negotiate a Community Host Agreement.

Ohio Statewide Economic and Community Impact Assessments

The Innovation Group recently completed an economic impact study for two locations being considered in Ohio for development by the Eastern Shawnee Tribe. Included was a cost-benefit analysis for local host communities relative to the proposed development. Benefits examined included employment from construction and on-going operations, earnings, spending on local goods and services, and fiscal impacts from sales, hotel room, and income taxes.

Laurel Park, Maryland, Gaming Market Assessment and Economic Impact Assessment

The Innovation Group recently completed the feasibility analysis for a gaming license application at Laurel Park, Maryland. In addition to a gaming market assessment and operating pro formas, our services included an economic impact analysis as part of the application requirements.

Grand Ronde Economic and Community Impact Study

The Innovation Group was asked to complete a "reverse" economic impact study to gauge the potential impact on tribal income and departments of the proposed Cascade Locks casino. The IG assessed the potential impacts on Grand Ronde's departmental services, programs, and employment from a reduction in income from Spirit Mountain. Our involvement with this assignment provides our team with important insight into the current tribal organization and the future economic challenges facing the Grand Ronde.

State of New Hampshire Economic Impact

The Innovation Group prepared an analysis of the potential New Hampshire gaming market for the state legislature in considering options for development. Following a preliminary

review of the state, The Innovation Group developed six scenarios involving one or two casinos in three locations around the state. The scenarios were developed considering the state's two goals of maximizing revenue to the state and providing economic development opportunities to specific regions. The analysis projected both increased gaming revenues as well as potential impacts on other industries in the state such as the pari-mutuel industry, restaurants and bars, and increased governmental costs in the areas of enforcement and regulation.

Florida Statewide Economic Impact Analysis

The seven major racing operators in Florida engaged The Innovation Group to analyze the potential economic impact of the tax rate adjustment and addition of table games that are currently being discussed for the state of Florida. The goal of the assessment was to determine the aggregate construction expenditure and annual gaming revenue potential for Dade and Broward county pari-mutuel facilities assuming anticipated competitive environment and proposed legislative changes.

Economic Impact Assessment, Mile High USA, Inc., Aurora, Colorado

Mile High USA retained The Innovation Group to complete an Economic Impact Assessment for the potential addition of Video Lottery Terminals ("VLT's") at Arapahoe Park in Aurora, CO, including an optional scenario assuming the addition of VLT's to the South Colorado Gaming and Events Center in Pueblo, CO as well. We delivered a report including patron demand and revenue forecasts for each selected location; a sizing and supply distribution analysis looking at the appropriate number of VLT's for each site; an estimate of substitution to existing CO casinos; and an estimate of net direct and indirect economic impacts associated with construction and operation of each development, including a community needs assessment.

Kentucky Statewide Market & Social Impact Assessments

The Innovation Group was engaged to provide a statewide gaming market assessment, return on investment analysis and economic impact study for (2) two gaming scenarios in Kentucky. The first scenario assumed full-service slot and table gaming facilities at the state's (7) existing racetracks. The second scenario included several non-racetrack gaming locations. Using a gravity model, we developed revenue estimates, sizing and local capture potential from residents currently traveling out of state to gamble. The Innovation Group also conducted a qualitative study regarding the social cost of gaming, focusing on the impact to existing businesses in the area. A strategic plan acceptable to all participants was presented to the legislature with The Innovation Group providing supporting expert witness testimony regarding the findings.

Caesars Entertainment Economic & Social Impact Assessments, Suffolk Downs, Massachusetts

Caesar's Entertainment retained the Innovation Group to complete an analysis of the potential social and cultural impacts of casino at Suffolk Downs per the State of Massachusetts's Gaming Legislation. The report updated a feasibility study we conducted in 2009 with added analyses on the impact a casino could have on local and small businesses, bankruptcy, problem gambling, property values, unemployment, cultural institutions, and the Massachusetts State Lottery.

Kahnawake First Nation Economic & Social Impact Studies, Quebec, Canada

In 2013, The Innovation Group completed a gaming market assessment and operational pro forma for a proposed First Nations casino in Montreal, Quebec. Accompanying that study was a complete economic impact for the First Nations community assessing the impact the casino would have on jobs, local businesses, and visitation to the area, as well as a complete socio-economic impact analysis to help the First Nation understand the various positive and negative social impacts that a casino may have on the surrounding population.

Las Vegas Sands, Bethlehem, Pennsylvania: Housing and Tourism Impact Study

General Scope: The Innovation Group completed an impact analysis of a proposed casino in Bethlehem, Pennsylvania, detailing the impact to the local housing market and existing tourism market. Comparisons were made to changes in housing values of other jurisdictions where gaming has been initiated. Impacts studied included the existing tourism market as well as potential new tourism opportunities generated by the development and indirect benefits from advertising and increased visibility. The study also included analyses of historical and other cultural impacts.

Additional Public Sector Related Experience

State of Illinois

The Innovation Group recently completed work for the Office of the Governor, Patrick Quinn. The project included analyzing multiple development scenarios and tax structures to determine the optimal strategy for casino expansion in the state. We worked closely with the Governor's office staff to ensure that our analysis matched the evolving nature of the negotiations between the Governor and the state legislature. This work was completed as a continuation from a previous project for the state that included analyzing the impacts of the Lottery and ambient video lottery terminals (VLT's) being introduced across the state.

The Governor has used The Innovation Group's analysis to guide the actions of the office as it evaluated all of the potential legislative actions for expanded gaming in the state.

The development scenarios, sizing parameters and tax structure for the expansion to gaming in the stated were constantly evolving de nature of the discussions and negotiations between the governor and the state legislature. In order to be responsive to these changes and provide up to date results, we made our staff available and flexible to the needs of the Governor's Office. The ever evolving development scenario required our staff to be diligent with the modeling process in order to make sure that the correct results tied to each iteration of the discussion and negotiation.

OLG: Greater Toronto Area Market Assessment

The Innovation Group provided a market assessment for the greater Toronto Area (GTA), considering the 27 gaming facilities across Ontario (4 resort casinos, 17 racetrack slots and 6 charity casinos). To complete the scope of work, we referred to previous market studies and existing performance data, to consider opportunities within the GTA to further

maximize revenue and profitability at some GTA gaming facilities. Particular consideration was offered to the long term future of Casino Rama, as well as general substitution consideration for all OLG locations. We reviewed the supply and demand for GTA gaming facilities and developed a market assessment for the GTA that clarified which areas of unmet demand could be defined in a variety of scenarios. The key objectives of our analysis were to determine the unmet demand (gaming revenue) within the GTA, estimate gaming demand and substitution impacts, based on a variety of scenarios to be determined together by OLG and The Innovation Group, and determine the optimal scenario(s) for best capturing this unmet demand, including supply requirements and resulting gaming revenue impacts. OLG also asked us to explore various sizing options with respect specific properties.

Based on the results and recommendations in our report, The Ontario Lotteries and Gaming commission has initiated its privatization and modernization program for more than 25 casinos and slot clubs in the Greater Toronto Area.

In order to comprehensively address the gaming revenue potential for the market, The Innovation Group had to determine a solution to estimate the latent demand in the market. The latent demand is not usually addressed in projects like this because of the complexity needed in order to estimate the potential. We established a methodology that addressed the maximum potential demand in the market based on comparables from other mature operating markets in the world. In order to accomplish this we created a metric that estimated the average gaming spend per adult and benchmarked this spend against comparable mature markets to establish the maximum.

Pennsylvania Statewide Table Game Analysis

In 2009, on behalf of several casino operators, The Innovation Group assessed the revenue potential that table game operations would generate in the Commonwealth of Pennsylvania. Our services included a statewide economic impact study evaluating the benefits to the Commonwealth from the introduction of table games, as well as testimony to the legislature regarding our findings. Key to allowing this program to proceed was convincing the legislature to assess a low tax rate on table games which they eventually accepted. In addition we projected increase in slot revenue as a result of companion play.

Based on the conclusions in the report and testimony, the state legislature passed a bill that allowed for table games to be introduced at casinos at a competitive tax rate. The lower tax rate bill spurred development at the casinos which included capital improvements to the casino floor and non gaming amenities including food and beverage and hotel development.

On the outset of the report, the state legislature was seeking a tax rate and structure that would have been prohibitive to the growth of the gaming industry in the state of Pennsylvania. In order to realign the stance of the legislature, The Innovation Group relied on our expertise to show both the numerical explanation of the issue as well as the expository writing to relay the point.

City of Philadelphia, Philadelphia Gaming Advisory Task Force Advisory Services

The Innovation Group was engaged to complete comprehensive analysis of the proposed new slot operations in the city and to make recommendations as to the city's oversight of these facilities. The input we provided aided officials in understanding a range of issues related to the operations so that they could more proactively take part in the development of the new industry. Our work included performing site analyses for 11 sites, developing market assessments and revenue projections for 14 scenarios, developing 28 pro formas, estimating local and overnight modal splits, estimating the fiscal impacts of problem gambling and impacts of crime and providing secondary research on trends in gaming. As primary consultants, we also oversaw the work of other consultants including input into the design and analysis of surveys and focus groups, and input into traffic impact assessments. The Innovation Group won this coveted contract through an open bid process.

The city used our recommendations in the report to assign two locations for potential casino development. One of the locations is currently developed and operating as one of the state's highest revenue generating casinos.

There were two main complications with this project: (1) the management of all the subcontractors and (2) addressing the needs of the various stakeholders on the city's development and oversight committee. In order to manage the many sub contractors on this project, The Innovation Group utilized a comprehensive timeline and communication strategy that allowed all of the subcontractors to be able to complete their tasks in a timely manner. In order to address all of the stakeholders, The Innovation Group created a communication protocol that allowed the committee members to voice their opinions and concerns and the results were addressed and included in the reports outcome and recommendations. The committee members felt their concerns addressed based on the outcome of the report.

Pennsylvania Statewide Market Assessment, Senate Democratic Appropriations Committee

In support of a bill that became the basis for subsequent gaming legislation and a state goal to generate $1 billion in revenue, The Innovation Group conducted a gaming market analysis (using a gravity model at the statewide level) to determine the number, size and location of gaming licenses for 12 proposed facilities. Multiple scenarios were addressed in order to determine the distribution which would maximize state tax revenues and ensure viable developments. The report also included a financial analysis of the break-even point for development given a proposed $50 million license fee and construction and financing costs. The recommendations of the report were eventually accepted by the state and incorporated into legislation. Following the passage of the bill, The Innovation Group also took a lead role on Philadelphia's Gaming Advisory Task Force to recommend optimum locations for gaming facilities in the city.

Legislation was drafted and passed through the state legislature based on the outcome and recommendation from The Innovation Group Report. The report identified the proximate sizing and location of casinos in the state that would generate over $1 billion in gaming tax revenue. Subsequent to the development of the casinos the state has received over $1 billion in total tax revenue.

Maryland Senate

Paul Girvan, a Managing Director/Partner of The Innovation Group and member of our proposed project team, testified before the Maryland Senate and provided revenue estimates in support of the legislation in 2004 and then again in 2007. The bill's success was partially based on our projections of gaming revenues that the state could put into its school system.

Government of Jamaica, Tourism Development & Strategic Planning Advisory Services

The Innovation Group has been retained and is working on an on-going basis for the Government of Jamaica's Public-Private Joint Venture to develop leisure and tourism attraction on the Country's north coast between Montego Bay and Ocho Rios in an area called Harmony Cove. The Innovation Group provided strategic planning, feasibility analysis, economic impact analysis, capital cost estimates and business planning support for a master plan development that will leverage landside uses drawing from a new cruise ship terminal at Falmouth and include hotels, casinos and other themed recreation all based upon a cultural fabric embedded in the country's musical history. The Innovation Group has played a key role in sourcing management for the proposed property, and structuring the operating agreement for management.

National Government of Panama

The Innovation Group assessed the potential gaming market in Panama under a number of scenarios relating to privatization, facility placement, and mixture of full casinos and slot rooms. Subsequent to our analysis, the state-run, hotel-based casinos and slot rooms were privatized and upgraded by international operators.

The Innovation Group Project Team

Thomas J. Zitt, Ph.D. – Executive Vice President

Since joining The Innovation Group in 1997, Thomas Zitt has excelled at market analytics and high-level strategic planning, earning his reports a reputation for accuracy and reliability unsurpassed in the gaming industry.

Tom lives in New Orleans but directs training, modeling and quality control for all Innovation Group offices. The depth of his analysis provides tribes, developers and government bodies with the confidence that their decisions are being made on sound economic foundations, and the methodological soundness and comprehensiveness of his expert witness reports have been critical in his Tribes' success in a number of legal proceedings.

Market sizing is a particular strength. Tom conducted the statewide gravity model analysis used by Pennsylvania legislators in structuring the state's highly successful gaming legislation. He has also consulted for the Illinois Governor's office and numerous developers in assessing potential revenue impacts of statewide gaming expansion. Additional statewide gravity models include Alabama, California, Florida, Georgia, Kentucky, Massachusetts, Michigan, New York, Ohio, Virginia, and West Virginia. He has also worked extensively in Atlantic City, Indiana, Iowa, Louisiana, Mississippi, Missouri, New Mexico, Oregon, Washington, and Wisconsin. His

international experience extends to the United Kingdom, Isle of Man, Cambodia, Japan, Kazakhstan, Laos, Macau, Mongolia, the Philippines, Russia and Russian Far East, Spain, and South Korea.

His work for tribes extends beyond gaming as he has completed economic diversification and strategic planning studies for tribal councils in California, Michigan, and Oregon.

In addition, Tom has assessed the economic, social and fiscal impacts of gaming in numerous developing jurisdictions, including Massachusetts, New York, and Ohio. He has also conducted regional analyses for investment firms like CIBC World Markets, Deutsche Bank and Bear Stearns looking to understand the impacts of new gaming development. Tom received his doctorate in American Culture Studies from Bowling Green University.

Angela Slovachek, Project Manager

Angela joined The Innovation Group in February 2015 while finishing her Master's degree in Urban and Regional Planning at the University of New Orleans. Angela's previous work as a research analyst at a New Orleans consulting firm in addition to ten years of managerial experience in the restaurant industry makes her a viable asset to our team.

Based out of our New Orleans office, Angela's primary focus has been in the domestic market for both commercial and Native American projects. Since joining our team she has assisted in market analyses, financial forecasts, economic impact studies and diversification strategies for our Tribes in the Gaming and Hospitality Industries. She also collaborates on some of the company's International projects providing market research for feasibility studies and white papers. Angela contributes to our Emerging Leaders of Gaming initiative by writing for the Global Gaming Business Magazine's column on 40 Under 40 award recipients.

She is currently an active member of the American Planning Association (APA) and Louisiana Urban & Regional Information Systems Association (LAURISA), an organization dedicated to the effective and ethical use of spatial information technologies.

In addition to her MURP degree, Angela obtained a B.A. in Economics and International Development and a Certificate in Peace Studies and Conflict Resolution while attending the University of Wisconsin in Milwaukee. With a lifelong commitment to community service, Angela proudly served as a United States Peace Corps volunteer in Benin, West Africa from 2010-12.

APPENDIX J

CUMULATIVE PROJECTS

Transportation Projects – All Alternative Sites

A number of transportation projects separate from the alternatives are planned to be completed or in progress during the Opening Year (2023); these projects are listed below. It should be noted that the cumulative analysis influence area incorporates the vicinities of both alternative sites analyzed in this EIS (e.g., the Mettler Site and the Maricopa Highway Site). A review of these projects indicates that they will not add significant traffic to the project study area intersections, roadway segments, or freeway mainline segments. Instead, they will in fact generally improve road conditions, safety, and traffic flow in the vicinity.

- **I-5 Freight Corridor California Aqueduct:** South of the I-5 south of the I-5/SR-99 interchange, this project will improve the load rating of the aqueduct bridge.
- **I-5 Fast Freight Corridor I-5/SR-99 Separation:** At the I-5/SR-99 interchange, this project will improve the vertical clearance of the separation bridge along SR-99 by lowering SR-99 by approximately 8 inches on the NB side and 12 inches on the SB side to achieve the standard vertical clearance of 16 feet and 6 inches.
- **Zero Emissions Vehicle Charging Project:** This project will install zero emissions vehicle charging stations on pre-developed paved parking lots, including at the El Tejon Park and Ride (SB) south of the I-5/SR-99 interchange.
- **Panama and White Lane Vertical Clearance Improvements:** Located along SR-99 between Union Avenue and White Lane Overcrossing (between the Mettler Site and City), this project will rehabilitate pavement and improve the vertical clearance of two overcrossings along SR-99.
- **Kern 99 NB Rehabilitation:** Located on SR-99 between I-5 and the Panama Lake Overcrossing, this project will rehabilitate the NB lanes of SR-99 with reinforced concrete pavement to increase the pavement life and restore the structural integrity of the truck lane.
- **SR-99/Taft Highway Rehabilitation:** Located on SR-99 from north of Herring Road to the Pacheco Road undercrossing, this project will rehabilitate the outside SB lane of SR-99 and repave the shoulder.
- **Bakersfield 99 Rehabilitation Project:** Along SR-99 within City, this project will improve lanes with reinforced concrete pavement, widen and reconstruct the shoulder, adjust slopes, compact soil, and remove vegetation.
- **California Aqueduct Bridge Replacement:** This project will replace the bridge along SR-166 located east of Maricopa and 5 miles west of I-5.
- **Enos Lane CAPM and ADA Ramps Project:** This project will resurface pavement, replace guardrails, update curb ramps, and apply shoulder backing to SR-43 between SR-119 (Taft Highway) and SR-58.
- **Manor Street Bridge Rehabilitation and Seismic Retrofit Project:** This project will rehabilitate, widen, and retrofit the Manor Street Bridge over the Kern River in City.
- **Centennial Corridor:** This project will construct the Centennial Corridor as an east-west transportation corridor for SR-58 to provide route continuity with I-5. This will require bride widening, pipeline relocation, and work on three existing bridges.
- **Accelerated Pavement Failure Repairs:** This project will remove/replace hot mix asphalt along I-5.
- **Kern River Parkway Bike Trail Western Extension:** This project will construct 7 miles of bike path from the existing trail to the Buena Vista Recreational Area.

Regional Development Projects

There are several planned development projects in the unincorporated County and in Los Angeles County that have been considered as part of the cumulative analysis. The Mettler and Maricopa Highway sites are within 10 miles of the City's Sphere of Influence (SOI). A number of development projects that are anticipated to occur outside of the City's SOI, but within the southwest County area, have been considered for the cumulative effects analysis at both alternative sites. Cumulative projects are listed in **Table 1**.

TABLE 1
CUMULATIVE DEVELOPMENT PROJECTS

Project Name	Type	Description	Size	Distance from Mettler Site
Kern County				
Recology Blossom Valley Organics – South	Public Utilities	Expand compost facility with 7 additional acres	197 acres	9 miles north
San Emido Quarry Expansion Project	Mining	Expand quarry by 3,209 acres	4,011 acres	10 miles west
Grapevine Specific and Community Plan	Mixed	12,000 residences; 10,748,400 sf of commercial development	8,010 acres	6 miles south
City of Bakersfield				
Bakersfield Commons	Mixed	1,400,000 sf of retail commercial; 600,000 sf of office commercial; 345 multi-family residences; 80 single-family residences	255 acres	22 miles north
Making Downtown Bakersfield Vision Plan	Mixed	2,005,000 sf office; 8,750 residences; 906,000 retail; 2,400 hotel rooms; high speed rail station	1,472	21 miles north
Kern River Flow and Municipal Water Program	Public Utilities	Increase and enhance the City's water supply	n/a	21 miles north
SR-99/Hosking Commercial Center Project	Commercial	800,000 sf retail, 240 hotel rooms	85 acres	14 miles north
Moran Development GPA/Zone Change	Residential	613 residences	38 acres	16 miles north
Norris School District	Public Services	New elementary school; 750 K-6 students; 60,000-70,000 sf	16 acres	>20 miles north
Aurora Program	Public Services	New K-8 school; 120 students; behavioral and mental health support services	38,500 sf	21 miles north
GPA/Zone Change at SR-199 and Ashe Road	Commercial	61,855 sf of retail commercial use	5.68 acres	14 miles north
Los Angeles County				
Centennial at Tejon Ranch	Mixed	19,333 homes, 10.2 million square feet of retail/public/business park/office space/civic development	12,323 acres	20 miles south

Notes: sf = square feet
Source: Kern County, 2018a; Kern County, 2018b; OPR, 2018.

Other Potential Future Development of the Alternative Sites

The Mettler and Maricopa Highway sites may eventually be able to support higher density development than described in Alternatives A1, A2, and B. While somewhat speculative, since no firm proposals or funding are in place, potential future developments could include the buildout of residential, commercial, and agricultural areas (Figures 2-3, 2-7, and 2-11). The specifics of these assumed potential future developments vary between alternatives and are described in **Table 2**. This potential future development may occur over the course of 10 to 20 years following the initial development of the proposed casino resort facilities. However, to provide a conservative analysis of maximum year emissions, the air quality modeling assumed that the future development would be constructed over a two-year period, from 2030 to 2032, and would be fully operational by 2032. The effects of this potential induced growth are discussed independently in Section 3.14.2 of the EIS because they are a distinct subset of indirect effects from the project alternatives.

TABLE 2
POTENTIAL FUTURE DEVELOPMENT

	Alternative A1		Alternative A2		Alternative B	
Area	**Size of Components**	**Total Area**	**Size of Components**	**Total Area**	**Size of Components**	**Total Area**
Potential Future Development (Phase 2)						
Organic Farm	**-**	**40 acres**	**-**	**40 acres**	**-**	**30 acres**
Residential Community	**92 homes**	**102 acres**	**92 homes**	**102 acres**	**15 homes**	**16 acres**
Community Park	**-**	**29 acres**	**-**	**52 acres**	**-**	**2.5 acres**
Community/Tribal Area	**153,500 sf**	**25 acres**	**153,500 sf**	**25 acres**	**30,000 sf**	**7 acres**
Community Center	68,000 sf	-	68,000 sf	-	9,000 sf	-
Health Center	43,000 sf	-	43,000 sf	-	9,000 sf	-
Tribal Administration	42,500 sf	-	42,500 sf	-	12,000 sf	-

Notes: Line items do not precisely add to total due to rounding. sf = square feet. Dash represents table items that are not available or not applicable.
Source: Friedmutter Group, 2018.

APPENDIX K

REFINED EXPANDED REGULATORY SETTING

EXPANDED REGULATORY SETTING

INTRODUCTION

This section summarizes the framework of laws, regulations, and agreements pertaining to the sites and actions outlined throughout this Environmental Impact Statement (EIS). The relevant legislation is organized by resource category, and while most regulations discussed within the document are described here, this list is not comprehensive and is limited to the primary regulations relevant to the analysis within the EIS.

GEOLOGY AND SOILS – SECTION 3.2 OF EIS

FEDERAL

Clean Water Act

The State Water Resources Control Board (SWRCB) requires a Construction General Permit if a project will disturb one or more acres of soil. A site-specific Storm Water Pollution Prevention Plan is required under this permit. For more information on the Clean Water Act (CWA) and the SWRCB, see **Water Resources** below.

STATE AND LOCAL

California Code of Regulations (California Building Code)

The California Building Code (CBC) is Title 24 of the California Code of Regulations (CCR). The CBC establishes minimum building requirements to protect public health, safety, and general welfare. The requirements regulate construction, alterations, occupancy, location, maintenance, removal and demolition of every building or structure or any appurtenances connected or attached to such buildings or structures throughout the State of California (International Code Council, 2017).

Alquist-Priolo Earthquake Fault Zoning Act

The Alquist-Priolo Earthquake Fault Zoning Act (Alquist-Priolo Act), signed into law December 22, 1972 after the 1971 San Fernando earthquake, requires the delineation of zones along active and potentially active faults in California. The California Geological Survey (CGS) defines an "active" fault as one that exhibits evidence of activity during the last 11,000 years. Faults that exhibit evidence of Quaternary activity (within the last 1.6 million years) are considered to be "potentially active." The purpose of the Alquist-Priolo Act is to regulate development on or near fault traces to reduce the hazard of fault rupture and to prohibit the location of most off-Reservation structures for human occupancy across these traces. Fault zones defined by the Alquist-Priolo Act are areas around active faults, averaging approximately one-quarter mile wide, within which cities and counties having jurisdiction must regulate certain development projects (DOC, 2019; CGS, 2018a).

Seismic Hazards Mapping Act

The Seismic Hazards Mapping Act was enacted in 1990 to protect the public from the effects of strong ground shaking, liquefaction, landslides, ground failure, or other hazards caused by earthquakes. This act requires a state geologist to delineate various seismic hazard zones and requires cities, counties, and other local permitting agencies to regulate certain development projects within the portions of those zones where they have jurisdiction. Before a development permit is granted by a city, county, or other local permitting agency for a site within a seismic hazard zone, a geotechnical investigation must be conducted and appropriate mitigation measures must be incorporated into the project's design. Ground shaking probability maps have been developed in conjunction with the U.S. Geological Survey for all of California (DOC, 2016a; CGS, 2018b).

Surface Mining and Reclamation Act

The Surface Mining and Reclamation Act (SMARA) of 1975 requires all jurisdictions to incorporate mapped mineral resources designations approved by the California Mining and Geology Board within their general plans. SMARA was

enacted to limit new development in areas with significant mineral deposits. The California Department of Conservation's (DOC) Office of Mine Reclamation and the California Mining and Geology Board are jointly charged with ensuring proper administration of the act's requirements. The California Mining and Geology Board circulates regulations to clarify and interpret the act's provisions and also serves as a policy and appeals board (DOC, 2016b).

Kern County Code of Building Regulations

The Kern County Code of Building Regulations (KCCBR) contains the 2016 CBC with local modifications, additions, and amendments. The KCCBR applies to grading, building construction/alteration, and mechanical, electrical, and plumbing systems. The code includes an amendment to the geotechnical evaluation section of the CBC, specifying that a geotechnical study must be completed if load-bearing pressure is assumed to exceed 1,500 pounds per square foot (Kern County, 2017c).

Kern County General Plan

The Kern County General Plan (KCGP) is the guiding document for development in Kern County (County). The Land Use, Open Space, and Conservation Element describes policies and goals regarding mineral and soil resources and identifies borax, cement, and construction aggregates as significant minerals under production in the County (Kern County, 2009). The Safety Element, sections 4.3 and 4.5, describes policies and goals regarding seismic and geologic hazards in the County. Applicable geologic hazards include seismically induced surface rupture, ground shaking, and ground failure, as well as landslides, subsidence, seiche, and liquefaction. Development on soils susceptible to seismic activity requires special permit review procedures and a geological investigation. Construction must meet reasonable standards for seismic resistance, site stability, grading, and geologic studies (Kern County, 2009).

WATER RESOURCES – SECTION 3.3 OF EIS

FEDERAL

Executive Order 11988

Executive Order (EO) 11988 requires federal agencies to avoid to the extent possible the long and short-term adverse impacts associated with the occupancy and modification of flood plains and to avoid direct and indirect support of floodplain development wherever there is a practicable alternative. Specifically, EO 11988 states that agencies shall first determine whether the proposed action will occur in a floodplain. EO 11988 defines a floodplain as an area that has a one percent or greater chance of flooding in any given year. Second, if an agency proposes to allow an action to be located in a floodplain, "the agency shall consider alternatives to avoid adverse effects and incompatible development in the floodplains." If the only practicable alternative action requires siting in a floodplain, the agency shall "minimize potential harm to or within the floodplain," (FEMA, 2015).

Federal Emergency Management Agency

The Disaster Relief Act of 1974 as amended by the Robert T. Stafford Disaster Relief and Emergency Assistance Act of 1988 created the Federal Emergency Management Agency (FEMA), which is responsible for determining flood elevations and floodplain boundaries based on U.S. Army Corps of Engineers (USACE) studies. FEMA is also responsible for distributing Flood Insurance Rate Maps, which are used in the National Flood Insurance Program. These maps identify the locations of special flood hazard areas, including 100-year floodplains (FEMA, 2018).

Clean Water Act

The federal CWA, 33 U.S. Code (USC) Section 1251(a)(2), sets forth national goals that waters shall be "fishable, swimmable" waters (CWA Section 101 [a][2]). The CWA addresses both point and non-point sources of pollution (Sections 402 and 319, respectively), both of which are controlled through the National Pollution Discharge Elimination System (NPDES). An NPDES permit must be obtained in order to discharge policy pollutants into "Waters of the U.S." In some states, the U.S. Environmental Protection Agency (USEPA) has delegated permitting authority to the regional water quality agency, which is the SWRCB in this case. However, the USEPA retains authority to regulate discharges to waters on tribal lands.

Section 303(d) of the CWA requires states to periodically prepare a list of all surface waters in their respective jurisdictions for which beneficial uses of the water – such as for drinking, recreation, aquatic habitat, and industrial use – are impaired by pollutants. These include water bodies that do not meet state surface water quality standards and are not expected to improve within the next two years. States establish a priority ranking of these impaired waters for purposes of developing water quality control plans that include Total Maximum Daily Loads (TMDL). A TMDL is a calculation of the maximum amount of a pollutant that a water body can receive and still meet water quality standards, and includes an allocation for each of the pollutant's sources. These water quality control plans describe how an impaired water body will meet water quality standards through the use of TMDLs.

Safe Drinking Water Act

Under the mandate of the Safe Drinking Water Act, the USEPA sets legally enforceable National Primary Drinking Water Regulations (primary standards) that apply to public water systems. These standards are established to protect human health by limiting the levels of contaminants in drinking water. The USEPA does not oversee the construction and permitting of groundwater wells, but requires that public health standards, such as an effectively installed sanitary seal, are in place, and recommends that water systems be installed to meet California Department of Public Health Standards. The USEPA will also primarily establish monitoring and operational requirements, which will typically be specific to the project area.

The on-site water supply system under Alternative A described in Section 2.2 of the EIS would be characterized as a Non-Transient Non-Community (NTNC) Water System (USEPA, 2016). Monitoring requirements for NTNC public water systems typically include total coliform, nitrate, inorganic chemicals, volatile organic chemicals, non-volatile synthetic organic chemicals, secondary drinking water standard constituents, and general chemistry (including alkalinity, hardness, and minerals). The frequency of sampling varies and may be reduced over time.

The USEPA also defines National Secondary Drinking Water Regulations (secondary standards) for contaminants that cause cosmetic and aesthetic effects, but not for health effects. The USEPA recommends that these secondary standards be met but does not require systems to comply with them. Both primary and secondary drinking water standards are expressed as either Maximum Contaminant Levels (MCL), which define the highest level of a contaminant allowed in drinking water, or Maximum Contaminant Level Goals, which define the level of a contaminant below which there is no known or expected risk to health.

STATE AND LOCAL

Porter-Cologne Water Quality Act

The Porter-Cologne Water Quality Control Act provides the basis for surface water and groundwater quality regulation within California. The act established the authority of the SWRCB and the nine Regional Water Quality Control Boards (RWQCB). The act requires the State, through the SWRCB and the RWQCBs, to designate beneficial uses of surface waters and groundwater and specify water quality objectives designed to protect those uses. These water quality objectives are presented in the Regional Water Quality Control Plans. The alternative sites fall within the boundaries of the Central Valley Regional Water Quality Control Board (CVRWQCB).

The surface water quality standards for State of California include both narrative and numerical water quality objectives to keep California's waters swimmable, fishable, drinkable, and suitable for use by industry, agriculture, and the citizens of the state. The water quality objectives are summarized in **Table 1.**

TABLE 1
WATER QUALITY STANDARDS FOR CALIFORNIA SURFACE WATERS

Constituent	Water Quality Objective
Fecal Coliform	In waters designated for contact recreation (REC-1), the fecal coliform concentration based on a minimum of not less than five samples for any 30-day period shall not exceed a geometric mean of 200/100 mL, nor shall more than 10 percent of the total number of samples taken during any 30-day period exceed 400/100 mL.
Dissolved Oxygen (DO)	Waste discharges shall not cause the monthly median DO concentrations in the main water mass (at centroid of flow) of streams and above the thermocline in lakes to fall below 85 percent of saturation concentration, and the 95 percentile concentration to fall below 75 percent of saturation concentration. The DO in surface waters shall always meet or exceed the concentrations in Table 3-1 for the listed specific water bodies and the following minimum levels for all aquatic life: ▪ Waters designated WARM 5.0 mg/L ▪ Waters designated COLD or SPWN 7.0 mg/L Where ambient DO is less than these objectives, discharges shall not cause a further decrease in DO concentrations.
Temperature	Natural temperatures of waters shall not be altered unless it can be demonstrated to the satisfaction of the CVRWQCB that such alteration in temperature does not adversely affect beneficial uses. Temperature objectives for COLD interstate waters, WARM interstate waters, and Enclosed Bays and Estuaries are as specified in the Water Quality Control Plan for Control of Temperature in the Coastal and Interstate Waters and Enclosed Bays of California, including any revisions. Elevated temperature wastes shall not cause the temperature of waters designated COLD or WARM to increase by more than 5°F above natural receiving water temperature. In determining compliance with the above limits, the CVRWQCB may prescribe appropriate averaging periods provided that beneficial uses will be fully protected.
pH	The pH shall not be depressed below 6.5 nor raised above 8.3.
Toxicity	All waters shall be maintained free of toxic substances in concentrations that produce detrimental physiological responses in human, plant, animal, or aquatic life. This objective applies regardless of whether the toxicity is caused by a single substance or the interactive effect of multiple substances. Compliance with this objective will be determined by analyses of indicator organisms, species diversity, population density, growth anomalies, biotoxicity tests of appropriate duration, or other methods as specified by the Regional Water Board. The CVRWQCB will also consider all material and relevant information submitted by the discharger and other interested parties and numerical criteria and guidelines for toxic substances developed by the SWRCB, the California Office of Environmental Health Hazard Assessment, the State Water Board Division of Drinking Water Programs, the U.S. Food and Drug Administration, the National Academy of Sciences, the USEPA, and other appropriate organizations to evaluate compliance with this objective. The survival of aquatic life in surface waters subjected to a waste discharge or other controllable water quality factors shall not be less than that for the same water body in areas unaffected by the waste discharge, or, when necessary, for other control water that is consistent with the requirements for "dilution water" as described in Standard Methods for the Examination of Water and Wastewater, 18th Edition. As a minimum, compliance shall be evaluated with a 96-hour bioassay. In addition, effluent limits based upon acute biotoxicity tests of effluents will be prescribed where appropriate; additional numerical receiving water quality objectives for specific toxicants will be established as sufficient data become available; and source control of toxic substances will be encouraged.
Radioactive Substances	Radionuclides shall not be present in concentrations that are deleterious to human, plant, animal, or aquatic life nor which result in the accumulation of radionuclides in the food web to an extent that presents a hazard to human, plant, animal, or aquatic life. At a minimum, waters designated Municipal and Domestic Supply (MUN) shall not contain concentrations of radionuclides in excess of the MCL specified in Table 64442 of Section 64442 and Table 64443 of Section 64443 of Title 22, CCR, which are incorporated by reference into this plan. This incorporation-by-reference is prospective, including future changes to the incorporated provisions as the changes take effect.
Taste and Odor	Waters shall not contain taste- or odor-producing substances in concentrations that cause nuisance, adversely affect beneficial uses, or impart undesirable tastes or odors to fish flesh or other edible products of aquatic origin or to domestic or municipal water supplies.

Notes: mL = milliliters; mg/L = milligrams per liter.
Source: CVRWQCB, 2018.

Sustainable Groundwater Management Act

The intent of the California Sustainable Groundwater Management Act (SGMA; Water Code § 10720 et seq.) is to "enhance local management of groundwater consistent with rights to use or store groundwater… [and] to preserve the security of water rights in the state to the greatest extent possible consistent with the sustainable management of

groundwater." The SGMA states that "any local agency or combination of local agencies overlying a groundwater basin may elect to be a groundwater sustainability agency for that basin" (Water Code § 10723). A groundwater sustainability agency will be formed within each groundwater basin to prepare and implement a plan for long-term groundwater sustainability.

The Kern Groundwater Authority (KGA) Groundwater Sustainability Agency (GSA) was formed in April 2017 to comply with the SGMA. Members of the KGA include the County; Kern County Water Agency; Arvin Community Services District; Arvin-Edison, North Kern, Rosedale-Rio Bravo, Semitropic, and Wheeler Ridge-Maricopa Water Storage Districts; Cawelo, Kern-Tulare, Tejon-Castaic, and West Kern Water Districts; City of Shafter; Kern Water Bank Authority; Shafter-Wasco Irrigation District; Southern San Joaquin Municipal Utility District; and Westside District Water Authority. As of December 2017, the GSA had not yet finalized a groundwater sustainability plan for the Basin (KGA, 2017b), which would be applicable to the Basin underlying the alternative sites.

Title 22 California Code of Regulations

Title 22 CCR Division 4, Chapter 3 regulates the sources, uses, and quality standards of recycled water in the State. Article 3, Section 60304(a) requires that any recycled water used for the irrigation of food crops, parks and playgrounds, and residential landscaping shall be a disinfected tertiary recycled water. Article 1, Section 60301.230 defines disinfected tertiary recycled water as a wastewater that has been filtered and disinfected, and which meets the following criteria.

A) The filtered wastewater has been disinfected by either: (1) A chlorine disinfection process following filtration that provides a CT (the product of total chlorine residual and modal contact time measured at the same point) value of not less than 450 milligram-minutes per liter at all times with a modal contact time of at least 90 minutes, based on peak dry weather design flow; OR (2) A disinfection process that, when combined with the filtration process, has been demonstrated to inactivate and/or remove 99.999 percent of the plaque forming units of F-specific bacteriophage MS2, or polio virus in the wastewater. A virus that is at least as resistant to disinfection as polio virus may be used for purposes of the demonstration.
B) The median concentration of total coliform bacteria measured in the disinfected effluent does not exceed a most probable number (MPN) of 2.2 per 100 mL using the bacteriological results of the last seven days for which analyses have been completed and the number of total coliform bacteria does not exceed an MPN of 23 per 100 mL in more than one sample in a 30-day period. No sample shall exceed an MPN of 240 total coliform bacteria per 100 mL.

Kern County General Plan

The KCGP encourages the preservation of the floodplain's flow conveyance capacity, especially in floodways, to be open space/passive recreation areas throughout the County. The County will allow lands which are within flood hazard areas, other than primary floodplains, to be developed in accordance with the General Plan and Floodplain Management Ordinance if mitigation measures are incorporated as to ensure that the proposed development will not be hazardous within the requirements of the Safety Element of the General Plan. In addition, the County will comply with the Colbey-Alquist Floodplain Management Act. This requires the local agency with jurisdiction over land use regulations to adopt a floodway ordinance preventing structures in a residual flood plain that may endanger life or significantly restrict the carrying capacity of the floodway (Kern County, 2009).

Tulare Lake Basin Water Quality Control Plan

The Tulare Lake Basin Water Quality Control Plan (Tulare Basin Plan) designates beneficial uses for water bodies within the Tulare-Buena Vista Lake Basin, sets water quality objectives based on these uses, and proposes a plan to implement these objectives. **Table 2** displays quality objectives identified in the Tulare Basin Plan for all groundwater within the Tulare-Buena Vista Lakes Basin.

TABLE 2
WATER QUALITY OBJECTIVES FOR GROUNDWATER WITHIN THE TULARE BASIN PLAN

Constituent	Objectives
Bacteria	In groundwater designated MUN, the concentration of total coliform organisms over any 7-day period shall be less than 2.2/100 mL.
Chemical Constituents	Groundwater shall not contain chemical constituents in concentrations that adversely affect beneficial uses. The Regional Water Board will consider all material and relevant information submitted by the discharger and other interested parties and numerical criteria and guidelines for detrimental levels of chemical constituents developed by the State Water Board, the California Office of Environmental Health Hazards Assessment, the State Water Board Division of Drinking Water Programs, the U.S. Food and Drug Administration, the National Academy of Sciences, the USEPA, and other appropriate organizations to evaluate compliance with this objective. At a minimum, waters designated MUN shall not contain concentrations of chemical constituents in excess of the MCLs specified in the following provisions of Title 22 of the CCR, which are incorporated by reference into this plan: Tables 64431-A (Inorganic Chemicals) and 64431-B (Fluoride) of Section 64431, Table 64444-A (Organic Chemicals) of Section 64444, Table 64449-A (Secondary Maximum Contaminant Levels-Consumer Acceptance Limits), and 64449-B (Secondary Maximum Contaminant Levels-Ranges) of Section 64449. This incorporation-by-reference is speculative, including future changes to the incorporated provisions as the changes take effect. At a minimum, water designated MUN shall not contain lead in excess of 0.015 mg/L. To ensure that waters do not contain chemical constituents in concentrations that adversely affect beneficial uses, the Regional Water Board may apply limits more stringent than MCLs.
Pesticides	No individual pesticide or combination of pesticides shall be present in concentrations that adversely affect beneficial uses. At a minimum, waters designated MUN shall not contain concentrations of pesticide constituents in excess of the MCLs specified in Table 64444-A (Organic Chemicals) of Section 64444 of Title 22 of the CCR, which is incorporated by reference into this plan. This incorporation-by-reference is speculative, including future changes to the incorporated provisions as the changes take effect. The Regional Water Board acknowledges that specific treatment requirements are imposed by State and federal drinking water regulations on the consumption of surface waters under specific circumstances. More stringent objectives may apply if necessary to protect other beneficial uses.
Radioactivity	Radionuclides shall not be present in groundwater in concentrations that are deleterious to human, plant, animal, or aquatic life, or that result in the accumulation of radionuclides in the food web to an extent that presents a hazard to human, plant, animal or aquatic life. At a minimum, groundwater designated MUN shall not contain concentrations of radionuclides in excess of the MCL specified in Table 64442 of Section 64442 and Table 64443 of Section 64443 of Title 22, CCR, which are incorporated by reference into this plan. This incorporation-by-reference is prospective, including future changes to the incorporated provisions as the changes take effect.
Salinity	All groundwater shall be maintained as close to natural concentrations of dissolved matter as is reasonable considering careful use and management of water resources. No proven means exist at present that will allow ongoing human activity in the Basin and maintain groundwater salinity at current levels throughout the Basin. Accordingly, the water quality objectives for groundwater salinity control the rate of increase. The maximum average annual increase in salinity measured as electrical conductivity shall not exceed 5 µmhos/cm for the Kern River Hydrographic Unit. The average annual increase in electrical conductivity will be determined from monitoring data by calculation of a cumulative average annual increase over a 5-year period.
Tastes and Odors	Groundwater shall not contain taste- or odor-producing substances in concentrations that cause nuisance or adversely affect beneficial uses.
Toxicity	Groundwater shall be maintained free of toxic substances in concentrations that produce detrimental physiological responses in human, plant, animal, or aquatic life associated with designated beneficial uses. The Regional Water Board will also consider all material and relevant information submitted by the discharger and other interested parties and numerical criteria and guidelines for toxic substances developed by the State Water Board, the California Office of Environmental Health Hazard Assessment, the State Water Board Division of Drinking Water Programs, the U.S. Food and Drug Administration, the National Academy of Sciences, the USEPA, and other appropriate organizations to evaluate compliance with this objective. This objective applies regardless of whether the toxicity is caused by a single substance or the interactive effect of multiple substances.
Source: CVRWQCB, 2018.	

AIR QUALITY – SECTION 3.4 OF EIS

FEDERAL

Criteria Air Pollutants

Criteria Air Pollutants (CAP) are common pollutants that have been identified by the USEPA as being detrimental to human health. CAPs are used as indicators of regional air quality. The USEPA has designated six CAPs: ozone (O_3), carbon monoxide (CO), particulate matter (PM), nitrogen dioxide (NO_2), sulfur dioxide (SO_2), and lead (Pb).

National Ambient Air Quality Standards

The Federal Clean Air Act (CAA) of 1970, as amended, establishes air quality standards for several pollutants. These pollutants are termed "criteria" pollutants because the USEPA has established specific concentration threshold criteria based upon specific medical evidence of health effects or visibility reduction, soiling, nuisance, and other forms of damage. These National Ambient Air Quality Standards (NAAQS) are divided into primary standards and secondary standards. Primary standards are designed to protect the public health and secondary standards are intended to protect the public welfare from effects such as visibility reduction, soiling, nuisance, and other forms of damage. Ambient air quality standards are presented in **Table 3.**

The federal government has established the NAAQS to define levels of air quality that protect the public health and welfare from the known adverse effects of air pollutants. Standards were developed for CO, Pb, PM with a diameter of less than 10 or 2.5 microns (PM_{10} or $PM_{2.5}$, respectively), sulfur oxides (SOx), O_3 (precursors nitrogen oxides [NOx] and reactive organic gases [ROG]), and NO_2.

Areas are designated attainment, nonattainment, or maintenance by the USEPA depending on whether the area is below or exceed the established NAAQS. Nonattainment areas must take steps towards attainment within a specific period of time. Once an area reaches attainment for particular criteria pollutant, then the area is re-designated attainment or maintenance. The CAA places most of the responsibility on states to achieve compliance with the NAAQS. States, municipal statistical areas, and counties that contain areas of nonattainment are required to develop a State Implementation Plan (SIP), which outlines policies and procedures designed to bring the state into compliance with the NAAQS.

TABLE 3
AMBIENT AIR QUALITY STANDARDS

Pollutant	Averaging Time	Standard (parts per million)		Standard (microgram per cubic meter)		Violation Criteria	
		CAAQS	NAAQS	CAAQS	NAAQS	CAAQS	NAAQS
O_3	1 hour	0.09	N/A	180	N/A	If exceeded	N/A
	8 hours	0.070	0.070	137	137	N/A	If exceeded on more than 3 days in 3 years
CO	8 hours	9.0	9	10,000	10,000	If exceeded	If exceeded on more than 1 day per year
	1 hour	20	35	23,000	40,000	If exceeded	If exceeded on more than 1 day per year
NO_2	Annual arithmetic mean	0.030	0.053	57	100	N/A	If exceeded
	1 hour	0.18	0.100	470	188	If exceeded	N/A
SO_2	Annual arithmetic mean	N/A	0.030	N/A	N/A	N/A	If exceeded
	24 hours	0.04	0.14	105	N/A	If exceeded	If exceeded on more than 1 day per year
	1 hour (primary)	0.25	0.075	655	196	N/A	N/A

Pollutant	Averaging Time	Standard (parts per million)		Standard (microgram per cubic meter)		Violation Criteria	
		CAAQS	NAAQS	CAAQS	NAAQS	CAAQS	NAAQS
	3 hours (secondary)	N/A	0.5	N/A	N/A		If exceeded on more than 1 day per year
PM_{10}	Annual arithmetic mean	N/A	N/A	20	N/A	If exceeded	If exceeded
	24 hours	N/A	N/A	50	150	If exceeded	If exceeded on more than 1 day per year
$PM_{2.5}$	Annual arithmetic mean (primary)	N/A	N/A	12	12	If exceeded	If exceeded
	Annual arithmetic mean (secondary)	N/A	N/A	N/A	15	If exceeded	If exceeded
	24 hours	N/A	N/A	N/A	35	If exceeded	If exceeded on more than 1 day per year
Lead	30 day Avg.	N/A	N/A	1.5	N/A	If equaled or exceeded	N/A
	Rolling 3-month Avg.	N/A	N/A	N/A	0.15	N/A	If exceeded
Visibility Reducing Particles	8 hour	Extinction coefficient of 0.23 per kilometer – visibility of ten miles or more.	No Federal Standard	N/A	No Federal Standard	N/A	N/A
Sulfates	24 hour		No Federal Standard	25	No Federal Standard	If equaled or exceeded	N/A
H_2S	1 hour	0.03	No Federal Standard	42	No Federal Standard	If equaled or exceeded	N/A
Vinyl Chloride	24 hour	0.01	No Federal Standard	26	No Federal Standard	If equaled or exceeded	N/A
Source: California Air Resources Board (CARB), 2016.							

Ozone

Photochemical reactions involving ROG and NO_X resulting from the incomplete combustion of fossil fuels are the largest source of ground-level O_3. Because photochemical reaction rates depend on the intensity of ultraviolet light and air temperature, O_3 is primarily a summer air pollution problem. As a photochemical pollutant, O_3 is formed only during daylight hours under appropriate conditions. However, it is destroyed throughout the day and night. O_3 is considered a regional pollutant as the reactions forming it take place over time and are often most noticeable downwind from the sources of the emissions.

Particulate Matter 2.5

Particle pollution is a mixture of microscopic solids and liquid droplets suspended in air. This pollution, also known as $PM_{2.5}$, is made up of a number of components, including acids (such as nitrates and sulfates), organic chemicals, metals, soil or dust particles, and allergens (such as fragments of pollen or mold spores). The size of particles is directly linked to their potential for causing health problems. Particles smaller than 2.5 µm pose the greatest problems because they can be inhaled deep into the lungs. Exposure to such particles can affect respiratory system function.

Carbon Monoxide

CO is not readily dispersed throughout the atmosphere; therefore, it is considered a localized air quality issue as it is close to the emission source. CO emissions generally cause an acute (short-term) health threat. CO is a pollutant of concern at major signalized intersections (greater than 100,000 vehicles per day) that exhibit prolonged vehicle idling times. Kern County is designated as not classified/maintenance for CO by the USEPA (USEPA, 2017).

Hazardous Air Pollutants

In addition to the above-listed CAPs, Hazardous Air Pollutants (HAP) are a group of chemical pollutants which can cause adverse effects to human health and/or the environment. HAPs are a list of over 188 airborne chemicals developed by the USEPA. Sources of HAPs include industrial processes, such as petroleum refining and chrome plating operations; commercial operations, such as gasoline stations and dry cleaners; cigarette smoke; and motor vehicle exhaust. Cars and trucks release at least 40 different HAPs. The most important, in terms of health risk, are diesel particulate matter (DPM), benzene, formaldehyde, 1,3-butadiene, and acetaldehyde. Health effects of HAPs can include cancer, birth defects, and neurological damage.

HAPs are less pervasive in the urban atmosphere than CAPs but are linked to short-term (acute) or long-term (chronic or carcinogenic) adverse human health effects. The majority of the estimated health risk from HAPs can be attributed to relatively few compounds. The most important HAPs are found in DPM. Diesel engines emit a complex mixture of air pollutants, composed of gaseous and solid material. Diesel exhaust contains a variety of harmful gases and over 40 other cancer causing substances, and the visible emissions in diesel exhaust are PM that includes carbon particles or "soot." Exposure to DPM is a health hazard, particularly to children whose lungs are still developing and the elderly who may have other serious health problems. Due to the controversy surrounding DPM, an assessment of the potential impacts of DPM releases associated with the Proposed Project has been included in **Section 3.4.4**.

Federal General Conformity

Under the General Conformity Rule, updated in 2010, the lead agency with respect to a federal action is required to demonstrate that the proposed federal action conforms to the applicable SIP before the action is taken. There are two phases to a demonstration of general conformity.

1. The Conformity Review process, which entails an initial review of the federal action to assess whether a full conformity determination is necessary
2. The Conformity Determination process, which requires that a proposed federal action be demonstrated to conform to the applicable SIP

The Conformity Review requires the lead agency to compare estimated emissions to the applicable general conformity levels (40 Code of Federal Regulations [CFR] 153 [b][1] and [2]). If the emission estimates from step one is below the applicable threshold(s), then a general conformity determination is not necessary and the full Conformity Determination is not required. If emission estimates are greater than the applicable threshold(s), the lead agency must conduct a Conformity Determination.

Federal Class I Areas

Title 1, Part C of the CAA was established in part to preserve, protect, and enhance the air quality in national parks, national wilderness areas, national monuments, national seashores, and other areas of special national or regional natural, recreational, scenic, or historic value. The CAA designates all international parks, national wilderness areas, and memorial parks larger than 5,000 acres and national parks larger than 6,000 acres as "Class I areas." The CAA prevents significant deterioration of air quality in Class I areas under the Prevention of Significant Deterioration (PSD) Program. The PSD Program protects Class I areas by allowing only a small increment of air quality deterioration in these areas by requiring assessment of potential impacts on air quality related values of Class I areas.

Any major source of emissions within 100 kilometers (62.1 miles) from a federal Class I area is required to conduct a pre-construction review of air quality impacts on the area(s). A "major source" for the PSD Program is defined as a facility that will emit (from direct stationary sources) 250 tons per year (tpy) of regulated pollutant. For certain industries, these requirements apply to facilities that emit (through direct stationary sources) 100 tpy or more of a regulated pollutant. Mobile sources (e.g., vehicle emissions) are by definition not stationary sources and are therefore not subject to the PSD program.

Tribal New Source Review

The Tribal Minor New Source Review (NSR) permitting program was established by the USEPA under the CAA. The minor NSR program applies to both new minor sources and minor modifications to both major and minor projects in attainment and nonattainment areas. NSR programs must comply with the standards and control strategies of the Tribal Implementation Plan (TIP) or SIP. If there is not an applicable SIP or TIP, the USEPA issues permits and implements the program. A General Permit under the minor NSR program would be required on tribal trust land if stationary source allowable emissions of regulated pollutants would exceed the thresholds presented in 40 CFR 49.153, Table 1 (presented in **Table 4**). This General Permit serves as a preconstruction permit containing limitations and other restrictions specifying the construction, modification, and operation of a minor source. The applicability of Tribal NSR is made on a source's potential to emit (PTE). For emergency generators, the USEPA has determined that 500 hours per year should be assumed as a reasonable and realistic "worst-case" estimate on a PTE basis (USEPA, 1995).

TABLE 4
TRIBAL MINOR NEW SOURCE REVIEW THRESHOLDS

Pollutant	Emissions Thresholds for Nonattainment Areas (tpy)	Emissions Thresholds for Attainment Areas (tpy)
NOx	5	10
ROG	2	5
PM	5	10
PM_{10}	1	5
$PM_{2.5}$	0.6	3
CO	5	10
SO_2	5	10
Pb	0.1	0.1
Source: 40 CFR 49.153.		

Draft Council on Environmental Quality Guidance

On June 21, 2019, the Council on Environmental Quality (CEQ) published draft guidance on how National Environmental Policy Act (NEPA) analysis and documentation should address greenhouse gas (GHG) emissions. The *Draft NEPA Guidance on Consideration of Greenhouse Gas Emissions*, if finalized, would replace the final guidance CEQ issued on August 1, 2016, titled *Final Guidance for Federal Departments and Agencies on Consideration of Greenhouse Gas Emissions and the Effects of Climate Change in National Environmental Policy Act Reviews*, which was withdrawn effective April 5, 2017, for further consideration pursuant to EO13783 of March 28, 2017, *Promoting Energy Independence and Economic Growth.*

The draft guidance directs agencies to attempt to quantify a proposed action's projected direct and reasonably foreseeable indirect GHG emissions when the amount of those emissions is substantial enough to warrant quantification, and when it is practicable to quantify them using available data and GHG quantification tools. Additionally, the draft guidance establishes criteria for cumulative effects analysis of GHGs under NEPA. Where GHG inventory or regional emissions information is available to provide context for understanding the relative magnitude of a proposed action's GHG emissions, a qualitative summary discussion of the effects of GHG emissions, based on an appropriate literature review, is adequate to meet NEPA requirements and no separate cumulative effects analysis is required. The draft guidance also notes that, while NEPA does not require agencies to adopt mitigation measures, comparing alternatives based on potential effects due to GHG emissions, along with other potential effects and economic and technical considerations, can help agencies differentiate among alternatives.

STATE AND LOCAL

California Air Resources Board

The CARB, a part of the California Environmental Protection Agency (Cal/EPA), is responsible for the coordination and administration of both federal and State air pollution control programs within California. In this capacity, CARB conducts research, sets the California Ambient Air Quality Standards (CAAQS), compiles emission inventories, develops suggested control measures, and provides oversight of local programs. CARB establishes emissions standards for motor vehicles sold in California as well as consumer products (e.g., hairspray, aerosol paints, and barbecue lighter fluid), and various types of commercial equipment. It also sets fuel specifications to further reduce vehicular emissions. CARB also has primary responsibility for the development of California's SIP, for which it works closely with the Air Quality Management District's and the USEPA.

California Clean Air Act and Regional Air Quality Standards

The California Clean Air Act of 1988 requires nonattainment areas to achieve and maintain the CAAQS by the earliest practicable date, as well as requires local air districts to develop plans for attaining the State O_3, CO, SO_2, and NOx standards.

At a local level, the San Joaquin Valley Air Pollution Control District (SJVAPCD) has jurisdiction over the San Joaquin Valley Air Basin portion of Kern County. The SJVAPCD attains and maintains air quality conditions in Kern County through a comprehensive program of planning, regulation, enforcement, technical innovation, and promotion of the understanding of air quality issues. The clean air strategy of the SJVAPCD includes the preparation of plans for the attainment of ambient air quality standards, adoption, and enforcement of rules and regulations concerning sources of air pollution, and issuance of permits for stationary sources of air pollution. SJVAPCD publishes thresholds of significance for construction and operation emissions for criteria pollutants for projects within its jurisdiction. SJVAPCD construction and operation emissions thresholds of significance are presented in **Table 5**.

TABLE 5
SJVAPCD CRITERIA AIR POLLUTANT THRESHOLDS OF SIGNIFICANCE

Pollutant/Precursor	Violation Criteria (tpy)	
	Construction	Operation
CO	100	100
NO_x	10	10
ROG	10	10
SO_x	27	27
PM_{10}	15	15
$PM_{2.5}$	15	15
Source: SJVAPCD, 2015		

Odor

While odors rarely cause any physical harm, they can be unpleasant and can lead to considerable distress among the public. Per Section 8.6 of the SJVAPCD Guidance for Assessing and Mitigating Air Quality Impacts, any project with the potential to frequently expose members of the public to objectionable odors is deemed to have a significant impact (SJVAPCD, 2015). Odor impacts on residential areas and other sensitive receptors, including hospitals, daycare centers, and schools, warrant the closest scrutiny.

Because offensive odors rarely cause any physical harm and no requirements for their control are included in state or federal air quality regulations, local air districts often have no numerical rules or standards related to odor emissions, other than regulations related to nuisances.

Global Climate Change

California has been a leader among states in outlining and aggressively implementing a comprehensive climate change strategy that is designed to result in a substantial reduction in total statewide GHG emissions in the future. California's climate change strategy is multifaceted and involves a number of State agencies implementing a variety of State laws and policies. These California laws and policies are summarized below.

Executive Order S-3-05

EO S-3-05 established the following statewide emission reduction targets.

- Reduce GHG emissions to 2000 levels by 2010.
- Reduce GHG emissions to 1990 levels by 2020.
- Reduce GHG emissions to 80 percent below 1990 levels by 2050.

EO S-3-05 created a Climate Action Team (CAT) headed by the Cal/EPA and including several other State jurisdictional agencies. The CAT is tasked by EO S-3-05 with outlining the effects of climate change on California and recommending an adaptation plan. The CAT is also tasked with creating a strategy to meet the target emission reductions. In April 2006, the CAT published an initial report that accomplished these two tasks.

California Global Warming Solutions Act of 2006 (Assembly Bill 32)

Assembly Bill (AB) 32 codifies a key requirement of EO S-3-05: the requirement to reduce State-wide GHG emissions to 1990 levels by 2020. AB 32 tasks CARB with monitoring State sources of GHGs and designing emission reduction measures to comply with the law's emission reduction requirements. However, AB 32 also continues the CAT's efforts to meet the requirements of EO S-3-05 and states that the CAT should coordinate overall state climate policy.

In order to accelerate the implementation of emission reduction strategies, AB 32 requires that CARB identify a list of discrete early action measures that can be implemented relatively quickly. In October 2007, CARB published a list of early action measures that could be implemented and would serve to meet about a quarter of the required 2020 emissions reductions (CARB, 2006). In order to assist CARB in identifying early action measures, the CAT published a report in April 2007 that updated their 2006 report and identified strategies for reducing GHG emissions (CAT, 2007). In the October 2007 report, CARB cited the CAT strategies and other existing strategies that may be utilized in achieving the remainder of the emissions reductions.

AB 32 required that CARB prepare a comprehensive "scoping plan" that identifies all strategies necessary to fully achieve the required 2020 emissions reductions. CARB provided its first update to the Climate Change Scoping Plan in May 2014. The purpose of the update was to identify the next steps for California's leadership on climate change. The updated Plan outlined the progress California has made to date regarding near-term 2020 GHG limits, such as cleaner and more efficient energy, cleaner transportation, and CARB's Cap-and-Trade Program. The updated Plan identifies six key areas where further control strategies are needed: energy, transportation (vehicles/equipment, sustainable communities, housing, fuels, and infrastructure), agriculture, water, waste management, and natural and working lands. In 2016, the Legislature passed Senate Bill (SB) 32. This established a benchmark for California to reduce GHG emissions to 40 percent below 1990 levels by 2030. CARB is in the process of updating the Scoping Plan to reflect the 2030 target and released a proposed update in January 2017. Under the Proposed Scoping Plan, the six key areas where further control strategies are needed, as identified in the first update, are still included in addition to a seventh area targeting the industrial sector.

Executive Order S-01-07

EO S-01-07 mandates a State-wide goal to reduce the carbon intensity of transportation fuels by at least 10 percent by 2020. This target reduction was identified by CARB as one of the AB 32 early action measures identified in their October 2007 report.

Executive Order B-30-15

EO B-30-15 sets interim GHG targets of 40 percent below 1990 by 2030, to ensure California will meet the 2050 targets set by AB 32.

Senate Bill 350

SB 350 codifies the GHG targets for 2030 set by EO B-30-15. To meet these goals, SB 350 also raises the Renewables Portfolio Standards from 33 percent renewable generation by 2020 to 50 percent renewable generation by December 31, 2030.

Senate Bill 375

SB 375 provides for the creation of a new regional planning document called a sustainable communities strategy (SCS). An SCS is a blueprint for regional transportation infrastructure and development that is designed to reduce GHG emission from cars and light trucks to target levels that will be set by CARB for 18 regions throughout California. Each of the various metropolitan planning organizations must prepare an SCS and include it in that region's regional transportation plan. The SCS can influence transportation, housing, and land use planning. CARB will determine whether the SCS will achieve the region's GHG emissions reduction goals. Under SB 375, certain qualifying in-fill residential and mixed-use projects would be eligible for streamlined California Environmental Quality Act (CEQA) review.

Climate Change and Its Potential Impacts

Certain gases in the earth's atmosphere, classified as GHGs, play a critical role in determining the earth's surface temperature. GHGs include all of the following compounds: carbon dioxide (CO_2), methane (CH_4), nitrous oxide (N_2O), hydrofluorocarbons, perfluorocarbons, and sulfur hexafluoride (Health & Safety Code § 38505[g]). In addition to natural sources, human activities are exerting a substantial and growing influence on climate by changing the composition of the atmosphere and the ocean, and by modifying the land surface through deforestation and urbanization that reduces carbon capture and decreases albedo (Intergovernmental Panel on Climate Change [IPCC], 2014). In particular, increased consumption of fossil fuels has substantially increased atmospheric levels of GHGs. Emissions of these gases are attributable to human activities associated with the industrial/manufacturing, utilities, transportation, residential, commercial, and agricultural sectors (CARB, 2017).

In 2015, transportation generated 39 percent of California's GHG emissions. This was followed by the industrial sector (23 percent), electricity generation in state (11 percent), electricity generation imports (8 percent), agriculture and forestry (8 percent), commercial and residential (11 percent), and other sources (1 percent; CARB, 2017). Emissions of CO_2 and N_2O are byproducts of fossil fuel combustion, among other sources. CH_4 results from off-gassing associated with agricultural practices and landfills. Sinks of CO_2 include uptake by vegetation and dissolution into the ocean.

According to the United Nations IPCC and the USEPA, it is very likely (greater than 95 percent probability) that human activity is responsible for rising temperatures. The IPCC expects global temperatures to increase another 2 to 10 degrees Fahrenheit by 2100, depending on how much atmospheric GHG concentrations continue to rise.

Climate change has the potential to impact California and the San Joaquin Valley Air Basin's natural and economic environment. The following is an abbreviated list of potential climate change impacts.

- Rising sea levels along the California coastline, particularly in San Francisco and the Sacramento-San Joaquin River Delta due to ocean expansion
- Extreme heat conditions, such as heat waves and very high temperatures, which could last longer and become more frequent
- An increase in heat-related human deaths and infectious diseases and a higher risk of respiratory problems caused by deteriorating air quality
- Reduced snow pack and stream flow in the Sierra Nevada mountains, affecting winter recreation and water supplies
- Potential increase in the severity of winter storms, affecting peak stream flows and flooding
- Changes in growing season conditions that could affect California agriculture, causing variations in crop quality and yield
- Changes in distribution of plant and wildlife species due to changes in temperature, competition of colonizing species, changes in hydrologic cycles, changes in sea levels, and other climate-related effects

BIOLOGICAL RESOURCES – SECTION 3.5 OF EIS

FEDERAL

Federal Endangered Species Act

The U.S. Fish & Wildlife Service (USFWS) enforces the provisions of the federal Endangered Species Act (FESA) for all terrestrial species. Section 9 (§ 1538) prohibits the "take" of a listed species by anyone, including private individuals and state and local agencies. Threatened and endangered species on the federal list (50 CFR Sections 17.11 and 17.12) are protected from take, which is defined as direct or indirect harm. If "take" of a listed species is incidental to an otherwise lawful activity, this triggers the need for consultation under Section 7 of the FESA for federal agencies, including tribes.

Pursuant to the requirements of the FESA, a federal agency reviewing a proposed project within its jurisdiction must determine whether any federally listed species may be present on the proposed project site and whether the proposed project will have a potentially significant impact upon such species. A discussion of regionally listed species is provided in consideration of potential impacts associated with project implementation. Under the FESA, habitat loss is considered to be an impact to the species. In addition, the agency is required to determine whether the project is likely to jeopardize the continued existence of any species that is proposed for listing under the FESA or to result in the destruction or adverse modification of critical habitat proposed to be designated for such species (16 USC Section 1536[3], [4]). Therefore, project-related impacts to these species, or their habitats, would be considered significant.

Migratory Bird Treaty Act

Migratory birds are protected under the federal Migratory Bird Treaty Act (MBTA) of 1918 (16 USC 703-711). The MBTA makes it unlawful to take, possess, buy, sell, purchase, or barter any migratory bird listed under 50 CFR 10, including feathers or other parts, nests, eggs, or products, except as allowed by implementing regulations (50 CFR 21). The direct injury or death of a migratory bird due to construction activities or other construction-related disturbance that causes nest abandonment, nestling abandonment, or forced fledging would be considered take under federal law. As such, project-related disturbances must be reduced or eliminated during the nesting season. The general nesting season extends from February 15 to September 15.

Bald and Golden Eagle Protection Act

The Bald and Golden Eagle Protection Act was originally enacted in 1940 to protect bald eagles and was later amended to include golden eagles (16 USC Subsection 668-668). This act prohibits take, possession, and commerce of bald and golden eagles and associated parts, feathers, nests, or eggs with limited exceptions. The definition of take is the same as the definition under the FESA. The USFWS established five recovery programs in the mid-1970s based on geographical distribution of the species, which California located in the Pacific Recovery Region. Habitat conservation efforts in the Pacific Recovery Region, including laws and management practices at federal, state, and community levels, have helped facilitate bald eagle population increases. Critical habitat for bald and golden eagles was not designated as part of the Pacific Recovery Plan created under FESA. Likewise, critical habitat was not designated by regulation under FESA. In 1995, the USFWS reclassified the bald eagle from endangered to threatened under FESA in the contiguous 48 states, excluding Michigan, Minnesota, Wisconsin, Oregon, and Washington where it had already been listed as threatened. In 2007, the bald eagle was federally delisted under FESA. However, the provisions of the act remain in place for protection of bald and golden eagles.

Wetlands and Waters of the U.S.

Any project that involves discharge of dredged or fill material in off-reservation navigable Waters of the U.S. must first obtain authorization from the USACE, under Section 404 of the CWA. Projects requiring a 404 permit under the CWA also require a Section 401 certification from either USEPA for trust land, or the RWQCB for non-trust land. These two agencies also administer the NPDES general permits for construction activities disturbing one acre or more.

The term “Waters of the United States” is defined as:

- all waters currently used, or were used in the past, or may be susceptible to use in interstate or foreign commerce,

including all waters subject to the flow of the tide;

- all interstate waters including interstate wetlands; or
- all other waters, such as intrastate lakes, rivers, streams (including intermittent streams), mudflats, sand flats, wetlands, sloughs, prairie potholes, wet meadows, playa lakes, or natural ponds, where the use or degradation of which could affect interstate or foreign commerce including any such waters.

The term "Wetlands" is defined as:

- waters of the U.S. that are inundated or saturated by surface or groundwater at a frequency and duration sufficient to support, and under normal circumstances do support, a prevalence of vegetation typically adapted for life in saturated soil conditions. Wetlands that meet these criteria during only a portion of the growing season are classified as seasonal wetlands.

STATE AND LOCAL

California Endangered Species Act

The California Endangered Species Act (CESA) declares that deserving plant or animal species will be given protection by the state because they are of ecological, educational, historical, recreational, aesthetic, economic, and scientific value to the people of the State. The CESA established that it is State policy to conserve, protect, restore, and enhance state-listed species and their habitats. Under State law, plant and animal species may be formally listed by the California Fish and Game Commission.

The CESA authorizes that private entities may take listed species under FESA and CESA, pursuant to a federal incidental take permit issued in accordance with Section 10 of the FESA, if the California Department of Fish and Wildlife (CDFW) certifies that the incidental take statement or incidental take permit is consistent with the CESA (California Fish & Game Code § 2080.1[a]).

California Fish and Game Code

The California Fish and Game Code defines "take" (Section 86) and prohibits take of a species listed under the CESA (California Fish and Game Code § 2080), or otherwise special-status (California Fish and Game Code §§ 3511, 4700, and 5050). Section 2081(b) and (c) of the CESA allows CDFW to issue an incidental take permit for a State-listed species if specific criteria outlined in Title 14 CCR §§ 783.4(a), (b) and CDFW Code § 2081(b) are met. The CDFW Code § 3503 states that it is unlawful to take, possess, or needlessly destroy the nest or eggs of any bird except as otherwise provided by the code. Section 3503.5 states that it is unlawful to take, possess, or destroy any birds in the taxonomic order Falconiformes or Strigiformes (birds of prey) or to take, possess, or destroy the nest or eggs of any such bird.
Section 3513 states that it is unlawful to take or possess any migratory non-game bird as designated in the MBTA or any part of such migratory non-game bird except as provided by rules and regulations adopted by the U.S. Secretary of the Interior under provisions of the MBTA. If a project is planned in an area where a species or specified bird occurs, an applicant must design the project to avoid all take; the CDFW cannot provide take authorization under the CESA.

Native Plant Protection Act of 1977

Native Plant Protection Act of 1977 and implementing regulations in Section 1900 et seq. of the California Fish and Game Code designate special-status plant species and provide specific protection measures for identified populations. The CDFW administers the Native Plant Protection Act.

Kern County General Plan

The KCGP is the guiding document for development in the County. The Land Use, Open Space, and Conservation Element describes policies and goals regarding biological resources and conservation (Kern County, 2009). Section 1.10.5 outlines several policies and implementation measures to protect special-status species, sensitive biological resources, and areas of natural beauty and ecological importance. Implementation measures outline considerations and consultations required for development projects that fall under the jurisdiction of the KCGP. These policies and implementation measures are applicable to off-Reservation impacts, including any roadway improvement projects.

Kern County Zoning Ordinance

The Kern County Zoning Ordinance (County Zoning Ordinance) establishes basic regulations for the development of land (Kern County, 2016). County zoning includes protections and designations for open space and those natural resources that are deemed valuable or sensitive. These designations include Recreational, Open Space, and Natural Resource parcels. Kern County Ordinance's Generalized Land Use Zoning Guide describes the type of zone and acceptable land uses for a given zoning. Off-Reservation impacts, including and roadway improvement projects, are subject to the County Zoning Ordinance.

CULTURAL AND PALEONTOLOGICAL RESOURCES – SECTION 3.6 OF EIS

FEDERAL

National Historic Preservation Act

Section 106 of the National Historic Preservation Act (NHPA), as amended, and its implementing regulations found in 36 CFR Part 800 require federal agencies to identify cultural resources that may be affected by actions involving federal lands, funds, or permitting. The Bureau of Indian Affairs must comply with Section 106 for the proposed trust acquisition. The significance of the resources must be evaluated using established criteria outlined in 36 CFR 60.4, as described below.

If a resource is determined to be a historic property, Section 106 of the NHPA requires that effects of the federal undertaking on the resource be determined. A historic property is defined as:

> *…any prehistoric or historic district, site, building, structure or object included in, or eligible for inclusion in the National Register of Historic Places, including artifacts, records, and material remains related to such a property…(NHPA Sec. 301[5])*

Section 106 of the NHPA prescribes specific criteria for determining whether a project would adversely affect a historic property, as defined in 36 CFR 800.5. An impact is considered adverse when prehistoric or historic archaeological sites, structures, or objects that are listed on or eligible for listing in the National Register of Historic Places (NRHP) are subjected to the following.

- physical destruction of or damage to all or part of the property
- alteration of a property
- removal of the property from its historic location
- change of the character of the property's use or of physical features within the property's setting that contribute to its historic significance
- introduction of visual, atmospheric, or audible elements that diminish the integrity of the property's significant historic features
- neglect of a property that causes its deterioration
- transfer, lease, or sale of the property out of federal control without adequate and legally enforceable restrictions or conditions to ensure long-term preservation of the property's historic significance

If the historic property will be adversely affected by the undertaking, then prudent and feasible measures to resolve adverse impacts must be taken. The State Historic Preservation Office must be provided an opportunity to review and comment on these measures prior to project implementation.

National Register of Historic Places

The eligibility of a resource for listing in the NRHP is determined by evaluating the resource using criteria defined in 36 CFR § 60.4 as follows.

The quality of significance in American history, architecture, archaeology, and culture is present in districts, sites, buildings, structures, and objects of state and local importance that possess integrity of location, design, setting, materials, workmanship, feeling, association, and

A) that are associated with events that have made a significant contribution to the broad patterns of our history;
B) that are associated with the lives of persons significant in our past;
C) that embody the distinctive characteristics of a type, period, or method of construction, or that represent the work of a master, or that possess high artistic values, or that represent a significant and distinguishable entity whose components may lack individual distinction; or
D) that have yielded, or may be likely to yield, information important to prehistory or history.

Sites younger than 50 years, unless of exceptional importance, are not eligible for listing in the NRHP.

In addition to meeting at least one of the criteria listed above, the property must also retain enough integrity to enable it to convey its historic significance. The NRHP recognizes seven aspects or qualities that, in various combinations, define integrity. These seven elements of integrity are location, design, setting, materials, workmanship, feeling, and association. To retain integrity a property will always possess several, and usually most, of these aspects.

While most historic buildings and many historic archaeological properties are significant because of their association with important events, people, or styles (Criteria A, B, and C), the significance of most prehistoric and some historic-period archaeological properties is usually assessed under Criterion D. Criterion D stresses the importance of the information contained in an archaeological site rather than its intrinsic value as a surviving example of a type or its historical association with an important person or event. It places importance not on physical appearance but rather on information potential.

Native American Graves Protection and Repatriation Act

The Native American Graves Protection and Repatriation Act (NAGPRA), 25 USC 3001 et seq., provides a process for museums and federal agencies to return Native American cultural items – human remains, funerary objects, sacred objects, or objects of cultural patrimony – to lineal descendants, and culturally affiliated Indian tribes and Native Hawaiian organizations. NAGPRA includes provisions for unclaimed and culturally unidentifiable Native American cultural items, intentional and inadvertent discovery of Native American cultural items on federal and Tribal lands, and penalties for noncompliance and illegal trafficking.

Archaeological Resources Protection Act of 1979

The Archaeological Resources Protection Act of 1979 (ARPA; Public Law 96-95; 16 USC 470aa-mm) provides for the protection of archaeological resources and sites that are on public and Indian lands, and fosters increased cooperation and exchange of information between governmental authorities, the professional archaeological community, and private individuals having collections of archaeological resources and data that were obtained before October 31, 1979. ARPA also provides for penalties for noncompliance and illegal trafficking.

Paleontological Resources Preservation Act

Paleontological resources are defined as the traces or remains of prehistoric plants and animals. Such remains often appear as fossilized or petrified skeletal matter, imprints, or endocasts, and reside in sedimentary rock layers. Paleontological resources are considered important for their scientific and educational value. Fossil remains of vertebrates are considered significant. Invertebrate fossils are considered significant if they function as index fossils. Index fossils are those that appear in the fossil record for a relatively short and known period of time. This allows geologists to interpret the age range of the geological formations in which they are found.

The Paleontological Resources Preservation subtitle of the Omnibus Public Land Management Act, 16 USC 470aaa to aaa-11 requires the U.S. Department of Agriculture (USDA) and the U.S. Department of the Interior to issue implementation regulations to provide for the preservation, management, and protection of paleontological resources on federal lands and ensure that these resources are available for current and future generations to enjoy as part of America's national heritage.

SOCIOECONOMIC CONDITIONS – SECTION 3.7 OF EIS

FEDERAL

Executive Order 12898

Executive Order 12898, *Federal Actions to Address Environmental Justice in Minority and Low-Income Populations*, as amended, directs federal agencies to develop an Environmental Justice Strategy that identifies and addresses disproportionately high and adverse human health or environmental effects of their programs, policies, and activities on minority populations and low-income populations. The CEQ has oversight responsibility of the federal government's compliance with EO 12898 and NEPA. The CEQ, in consultation with the USEPA and other agencies, has developed guidance to assist federal agencies with their NEPA procedures so that environmental justice concerns are effectively identified and addressed.

The document *Final Guidance for Incorporating Environmental Justice Concerns in EPA's NEPA Compliance Analyses* provides the following direction on how to analyze the impacts of actions on low-income and minority populations:

> *Under National Environmental Policy Act (NEPA), the identification of a disproportionately high and adverse human health or environmental effect on a low-income population, minority population, or Indian tribe does not preclude a proposed agency action from going forward, nor does it necessarily compel a conclusion that a proposed action is environmentally unsatisfactory. Rather, the identification of such an effect should heighten agency attention to alternatives (including alternative sites), mitigation strategies, monitoring needs, and preferences expressed by the affected community or population. (USEPA, 1998)*

As previously stated, according to guidance from the CEQ (1997) and USEPA (1998), agencies should consider the composition of the affected area, to determine whether minority populations, low-income populations, or Indian tribes are present in the area affected by a proposed action and, if so, whether there may be disproportionately high and adverse environmental effects to those populations. Communities may be considered "minority" under the executive order if one of the following characteristics apply.

- The cumulative percentage of minorities within a census tract is greater than 50 percent (primary method of analysis).
- The cumulative percentage of minorities within a census tract is less than 50 percent, but the percentage of minorities is meaningfully greater than the minority population percentage in the general population or other appropriate unit of geographic analysis (secondary method of analysis).

According to USEPA, either the county or the state can be used when considering the scope of the "general population." A definition of "meaningfully greater" is not given by the CEQ or USEPA, although the latter has noted that any affected area that has a percentage of minorities above the state's percentage is a potential minority community and any affected area with a minority percentage double that of the state's is a definite minority community under EO 12898.

Communities may be considered "low-income" under the EO if one of the following characteristics applies.

- The median household income for a census tract is below the poverty line (primary method of analysis).
- Other indications are present that indicate a low-income community is present within the census tract (secondary method of analysis).

In most cases, the primary method of analysis will suffice to determine whether a low-income community exists in the affected environment. However, when a census tract income may be just over the poverty line or where a low-income pocket within the tract appears likely, the secondary method of analysis may be warranted. Other indications of a low-income community under the secondary method of analysis include limited access to health care, overburdened or aged infrastructure, and dependence on subsistence living.

TRANSPORTATION/CIRCULATION – SECTION 3.8 OF EIS

FEDERAL

Pavement Condition Index

Throughout the County, all municipalities have a pavement management program in place to monitor and evaluate pavement conditions. County roadways are evaluated annually and are most commonly graded using the Pavement Condition Index (PCI). Ratings of 51 to 70 are in the fair (at risk) category. A common goal is to achieve an overall "good" rating of 70 or better. Kern County roads are well below this benchmark with an overall rating of 62, which is less than the State average (66). Major roads and highways within the County have a slightly better rating than this. However, local and rural roads rate poorly at 58. For County roads alone, it will take an annual budget of $15 million (maintenance construction cost alone) to maintain a PCI rating of 70. According to a Kern County Pavement Condition Analysis completed by the American Society of Civil Engineers, approximately $375 million is needed to bring Kern County's roads to a good condition (American Society of Civil Engineers, 2018).

Level of Service

Unsignalized Intersections

Unsignalized intersections were analyzed under AM (7:00 a.m. to 9:00 a.m.) and PM (4:00 p.m. to 6:00 p.m.) peak hour conditions. Average vehicle delay and Levels of Service (LOS) was determined based upon the procedures found in the 2010 Highway Capacity Manual with the assistance of the Synchro 10 computer software (Ryus, Vandehey, & Elefteriadou, 2010). For unsignalized intersections, LOS is determined by the computed or measured control delay and is defined for each minor movement; LOS is not defined for the intersection as a whole. LOS F exists when there are insufficient gaps of suitable size to allow a side street demand to safely cross through a major street traffic stream. This LOS is generally evident from extremely long control delays experienced by side-street traffic and by queuing on the minor street approaches. The method, however, is based on a constant critical gap size; that is, the critical gap remains constant no matter how long the side-street motorist waits. LOS F may also appear in the form of side-street vehicles selecting smaller-than-usual gaps. In such cases, safety may be a problem, and some disruption to the major traffic stream may result. It is important to note that LOS F may not always result in long queues. However, it may result in adjustments to normal gap acceptance behavior, which are more difficult to observe in the field than queuing. The LOS intersection criteria are listed in **Table 6.**

TABLE 6
INTERSECTION LEVEL OF SERVICE CRITERIA

Level of Service	Control Delay (Seconds Per Vehicle)	
	Unsignalized Intersections	Signalized Intersections
A	≤10	≤10
B	>10–15	>10–20
C	>15–25	>20–35
D	>25–35	>35–55
E	>35–50	>55–80
F	>50	>80
Source: **Appendix D**		

Roadway Segments

Kern County does not have published capacity standards. Hence, Fresno County Evaluation Criteria for LOS from the *Fresno County General Plan* is used (Fresno County, 2000). This information is reproduced in **Table 7** below. This table provides segment capacities for various street classifications based on traffic volumes and roadway characteristics.

TABLE 7
ROADWAY LEVEL OF SERVICE CRITERIA

Facility Description	ROADWAY LEVEL OF SERVICE CRITERIA				
	LOS A	LOS B	LOS C	LOS D	LOS E
Rural Freeway	4,500	7,250	10,650	13,050	14,900
Rural Multi-Lane Highway	4,200	7,050	9,800	11,700	13,550
Rural 2-Lane Highway	1,200	2,650	4,300	6,800	11,000
Urban Freeway, Group 1	5,600	9,000	13,250	16,200	18,525
Urban Arterial, Type B	n/a	6,375	7,900	8,475	8,550
Source: **Appendix F**					

STATE AND LOCAL

Kern County Standards for Traffic Engineering

Section 902-2 of the Kern County Standards for Traffic Engineering provides guidance on the preparation of traffic studies in the County. In order to provide consistency and to facilitate staff review of traffic studies, the County standards require that the California Department of Transportation (Caltrans) *Guide for The Preparation of Traffic Impact Studies* be followed in the preparation of traffic studies.

Facilities to be studied shall be any city, State, or County facility (mainline, interchange, structure, intersection or any project on the Transportation Impact Fee list) when the peak hour trip generation onto said facility exceeds 50 trips. For those facilities currently experiencing LOS "C" or less, the following "sliding scale" of "added peak project trips" shall be applied as the procedure to determine whether the facility should be included.

TABLE 8
STUDY AREA CRITERIA

Existing LOS	Added Peak Project Trips
C	50
D	40
E	20
F	10
Source: Caltrans, 2002	

Caltrans Traffic Impact Study Guidelines

Caltrans has developed the *Guide for the Preparation of Traffic Impact Studies* in response to a survey of cities and counties in California. The purpose of that survey was to improve the Caltrans local development review process (also known as the Intergovernmental Review (IGR)/CEQA process). The survey indicated that approximately 30 percent of the respondents were not aware of what Caltrans required in a traffic impact study (TIS).

Caltrans reviews federal, State, and local agency development projects, and land use change proposals for their potential impact to State highway facilities. The primary objectives of this guide is to provide:

- guidance in determining if and when a TIS is needed,
- consistency and uniformity in the identification of traffic impacts generated by local land use proposals,
- consistency and equity in the identification of measures to mitigate the traffic impacts generated by land use proposals,
- lead agency officials with the information necessary to make informed decisions regarding the existing and proposed transportation infrastructure (**Appendix F**, Appendix A)
- TIS requirements early in the planning phase of a project (i.e., Initial Study, Notice of Preparation, or earlier) to eliminate potential delays later,
- a quality TIS by agreeing to the assumptions, data requirements, study scenarios, and analysis methodologies prior to beginning the TIS, and
- early coordination during the planning phases of a project to reduce the time and cost of preparing a TIS.

City of San Diego Guidelines for Traffic Impact Studies

Neither the County nor Caltrans has criteria for the amount of delay, volume to capacity ratio, or speed that a project can add to a facility operating below standards (LOS E/F) in the pre-project condition. Therefore, the City of San Diego Traffic Impact Study Manual was utilized (**Appendix F**, Table 5-1) for cases where pre-project LOS was LOS E or F. This manual describes the key elements required for preparing and reviewing TISs for new and expanding land developments in San Diego. Not all analysis described in this report will have application to each particular study. Applicable analysis will be determined by the Transportation Development Section staff, in consultation with the traffic study preparer. The procedures indicated in this text are not intended to cover every conceivable situation. New procedures and analysis techniques may be needed to evaluate unique situations.

LAND USE – SECTION 3.9 OF EIS

FEDERAL

Farmland Protection Policy Act

The Farmland Protection Policy Act is intended to minimize the impact federal programs have on the unnecessary and irreversible conversion of farmland to non-agricultural uses. It assures that federal programs are administered in a manner that is compatible with state and local units of government and private programs and policies to protect farmland.

The Natural Resources Conservation Service (NRCS), an agency of the USDA, fulfills the directives of the Soil and Water Conservation Act by identifying significant areas of concern for the protection of our resources. The NRCS uses a land evaluation and site assessment system to establish a Farmland Conversion Impact Rating (FCIR) score. This evaluation is completed on Form AD 1006 (FCIR Form). The FCIR Form has two components: the land evaluation, which rates soil quality up to 100 points, and the site assessment, which measures other factors that affect the farm's viability up to 160 points. The total FCIR score is used as an indicator for the project's sponsor to consider alternative sites if the potential adverse impacts on the farmland exceed the recommended allowable level. Sites receiving a combined score of less than 160 (out of 260 possible points) do not require further evaluation; alternative project locations should be considered for sites with a combined score greater than 160 points.

STATE AND LOCAL

Farmland Mapping and Monitoring Program

The State of California developed the Farmland Mapping and Monitoring Program (FMMP) to provide data to decision makers for use in planning for the present and future of California's agricultural land resources. To meet this goal, FMMP's objective is to provide maps and statistical data to the public, academia, and local, state, and federal governments to assist them in making informed decisions for the best utilization of California's farmland. Lands are classified into seven agriculture-related categories: Prime Farmland, Farmland of Statewide Importance, Unique Farmland, Farmland of Local Importance, Grazing Land, Urban and Built-up Land, and Other Land.

Williamson Act

The California Land Conservation Act of 1965, commonly known as the Williamson Act, is designed to preserve farmlands and open space lands by discouraging premature and unnecessary conversion to urban uses. Under the provisions of the Williamson Act, landowners contract with the county to maintain agricultural or open space use of their lands in return for a reduced property tax assessment.

California Civil Code Section 3482.5

California Civil Code Section 3482.5, also known as the Right-to-Farm Act, contains provisions to ensure that agricultural operations are not considered nuisances as long as they do not obstruct navigable waterways or public areas. This ordinance supersedes any conflicting local regulations, but it does not prohibit local jurisdictions from adopting ordinances that allow notification to those in close proximity to an agricultural activity that they are subject to the provisions of the Right-to-Farm Act.

Kern County General Plan

The KCGP is the guiding document for development in unincorporated areas of the County (Kern County, 2009). The Land Use Element and its policies serve as a framework for the development and use of land in the County. The Land Use Element provides the distribution, location, and extent of land uses for housing, business, industry, open space, agriculture, natural resources, and other uses. The Element includes standards for population density and building intensity for each land use category. Listed policies represent a legislative balance between individual rights of property owners and the health, safety, and welfare of the community (Kern County, 2009). **Table 9** depicts the KCGP's guiding and implementation policies that may be applicable to the land use compatibility associated with the development of the alternative sites. The KCGP contains several provisions related to land uses on agricultural land, as summarized in **Table 9.**

TABLE 9
KERN COUNTY APPLICABLE GENERAL PLAN STRATEGIES AND POLCIES

Policy	Description
General Provisions Goal 47	Ensure that light and glare from discretionary new development projects are minimized in rural as well as urban areas.
General Provisions Goal 48	Encourage the use of low-glare lighting to minimize nighttime glare effects on neighboring properties.
General Provisions Goal 49	Discretionary development projects should be encouraged to incorporate innovative or "smart growth" land use planning techniques as design features, as follows. a. Higher density development, where compatible, to maximize the efficient use of land. b. Mixed-use developments that promote reduced vehicle trips by having residential, commercial, and public uses proximate to each other. c. Compact development that conserves open space, agricultural land, flood-prone areas, creeks, hillsides, ridge tops, wetlands, and other natural features. d. Adequate infrastructure is provided as a condition of development approval by the project proponent. e. Aesthetically pleasing and unifying design features that promote a visually pleasing environment.
Resource Goal 1	Appropriate resource uses of all types will be encouraged as desirable and consistent interim uses in undeveloped portions of the County regardless of General Plan designation.
Resource Goal 8	Provide for the orderly expansion of new urban-scale infrastructure and development and the creation of new urban-scale centers in a manner that minimizes adverse effects on agriculture and natural resource uses.
Resource Goal 9	When evaluating General Plan Amendment proposals to change a Map Code 8.1 (Intensive Agriculture) designation to accommodate residential, commercial, or industrial development, the County shall consider the following factors. a. Approval of the proposal will not unreasonably interfere with agricultural operations on surrounding lands. b. Necessary public services (fire, sheriff, etc.) and infrastructure are available to adequately serve the project. c. There is a demonstrated need for the proposed project location based upon population projections, market studies and other indicators. d. The requested change in land use designation is accompanied by a zone change and other implementing land use applications for a specific development proposal. e. The site is contiguous to properties that are developed or characterized by non-agricultural land uses. f. Past agricultural use of the site has led to soil infertility or other soil conditions which render the property unsuitable for long-term agricultural use. g. Approval of the proposed project outweighs the need to retain the land for long-term agricultural use. h. Where adjacent or within proximity (0.5 mile) to existing urban areas, the County shall discourage agricultural conversion that is discontinuous with urban development.
Resource Goal 24	Urban residential or commercial development on property contiguous to property designated Map Code 8.1 (Intensive Agriculture) should employ landscaping, lot size, open space buffering, increased building setbacks, or other techniques to reduce the potential for land use conflicts when it can be demonstrated that such measures will provide for public welfare and benefit and promote continued agricultural uses.
Land Use Commercial Implementation Measure G	All General Plan Amendments, zone changes, conditional use permit, discretionary commercial developments, and variations from height limits established by zoning for properties which are located in the Airport Influence areas or near a military airport shall be reviewed by the Planning Department for compatibility with the Kern County Airport Land Use Compatibility Plan.
Source: Kern County, 2009	

Kern County Zoning Ordinance

The County Zoning Ordinance establishes basic regulations for the development of land within the county (Kern County, 2016). Regulatory components include allowable uses, building setback requirements, and development standards. Title 19 promotes and protects the public health, safety, and welfare through the orderly regulation on land uses throughout the unincorporated areas of the County. Pursuant to State law, the County Zoning Ordinance must be consistent with the KCGP (Kern County, 2016).

Kern County Ordinance Code 8.56

Commonly known as the Right-to-Farm Ordinance, Chapter 8, Part 56, of the Kern County Ordinance Code was adopted to promote a good neighbor policy between agriculturalists and other residents by making clear what rights each has when they live near one another. The ordinance is designed to protect agricultural land uses from conflicts with non-agricultural uses as well as to help purchasers and residents understand the inconveniences that may occur as the natural result of living in or near agricultural areas (Kern County, 2017d).

PUBLIC SERVICES – SECTION 3.10 OF EIS

STATE AND LOCAL

California Integrated Waste Management Act

In 1989, the State of California enacted AB 939, the California Integrated Waste Management Act, which requires jurisdictions to conduct a solid waste disposal needs assessment that estimates the disposal capacity needed to accommodate projected solid waste generated within the jurisdiction and to identify a minimum of 15 years of permitted disposal capacity. All local jurisdictions are required to divert 50 percent of their total waste stream from landfill disposal.

NOISE – SECTION 3.11 OF EIS

FEDERAL

Noise Standards

The Federal Highway Administration (FHWA) provides construction noise level thresholds in its Construction Noise Handbook, 2006. These are provided in **Table 10**.

TABLE 10
FEDERAL CONSTRUCTION NOISE THRESHOLDS

Noise Receptor Locations and Land Uses	Daytime (7 a.m. - 6 p.m.)	Evening (6 p.m. - 10 p.m.)	Nighttime (10 p.m. - 7 a.m.)
	dBA, Leq[1]		
Noise-Sensitive Locations (residences, institutions, hotels, etc.)	72 or Baseline + 5 (whichever is louder)	Baseline + 5	Baseline + 5 (if Baseline < 70) or Baseline + 3 (if Baseline > 70)
Commercial Areas (businesses, offices, stores, etc.)	77 or Baseline + 5	None	None
Industrial Areas (factories, plants, etc.)	82 or Baseline + 5	None	None

Notes: [1] Leq thresholds were empirically determined (FHWA, 2006).
Source: FHWA, 2006.

The FHWA establishes Noise Abatement Criteria (NAC) for various land uses that have been categorized based upon activity. Land uses are categorized on the basis of their sensitivity to noise as indicated in **Table 11**. The FHWA NAC is based on peak traffic hour noise levels.

TABLE 11
FEDERAL NOISE ABATEMENT CRITERIA HOURLY A-WEIGHTED SOUND LEVEL DECIBELS[1]

Activity Category	Activity Criteria Leq (h), dBA	Evaluation Location	Activity Category Description
A	57	Exterior	Lands on which serenity and quiet are of extraordinary significance and serve an important public need and where the preservation of those qualities is essential if the area is to continue to serve its intended purpose.
B	67	Exterior	Residential.
C	67	Exterior	Active sport areas, amphitheaters, auditoriums, campgrounds, cemeteries, daycare centers, hospitals, libraries, medical facilities, parks, picnic areas, places of worship, playgrounds, public meeting rooms, public or nonprofit institutional structures, radio studios, recording studios, recreation areas, Section 4(f) sites, schools, television studios, trails and trail crossings.
D	52	Interior	Auditoriums, daycare centers, hospitals, libraries, medical facilities, places of worship, public meeting rooms, public or non-profit institutional structures, radio studios, recording studios, schools, and television studios.
E[1]	72	Exterior	Hotels, motels, offices, restaurants/bars, and other developed lands, properties or activities not included in A-D or F.
F	--	--	Agriculture, airports, bus yards, emergency services, industrial, logging, maintenance facilities, shipyards, utilities (water resources, water treatment, electricity), and warehousing.
G	--	--	Undeveloped lands that are not permitted.

Notes: [1] Includes undeveloped lands permitted for this activity category.
Source: FHWA, 2010.

Vibration Standards

The effects of groundborne vibrations typically cause only a nuisance to people, but at extreme vibration levels, damage to buildings may occur. Although groundborne vibration can be felt outdoors, it is typically an annoyance only indoors, where the associated effects of the building shaking can be notable. Groundborne noise is an effect of groundborne vibration and only exists indoors since it is produced from noise radiated from the motion of the walls and floors of a room and may consist of the rattling of windows or dishes on shelves.

Peak particle velocity (PPV) is often used to measure vibration. PPV is the maximum instantaneous peak (inches per second) of the vibration signal. The PPV levels are used to estimate L_v or VdB levels (vibration decibels with a reference velocity of one micro-inch per second). Scientific studies have shown that human responses to vibration vary by the source of vibration, which is either continuous or transient. Continuous sources of vibration include construction while transient sources include truck movements. Generally, the thresholds of perception and annoyance are higher for transient sources than for continuous sources. **Table 12** summarizes the Federal Transportation Administration's (FTA) guideline vibration damage criteria for various structural categories. As shown therein, buildings extremely susceptible to vibration damage could be damaged if vibration levels exceed 90 VdB. Additionally, although humans have a perceptibility threshold of 65 VdB, human response to vibration is not usually significant unless the vibration exceeds 70 VdB (FTA, 2006). Background vibration velocity in residential areas is usually 50 VdB or lower.

TABLE 12
CONSTRUCTION VIBRATION DAMAGE CRITERIA

Building Category	Approximate PPV (in/sec)	Approximate Lv (VdB)
Reinforced-concrete, steel, or timber (no plaster)	0.5	102
Engineered concrete and masonry (no plaster)	0.3	98
Non-engineered timber and masonry buildings	0.2	94
Buildings extremely susceptible to vibration damage	0.12	90

Source: FTA, 2006.

STATE AND LOCAL

Planning Documents

The KCGP Noise Element provides the following noise standards for noise generated by new development: exterior noise levels are not to exceed 65 dB Ldn, and interior noise levels are not to exceed 45 dB Ldn (Kern County, 2009).

The KCGP Noise Element does not contain any specific standards for noise resulting from construction activities. The Kern County Code of Ordinances (Section 8.36.020[H]) prohibits construction noise from the hours of 9:00 p.m. to 6:00 a.m. Monday through Friday, and from 9:00 p.m. to 8:00 a.m. on Saturdays and Sundays that is audible to 150 feet from the construction site if the site is within 1,000 feet of an occupied residence. Exemptions include emergency work and work exempted by the development services agency director for a limited time.

HAZARDOUS MATERIALS – SECTION 3.12 OF EIS

FEDERAL

Resource Conservation and Recovery Act

The Resource Conservation and Recovery Act (RCRA) regulates the land disposal of hazardous materials from cradle-to-grave. This means establishing a regulatory framework for the generation, transport, treatment, storage and disposal of hazardous waste. Specifically, Subtitle D of RCRA pertains to non-hazardous solid waste and Subtitle C focuses on hazardous solid waste. A solid waste can consist of solids, liquids and gases, but these must be discarded in order to be considered waste. Additionally, the USEPA has developed regulations to set minimum national technical standards for how disposal facilities should be designed and operated. States issue permits to ensure compliance with USEPA and state regulations. The regulated community is comprised of a diverse group that must comprehend and adhere to RCRA regulations. These groups can consist of hazardous waste generators, government agencies, small businesses, and gas stations with underground petroleum tanks.

Food, Drug, and Cosmetic Act

Under the federal Food, Drug, and Cosmetic Act, the USEPA sets maximum residue limits, or tolerances, for pesticides residues on food. When the USEPA sets a tolerance level for a food, this is the level deemed safe. In defining safe, this means that, "reasonable certainty that no harm will result from aggregate exposure to the pesticide residue." When determining a safety finding for a tolerance level, the USEPA considers the toxicity of the pesticide and its break-down products, aggregate exposure to the pesticide in foods and from other sources of exposure if applicable, and any special risks specific to infants and children. If a tolerance is not set for a pesticide residue, a food containing that pesticide residue will be subject to government seizure if deemed appropriate. However, once a tolerance has been established for a pesticide residue, then residue levels below the tolerance will not trigger enforcement actions. If the residue level is detected above that tolerance, then the commodity will be subject to seizure. Some pesticides do not have a set tolerance level as the USEPA may grant exemptions in the cases where the pesticide residue does not pose, under foreseeable situations, a significant dietary risk.

Federal Insecticide, Fungicide, and Rodenticide Act

The federal Insecticide, Fungicide, and Rodenticide Act (FIFRA) addresses the sale, distribution, and labeling of pesticides, as well as the certification and training of pesticide applicators. FIFRA establishes recordkeeping and reporting requirements on certified applicators of restricted use pesticides. Furthermore, FIFRA imposes storage, disposal, and transportation requirements on registrants and applicants for the registration of pesticides. Pesticide use is regulated through requirements to apply pesticides in a manner consistent with the label. The labeling requirement includes directions for use, warnings, and cautions along with the uses for which the pesticide is registered (e.g., pests and appropriate applications). This includes the specific conditions for the application, mixture, and storage of the pesticide. Additionally, the label must specify a time period for re-entry into an area after the pesticide has been applied, and when crops may be harvested after the application of the pesticide. If a pesticide is used in a manner contrary to specifics on its label, then the use constitutes a violation of the FIFRA.

Occupational Safety and Health Administration

The Occupational Safety and Health Administration helps ensure employee safety by regulating the handling and use of chemicals in the workplace. For instance, it administers the Hazard Communication Standard (HCS). The HCS ensures safety in the workplace concerning chemicals through requiring information to be provided and understood by workers about the identity and hazards associated with chemicals they may work with. This also requires that chemical manufactures and importers evaluate the hazards associated with the chemicals they create or import, and that these chemicals have proper labels and material safety data sheets concerning their hazards to others (e.g., customers). Downstream of the production, employers who utilize these hazardous chemicals in their workplaces are obligated to have labels and safety data sheets for their workers and to train them on the proper handling of these chemicals.

Hazardous Substances Act

The Consumer Product Safety Commission has a limited role in regulating hazardous substances; it primarily deals with the labeling of consumer products through the federal Hazardous Substances Act (FHSA). FHSA only requires products that may at some point be in the presence of people's dwellings to be labeled, including during purchase, storage, or use. These labels must alert consumers of the potential hazards that the product may pose. However, in order for a product to be required for labelling, the product must be toxic, corrosive, flammable/combustible, an irritant, a strong sensitizer, or have the ability to generate pressure through decomposition, heat, or other means. Furthermore, the product must possess the ability to cause severe personal injury or substantial illness during or as a result of any customary or reasonably predictable handling or use, including reasonably foreseeable ingestion by children.

Toxic Substances Control Act

The federal Toxic Substances Control Act (TSCA), as amended by the Frank R. Lautenberg Chemical Safety for the 21st Century Act, permits the USEPA to evaluate the potential risk from novel and existing chemicals and address unacceptable risks chemicals may have on human health and the environment. The USEPA oversees the production, importation, use, and disposal of certain chemicals. This includes the USEPA having the authority to require record keeping, reporting, and test requirements and restrictions associated with certain chemical substances and/or mixtures. However, certain groups of chemicals are excluded from TSCA consideration, including—but not limited to—food, drugs, cosmetics and pesticides. Examples of chemicals included in TSCA consideration are lead paint, asbestos, mercury, formaldehyde, and polychlorinated biphenyls.

Emergency Planning and Community Right-to-Know Act

The federal Emergency Planning and Community Right-to-Know Act (EPCRA) is designed to assist local communities protect public health, safety, and the environment from chemical hazards. The Community Right-to-Know provisions help increase the public's knowledge and access to information on chemicals at individual facilities, their uses, and releases into the environment. The EPCRA also requires industry to report on the storage, usage, and releases of hazardous substances to federal, state, and local governments, and states and communities can use the information gained to improve chemical safety and protect public health and the environment.

AESTHETICS – SECTION 3.13 OF EIS

STATE AND LOCAL

Kern County General Plan

The KCGP is the guiding document for development in unincorporated areas of the County (Kern County, 2009). Currently, a scenic route must be designated as such by the Kern County Board of Supervisors or the State of California. The KCGP discusses several highways in the County as being eligible for listing as state scenic highways; however, there are currently no officially designated scenic highways (Caltrans, 2019). Additionally, the KCGP discourages linear commercial development along streets or highways that detracts from the aesthetic enjoyment of the surroundings, and encourages aesthetically pleasing design features (Kern County, 2009). KCGP policies related to visual resources and lighting are listed below.

- **Land Use – General Provisions Policy 47**: Ensure that light and glare from discretionary new development projects are minimized in rural as well as urban areas.
- **Land Use – General Provisions Policy 48**: Encourage the use of low-glare lighting to minimize nighttime glare effects on neighboring properties.
- **Land Use – General Provisions Policy 49**: Discretionary development projects should be encouraged to incorporate innovative or "smart growth" land use planning techniques as design features, as follows:
    a. Higher density development, where compatible, to maximize the efficient use of land
    b. Mixed use developments that promote reduced vehicle trips by having residential, commercial, and public uses proximate to each other
    c. Variety of housing types, including those using energy efficient design, and densities to address Kern County's housing needs
    d. Master planned communities that feature interconnected roads, transit stops, sidewalks, landscaping, and trails to encourage efficient multimodal movements
    e. Compact development that conserves open space, agricultural land, flood-prone areas, creeks, hillsides, ridge tops, wetlands, and other natural features
    f. Adequate infrastructure (i.e., roads, sewer, water, parks, etc.) is provided as a condition of development approval by the project proponent
    g. Aesthetically pleasing and unifying design features that promote a visually pleasing environment

Kern County Zoning Code

The County Zoning Ordinance establishes basic regulations for the development of land (Kern County, 2016). Regulatory components include allowable uses, building setback requirements, and development standards. The County Zoning Ordinance promotes and protects the public health, safety, and welfare through the orderly regulation on land uses throughout the unincorporated areas of the County. Pursuant to State law, the County Zoning Ordinance must be consistent with the KCGP. The County Zoning Ordinance includes structural height limitations, with exceptions approved by the U.S. military for sites occurring within the vicinity of a military flight zone (Kern County, 2016).

REFERENCES

References for Appendix K, Expanded Regulatory Setting, are located in **Section 7** of the Draft EIS.

APPENDIX L

REFINED BIOLOGICAL ASSESSMENT

BIOLOGICAL ASSESSMENT

TEJON INDIAN TRIBE EIS

METTLER SITE, KERN COUNTY, CALIFORNIA

SEPTEMBER 2020

PREPARED FOR:

Tejon Indian Tribe
1731 Hasti Acres Drive
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PREPARED BY:

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1.0 INTRODUCTION

This Biological Assessment (BA) has been prepared in support of an application to the United States Bureau of Indian Affairs (BIA) for the acquisition of approximately 306 acres of land (Mettler Site, project site) into federal trust (Proposed Action) for the Tejon Indian Tribe of California (Tribe) and the construction of a casino resort, RV park, and associated facilities (Proposed Project). This document is intended to facilitate consultation with the U.S. Fish and Wildlife Service (USFWS) and was prepared in accordance with legal requirements set forth under Section 7 of the Federal Endangered Species Act (FESA) (16 USC 1536 [c]) concerning the effects of the Proposed Project.

The purpose of this BA is to review the Proposed Project in sufficient detail to determine the extent to which the project may affect federally-listed or candidate special-status species, and designated or proposed critical habitat. For the purposes of this BA, federally listed species include plant and animal species that are listed as endangered or threatened under the FESA of 1973, species that are formally proposed for listing, and species that are listed as candidate species and species of concern by USFWS and NMFS. This BA addresses the following goals:

- Characterizes the habitat types present within the project site;
- Evaluates the potential for the occurrence of federally endangered, threatened, proposed, or candidate species within the action area;
- Utilizes the best scientific and commercial information available to assess the potential for the Proposed Project to adversely impact federally listed species and designated critical habitat; and
- Recommends mitigation measures designed to avoid or minimize project-related impacts.

1.1 PURPOSE AND NEED

The federal Proposed Action is the acquisition of the Mettler Site in trust for the Tribe pursuant to the Secretary of Interior's authority under the Indian Reorganization Act, 25 USC 5108, issuing a two-part determination under the Indian Gaming Regulatory Act (IGRA), 25 U.S.C. § 2719 (b)(1)(A), and approval of a management contract under 25 USC § 2711. The purpose of the Proposed Action is to facilitate tribal self-sufficiency, self-determination, and economic development. The Proposed Action would thus satisfy both the Department of Interior's (Department) land acquisition policy as articulated in the Department's trust land regulations at 25 C.F.R. Part 151, and the principle goal of IGRA as articulated in 25 U.S.C. § 2701. The need for the Department to act on the Tribe's application is established by the Department's regulations in 25 C.F.R. §§ 151.10(h) and 151.12.

1.2 PROPOSED PROJECT COMPONENTS

The Proposed Project includes the construction of an approximately 715,800-square foot (sf) casino resort, recreational vehicle (RV) park, fire and sheriff station, and associated facilities on approximately 110 acres of the Mettler Site. The gaming component of the resort would consist of electronic gaming

devices and table games within an approximately 166,500-sf gaming floor area. The hotel tower would be approximately 11 stories, or 134-feet high, and contain 400 hotel rooms. Proposed restaurant facilities include a buffet, café, food court, and other specialty restaurants and bars. The Proposed Project also includes the construction of an approximately 38,000-sf multi-purpose event center and an approximately 53,000-sf convention space. The approximately 10,000-sf fire/sheriff station would be staffed and operated by Kern County in accordance with an anticipated Memorandum of Understanding (MOU) between the Tribe and County. The Proposed Project involves the removal of ongoing agricultural activities on the site, the filling of the agricultural ponds, grading and paving of the site, and improvements to surrounding roadways.

1.3 ACTION AREA

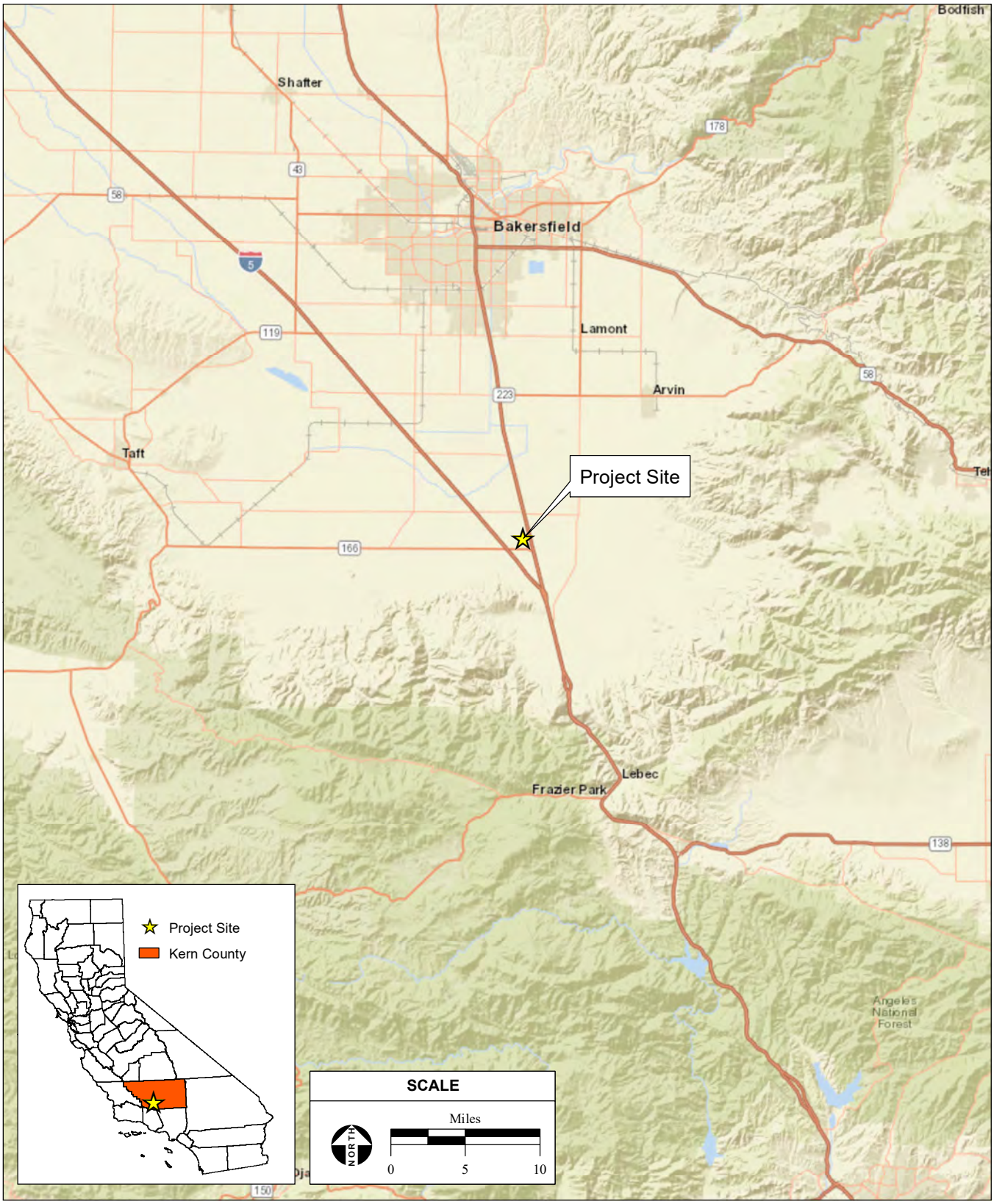
The project site is located immediately west of the unincorporated town of Mettler and approximately 14 miles south of the incorporated City of Bakersfield (City), within the southwestern portion of unincorporated Kern County, California (**Figures 1** and **2**). Three assessor parcel numbers (APNs) are proposed for acquisition into federal trust for the Tribe (project site). The APNs are listed in order from north to south and shown in **Table 1**.

TABLE 1
ASSESSOR'S PARCEL NUMBERS

APN	Acreage	Kern County Zoning/ Land Use Classification
238-204-02	152.47	A-1(Min. 20 ac. Parcel size)
238-204-04	38.33	A-1(Min. 20 ac. Parcel size)
238-204-07	114.99	A-1(Min. 20 ac. Parcel size)
238-204-14	0.03	A-1(Less than 20ac. Parcel size)
Total	**305.79**	

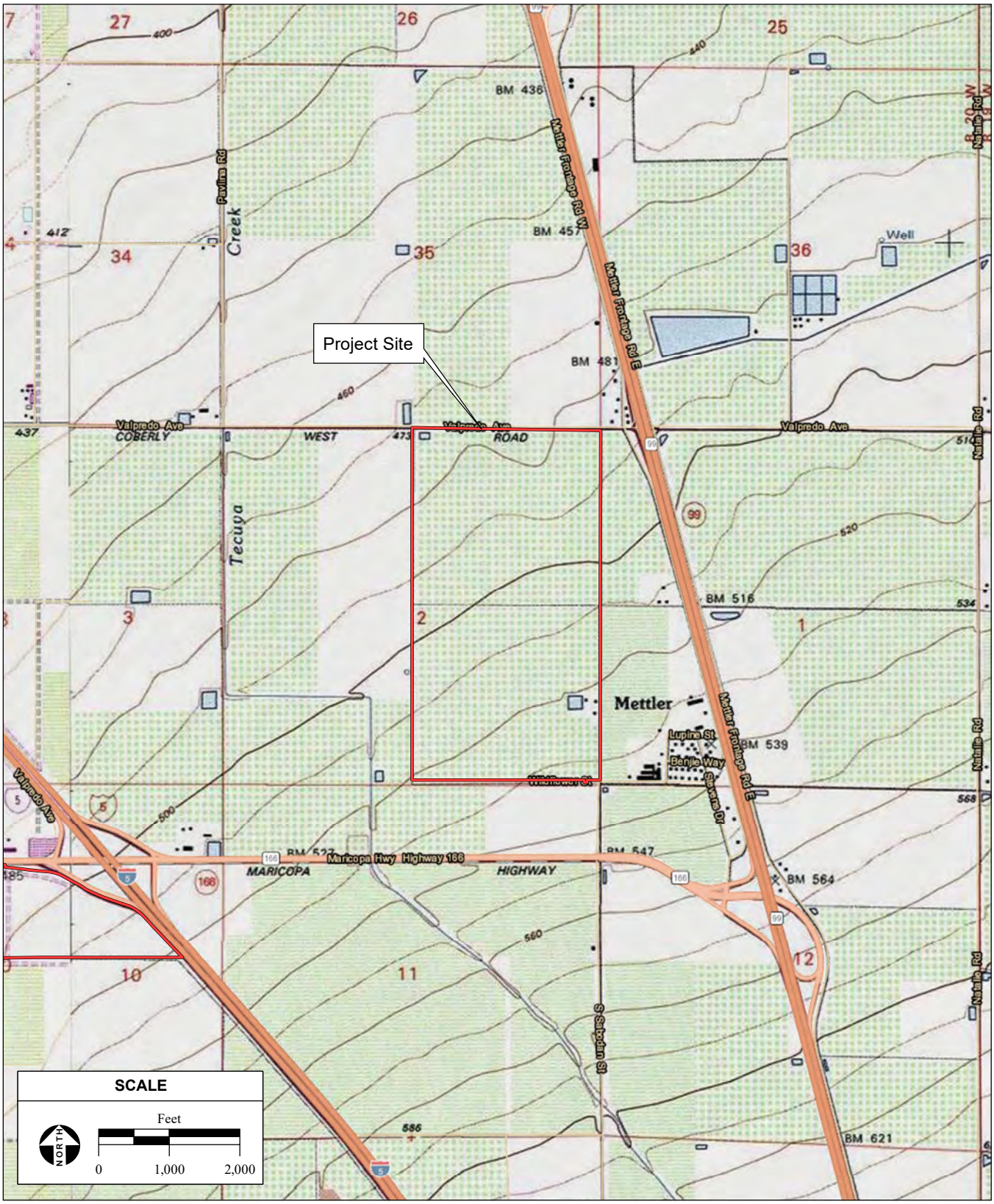
Notes:

Kern County:
A-1 (Zoning): Limited Agriculture with an Intensive Agriculture (Min. 20 ac. Parcel size)
Source: AES, 2013; Kern County Planning and Community Development Department, 2013



SOURCE: ESRI, 2019; AES, 10/2/2019

Figure 1
Regional Location



SOURCE: "Mettler, CA" USGS 7.5 Minute Topographic Quadrange, T11N, R20W, Section 2, San Bernardino Baseline & Meridian; ESRI, 2019; AES, 10/2/2019

Figure 2
Site and Vicinity

The project site is located west of Highway 99, north of Highway 166, east of Interstate 5, south of Valpredo Road, and is bounded on the south by Wildflower Street. An aerial photograph of the project site is shown in **Figure 3**. The project site occurs within Section 2, Township 11 North, Range 20 West, San Bernardino Baseline and Meridian, of the "Mettler, CA" U.S. Geological Survey (USGS) 7.5-minute topographic quadrangle (quad) and is within the Tulare-Buena Vista Lakes Watershed, Hydrologic Unit Code #18030012.

2.0 REGULATORY SETTING

This section summarizes applicable federal regulations regarding biological resources within the project site. The regulatory context of the Proposed Project is derived from federal laws that govern the protection of biological resources, including the FESA, Section 404 of the Clean Water Act, the Migratory Bird Act, and the National Environmental Policy Act (NEPA). Other state and local laws such as the California Endangered Species Act (CESA), the California Fish and Wildlife Code (including the Natural Communities Conservation Planning Act), the California Environmental Quality Act (CEQA), and relevant goals and policies within the Kern County General Plan (Kern County, 2009) are not addressed within this BA.

Federal Endangered Species Act

Provisions of the Federal Endangered Species Act of 1973 (FESA), as amended (16 United States Code [USC] 1531), protect federally-listed threatened and endangered wildlife and their habitat from take (50 Code of Federal Regulations [CFR] §17.11, 17.12). Under FESA, "take" includes activities that "harass, harm, pursue, hunt, shoot, wound, kill, trap, capture, or collect" as well as any "attempt to engage in any such conduct" (16 USC 1531[3]). USFWS defines the term "harm" to include "significant habitat modification or degradation" (50 CFR §17.3). On June 29, 1995, the U.S. Supreme Court ruled that harm may include habitat modification "where it actually kills or injures wildlife by significantly impairing essential behavioral patterns, including breeding, feeding, or sheltering" (U.S. No. 94-859; [1995]).

The USFWS and the National Oceanic and Atmospheric Administration's National Marine Fisheries Service (NMFS) implement Section 10(a)(1)(b) of FESA, which allows non-federal entities under consultation with the USFWS and NMFS to obtain incidental take permits for federally listed wildlife. Compliance with Section 10(a)(1)(b) is not required for federally listed plants.

Critical habitat is defined in Section 3 of the FESA as (i) the specific areas within the geographical area occupied by a species, at the time it is listed in accordance with the Act, on which are found those physical and biological features (I) essential to the conservation of the species and (II) that may require special management considerations or protection; and (ii) specific areas outside the geographical area occupied by the species at the time it is listed, upon a determination that such areas are essential for the conservation of the species (16 USC Section 1531 *et seq*.).

SOURCE: Microsoft aerial photograph, 5/7/2010; Kern County Data, 2010; AES, 10/2/2019

Figure 3
Aerial Parcel Map

Wetlands and Other Waters of the U.S.

Any project that involves discharge of dredged or fill material in off-reservation navigable Waters of the U.S. must first obtain authorization from the U.S. Army Corps of Engineers (USACE), under Section 404 of the Clean Water Act (CWA). Projects requiring a 404 permit under the CWA also require a Section 401 certification from either the U.S. Environmental Protection Agency (USEPA) for trust land, or the Regional Water Quality Control Board (RWQCB) for non-trust land. These two agencies also administer the National Pollutant Discharge Elimination System general permits for construction activities disturbing one acre or more.

The term "Waters of the United States" is defined as the following:

- All waters currently used, or were used in the past, or may be susceptible to use in interstate or foreign commerce, including all waters subject to the flow of the tide;
- All interstate waters including interstate wetlands; or
- All other waters such as intrastate lakes, rivers, streams (including intermittent streams), mudflats, sand flats, wetlands, sloughs, prairie potholes, wet meadows, playa lakes, or natural ponds, the use or degradation of which could affect interstate or foreign commerce including any such waters.

The term "Wetlands" is defined as:

- Waters of the U.S. that are inundated or saturated by surface or groundwater at a frequency and duration sufficient to support, and under normal circumstances do support, a prevalence of vegetation typically adapted for life in saturated soil conditions. Wetlands that meet these criteria during only a portion of the growing season are classified as seasonal wetlands.

Migratory Bird Treaty Act

Most bird species are protected under both federal and state regulations, especially those that are breeding, migratory, or of limited distribution. Under the Migratory Bird Treaty Act (MBTA) of 1918 (16 USC Sections 703-712) federally listed (50 CFR Section 10), migratory bird species, their nests, and their eggs are protected from injury or death, and any project-related disturbances during the nesting cycle. As such, any potential project-related disturbances must be reduced or eliminated during the nesting cycle.

Bald and Golden Eagle Protection Act

In addition to protection offered through the MBTA, bald and golden eagles receive special protection under the Bald and Golden Eagle Protection Act. This act prohibits take, possession, and commerce of bald and golden eagles and associated parts, feathers, nests, or eggs with limited exceptions.

3.0 METHODOLOGY

For the purposes of this BA, the action area is the project site. The action area is defined as, and solely includes, the terrestrial and aquatic habitats within the project boundary and immediately adjacent roadways. In addition to aerial photographs of the project site, the following resources were reviewed and are included in **Attachment A**:

- California Natural Diversity Database (CNDDB) query, dated November 30, 2017 and updated March 13, 2019, of state and federal special-status species known to occur on the Mettler and Coal Oil Canyon USGS 7.5 minute topographic quads (CDFW, 2019);
- USFWS official species list of federal special-status species with the potential to occur on the Mettler Site from the Information for Planning and Consultation (IPaC) database (USFWS, 2019);
- California Native Plant Society (CNPS) list of state and federal special-status plant species with the potential to occur on the Mettler and Coal Oil Canyon USGS 7.5 minute topographic quads (CNPS, 2019);
- Critical habitat map for threatened and endangered species (USFWS, 2019b);
- USFWS National Wetlands Inventory (NWI) map of wetland features in the vicinity of the Mettler Site (NWI, 2013).

3.1 BIOLOGICAL SURVEYS

Biological surveys were conducted throughout the project site on August 7, 2013, January 6 and 7, 2014, and October 4, 2018. Habitat types were classified and evaluated for the potential to support special-status plant and animal species. Habitat classification utilized methodology in *A Manual of California Vegetation* (MCV; Sawyer et al., 2009), *Preliminary Descriptions of the Terrestrial Communities of California* (Holland, 1986), and *A Guide to Wildlife Habitats of California* (Mayer and Laudenslayer, Jr., 1988). Habitats were further modified based on survey findings.

Plant and wildlife species were identified to the lowest possible taxonomic level. Tracks, scat, and other signs of wildlife were noted. Plant species identification, nomenclature, and taxonomy followed *The Jepson Manual: Higher Plants of California* (Hickman, 1993). Wildlife identification, nomenclature, and taxonomy followed standard reference texts including: *Sibley Field Guide to Birds of Western North America* (Sibley, 2003), *Field Guide to Western Reptiles and Amphibians* (Stebbins, 2003), *Mammals of North America* (Reid, 2006), and *Mammals of California* (Jameson and Peeters, 2004).

3.2 ANALYSIS

An analysis of regionally-occurring special-status species was conducted to determine which have the potential to occur within the project site (**Attachment B**). Habitat requirements for each regionally-occurring special-status species were assessed and compared to the type and quality of habitats observed

on-site during surveys. Species determined to have no potential to occur on the project site were eliminated according to lack of suitable habitat, unsuitable elevation range, lack of suitable soil/substrate, and/or distribution. The analysis was also based on reviews of resource agency materials, pertinent scientific literature, aerial photography of the project site, topographic maps of the project site, and other local information as well as field work by AES biologists.

4.0 ENVIRONMENTAL SETTING

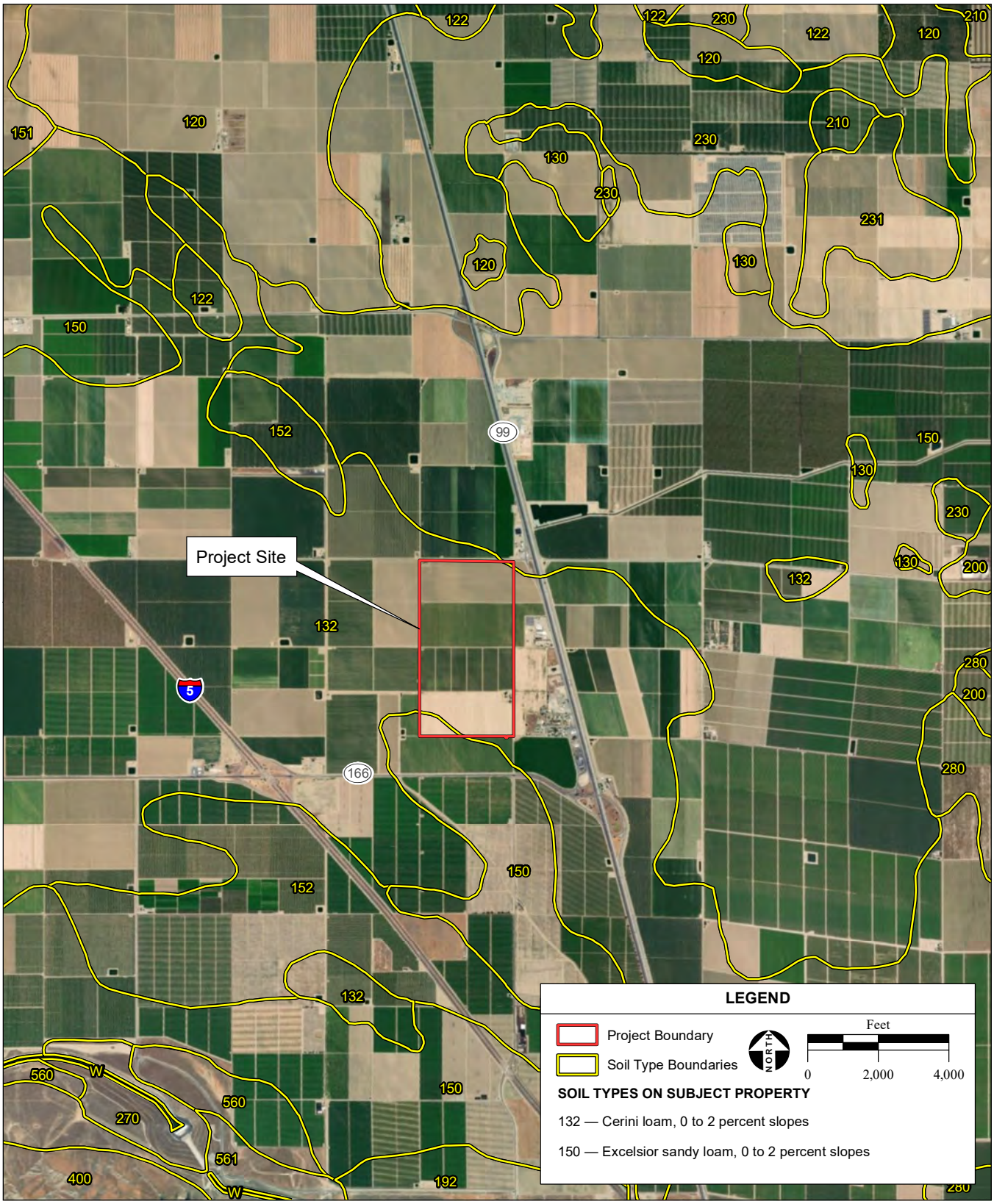
4.1 TOPOGRAPHY, CLIMATE, AND SOIL TYPES

The project site is located in the unincorporated, southwest portion of Kern County. Kern County ranges in elevation from approximately 206 feet above mean sea level (msl) to 8824 feet above msl. With such a significant variation in elevation, the climate zones within the County vary also; the highest areas in the County fall within Climate Zones 2 to 3, while the Central Valley generally falls within Climate Zones 7 to 9, and the low desert areas of the County fall within Climate Zone 11 (Nature Alley, 2013).

Climate Zones 2 to 3 generally designate a frost-free growing period of 150 to 160 days per year while Climate Zones 7 to 9 consist of cold, wet winters and hot, dry summers, and Climate Zone 11 is composed of hot, dry desert. The mean annual temperature range near the City of Bakersfield is approximately 53° to 78° Fahrenheit (F). The average annual precipitation near the City of Bakersfield is approximately 37 inches, with a maximum of approximately 6.6 inches during the month of March. This climate data was collected from 1950 to 1990 (WRCC, 2013).

The project site is located in an area designated by FEMA as Zone A (100-year flood zone). Flood Zone A is used to define areas subject to inundation by the 1-percent-annual-chance-flood event generally determined using approximate methodologies (FEMA, 1995). In areas designated as Zone A, mandatory flood insurance purchase requirements and floodplain management standards apply, pursuant to the National Flood Insurance Program (NFIP) Requirements: 60.3(b) – Zone A Requirements. A comprehensive grading and drainage plan will be prepared for the Proposed Project pursuant to current USEPA and FEMA standards.

The project site is composed of laser-leveled terrain and is situated at elevations that range from approximately 470 feet to 530 feet above msl. Surrounding land uses include rural residences, agriculture, inactive school buildings, and undeveloped areas. The project site is actively farmed and partially developed with unoccupied residential and farming related structures. According to the U.S. Department of Agriculture (USDA) Natural Resources Conservation Service (NRCS) online Soil Survey for Kern County, two soil units have been mapped within the project site (NRCS/USDA, 2010). The majority of the project site is underlain with Cerini loam, 0 to 2 percent slopes, with the exception of the northeast and southwest corners of the project site, which are underlain with Excelsior sandy loam, 0 to 2 percent slopes. A map that illustrates the extent of the soil types within the project site is provided as **Figure 4**.



SOURCE: USDA NRCS SSURGO Soil Survey of Kern County, 1995-2003;
Microsoft aerial photograph, 5/7/2010; Kern County Data, 2010; AES, 10/2/2019

Figure 4
Soil Types

4.2 HABITAT TYPES

The project site is composed of two terrestrial habitat types and one aquatic habitat type (**Figure 5**). The majority of the project site is composed of agriculture fields. Ruderal and developed areas, including unpaved roadways and parking areas, disturbed soils, and residential and farming-related structures, are located in the northwest corner and southeast portion of the project site. Three manmade agricultural ponds and connected drainage ditches are located in the northwest corner of the site. Representative photographs of terrestrial habitats are provided in **Figure 6**. Lists of plant and animal species observed on site during field surveys are included in **Attachment D**.

Agriculture

The areas classified as agriculture within the project site include all areas actively being cultivated for agricultural production. The site has been laser-leveled to facilitate agricultural uses. This accounts for the majority of the project site. No cultivation plant species were growing at the time of the biological surveys. This represents poor-quality habitat to plants and wildlife.

Ruderal/Developed

The areas classified as ruderal/developed habitat within the project site include unpaved dirt roadways and electrical power line access roads, parking areas throughout the site, farming-related structures, landscaped areas, and otherwise disturbed areas. This area contains at least one residential dwelling, storage tanks, and associated outbuildings in the southeastern corner of the Mettler Site. This represents poor-quality habitat to plants and wildlife.

Agricultural Pond/ Drainage Ditch

Aquatic habitats onsite are limited to three manmade agricultural stock ponds, which these catch agricultural runoff waters and are located within the northwest corner of the project site. They also receive surface water and flood water during rain events via culverts and a drainage ditch that runs along the west perimeter of the project site, parallel to the immediately adjacent roadway. During the site visits, the ponds appeared either completely dried or lightly wet. These ponds are ephemeral and do not support any wetland vegetation and are unlikely to significantly support wildlife. The area surrounding these ponds is heavily disturbed due to ongoing agricultural activities on site. These ponds are not adjacent to or otherwise connected to any identified Waters of the U.S.

The drainage ditch flows along the western boundary of the Mettler Site, beginning around the intersection of two unnamed roads southwest of the project site and ending at the southern edge of the agricultural ponds. The drainage ditch is mostly void of vegetation due to chemical and mechanical agricultural weed abatement practices. Herbaceous vegetation on the banks is represented mostly by non-native weedy species such as harding grass (*Phalaris aquatica*), and non-native forbs, including poison hemlock (*Conium maculatum*). These drainage ditches would not likely be considered jurisdictional Waters of the U.S. This represents poor-quality habitat to plants and wildlife.

SOURCE: Microsoft aerial photograph, 5/7/2010; Kern County Data, 2010; AES, 10/2/2019

Figure 5
Habitat Types

PHOTO 1: View of project site facing southwest.

PHOTO 2: View of project site facing west.

PHOTO 3: View of project site facing north.

PHOTO 4: View of agricultural stock pond.

PHOTO 5: View of agricultural stock pond.

PHOTO 6: View of disturbed area and farming residential/ storage structures.

SOURCE: AES, 10/2/2019

Figure 6
Site Photographs

4.3 WETLANDS AND WATERS OF THE U.S

The three agricultural stock ponds located in the northwest corner of the site are manmade and are used for storing agricultural runoff (**Figure 5**). The area surrounding the stock ponds is heavily disturbed and void of native vegetation. The manmade ponds and adjacent drainage do not meet conditions to be considered jurisdictional Waters of the U.S.

4.4 CRITICAL HABITAT

There is no designated critical habitat within the project site. The nearest critical habitat to the site is for the Buena Vista Lake shrew (*Sorex ornatus relictus*), which was designated in 2002 and it is approximately 4.0 miles northwest of the project site. Critical habitat for the California condor (*Gymnogyps californianus*) was designated in 1967 approximately 5.5 miles southeast of the project site.

4.5 FEDERALLY-LISTED SPECIES

For the purposes of this assessment, "special-status" has been defined to include those species that are listed as endangered or threatened under the FESA (or formally proposed and/or candidates for listing). While other state and/or CNPS-listed species may have potential to occur within the project site, this BA only addresses species which are afforded protection by the FESA.

Lists of federally-listed special-status plants known to occur in Kern County or with known occurrences in the Mettler and Coal Oil Canyon USGS quads are included in **Attachment A**. Further analysis for the federally listed plant species included in the database queries are further analyzed in **Attachment B**. Regionally-occurring special-status plant species that were determined to have no potential to occur within the project site are not further discussed within this document.

Based on the results of the agency database queries and the site reconnaissance surveys, federally-listed plant and animal species have potential to occur within the region. The name, regulatory status, distribution, habitat requirements, and period of identification for federal special-status animals with potential to occur on-site are identified in **Table 2**.

TABLE 2
FEDERAL SPECIAL-STATUS SPECIES WITH THE POTENTIAL TO OCCUR WITHIN THE PROJECT SITE

Scientific Name Common name	Federal/State/ CNPS Status	Distribution	Habitat Requirements	Period of Identification
Reptiles				
Gambelia sila Blunt-nosed leopard lizard	FE/CE/--	Endemic to California. Inhabits the San Joaquin Valley and nearby valleys and foothills, from extreme northwest Santa Barbara County and western Kern County north to southern Merced County.	Semiarid grasslands, desert scrub habitats, alkali flats, washes arroyos, canyons and low foothills. Prefers flat areas with open space for running, avoiding densely vegetated areas. Elevation 30 to 730 m (100 to 2,400 feet). Do not appear to use slopes >30-40 degrees	Year Round
Mammals				
Dipodomys nitratoides nitratoides Tipton kangaroo rat	FE/CE/--	Known on the San Joaquin Valley floor, in isolated portions of Kings, Tulare, and Kern county.	Alkali grassland and chenopod scrub. Inhabits open areas in flat terrain not subject to flooding.	Year Round (Nocturnal)
Vulpes macrotis mutica San Joaquin kit fox	FE/CT/--	Known to occur from southern Kern County north to San Joaquin County and into the Coastal Range.	Alkali sink, valley grassland, foothill woodland. Hunts in areas with low sparse vegetation that allows good visibility and mobility.	Year Round

STATUS CODES

FEDERAL: United States Fish and Wildlife Service
FE Federally Endangered

STATE: California Department of Fish and Game
CE California Endangered
CT California Threatened
CSC California Species of Concern

SOURCE: USFWS, 2013; CDFW, 2003

Four federally listed animal species with recorded occurrences within a five-mile radius of the project site include: Buena Vista Lake ornate shrew (*Sorex ornatus relictus*), San Joaquin kit fox (*Vulpes macrotis mutica*), Tipton kangaroo rat (*Dipodomys nitratoides nitratoides*), and blunt-nosed leopard lizard (*Gambelia sila*). Of these, the Buena Vista Lake ornate shrew does not have the potential to occur on-site.

Due to the tilled conditions and laser-leveling of the project site and ongoing agricultural activities on the site, special-status plants and animals are not likely to occur. None of these species have been observed on-site during surveys, but species descriptions and potential impacts are described below.

Blunt-Nosed Leopard Lizard (*Gambelia Sila*)

Federal Status: Endangered

Habitat and Biology: The blunt-nosed leopard lizard occurs in open, sparsely vegetated areas on the San Joaquin Valley floor and in surrounding foothills, in the valley needlegrass grassland, alkali playa, and atriplex grassland habitats of the San Joaquin Valley. The blunt-nosed leopard lizard is endemic to the San Joaquin Valley of central California. The nearest recorded occurrences of the blunt-nosed leopard lizard in relation to the project site (CNDDB Occurrence Number: 89) was originally recorded on April 25, 1955 approximately 4 miles south of the project site, in the foothills of the San Emigdio Mountains and Wheeler Ridge. Critical habitat has not yet been designated for this species. This species has been analyzed in the Recovery Plan for Upland Species of the San Joaquin Valley, California, which was finalized on September 30, 1998.

Tipton kangaroo rat (*Dipodomys nitratoides nitratoides*)

Federal Status: Endangered

Habitat and Biology: The Tipton kangaroo rat is one of three subspecies of the San Joaquin kangaroo rat and inhabits open areas in flat terrain not subject to flooding. The Tipton kangaroo rat is limited to scattered, isolated areas of Fresno, Kern, Kings, San Luis Obispo, and Tulare counties. The nearest recorded occurrences of the Tipton kangaroo rat in relation to the project site (CNDDB Occurrence Numbers: 58 and 97) were July, 1985, and February 22, 1976, located approximately 4 miles northeast of the project site and 4 miles south of the project site in the foothills of the San Emigdio Mountains and Wheeler Ridge. Critical habitat has not yet been designated for this species. This species has been analyzed in the Recovery Plan for Upland Species of the San Joaquin Valley, California, which was finalized on September 30, 1998.

San Joaquin Kit Fox (*Vulpes macrotis mutica*)

Federal Status: Endangered

Habitat and Biology: The San Joaquin kit fox is one of two subspecies of kit fox North America. They are primarily nocturnal and adapted for arid, desert-like habitats in North America that are characterized by sparse or absent shrub cover, sparse ground cover, and small vegetative structure. The San Joaquin kit fox is known to occur from southern Kern County north to San Joaquin County and into the Coastal Range. The nearest recorded occurrence of the San Joaquin kit fox in relation to the project site (CNDDB Occurrence Numbers: 735, 736, and 738) were originally recorded in July, 1975, approximately 5 miles northwest, 3 miles west, and 5 miles southwest of the project site. Critical habitat has not yet been designated for this species. This species has been analyzed in the Recovery Plan for Upland Species of the San Joaquin Valley, California, which was finalized on September 30, 1998.

5.0 EFFECTS OF THE ACTION

This section outlines potential impacts to habitat and species, as well as recommended mitigation measures to offset impacts. The Proposed Project is likely to result in direct and/or indirect impacts (i.e., development) to agriculture, ruderal/developed, and agricultural stock pond habitats on-site. These habitats are not considered sensitive.

5.1 CRITICAL HABITAT

No critical habitat is designated within the project site; however, critical habitat is designated to the northwest and southeast of the project site**.** Critical habitat for the California condor (*Gymnogyps californianus*) was designated in 1967 approximately 5.5 miles southeast of the project site. Critical habitat for the Buena Vista Lake ornate shrew (*Sorex ornatus relictus)* was designated in 2002 approximately 4.0 miles northwest of the project site. Other designated critical habitats occur further from the project site and are not discussed further in this document.

Neither the California condor nor the Buena Vista Lake ornate shrew have been observed during surveys of the project site. There are no known occurrences of California condors within a 5-mile radius of the project site; however there has been one documented occurrence of the Buena Vista Lake ornate shrew in 1991 within a 5-mile radius of the project site. The project site does not offer suitable habitat for these species.

The disturbed laser-leveled state of the property, ongoing agricultural activities, and presence of heavy traffic immediately to the east on Highway 99, to the south on Highway 166, and to the west on Interstate 5 further reduce the likelihood of special-status species occurring on the project site. There would be **no impact** to critical habitat.

5.2 FEDERALLY-LISTED SPECIES

Three special-status species have the potential to occur on-site: San Joaquin kit fox (*Vulpes macrotis mutica*), Tipton kangaroo rat (*Dipodomys nitratoides nitratoides*), and blunt-nosed leopard lizard (*Gambelia sila*). Potential impacts and recommended mitigation measures are discussed below.

Blunt-Nosed Leopard Lizard (*Gambelia Sila*)

Potential Impacts: The blunt-nosed leopard lizard has the potential to occur in the agricultural fields on-site. However, it has not been observed onsite during previous surveys, and due to the absence of vegetation, ongoing agricultural activities onsite, and the laser-leveling and frequent disturbance of soils, it is unlikely that the blunt-nosed leopard lizard occurs on the project site. There are no known occurrences of this species within a five-mile radius of the site within the last fifty years. The Proposed Project has the potential to indirectly impact the blunt-nosed leopard lizard through the development of the site and removal of potential habitat, or directly through mortality.

Recommended Mitigation Measure(s): The project site contains only marginal habitat for blunt-nosed leopard lizard (BLL). Confirmed occurrences within a five-mile radius of the project site have not occurred in over fifty years. Recent occurrences beyond five miles from the project site exist past multiple main roadways or freeways. Due to the marginal habitat and lack of presence within a reasonable movement area, it is extremely unlikely that blunt-nosed leopard lizard would occur on site. However, the following mitigation measures would minimize or avoid impacts to blunt-nosed leopard lizard, should they occur. There would be a less-than-significant impact with mitigation:

- A pre-construction survey for BLL shall be performed by a qualified biologist within 30 days prior to construction activities to establish the presence of species on this site. The survey shall occur during the months of April through October to avoid surveying during peak hibernation months when BLL are inactive. Should BLL be observed, the USFWS shall be contacted to determine appropriate removal or avoidance measures. The survey methods shall be consistent with CDFW's *Approved Survey Methodology for the Blunt-nosed Leopard Lizard* (**Attachment C**).
- Prior to construction activities, a qualified biologist shall instruct and distribute informational materials to construction personnel about BLL including life history information, habitat requirements, and appropriate response to potential observations. The qualified biologist shall monitor construction during initial grading activities. Documentation of this training shall be maintained on site.
- Should BLL or other listed federal species be detected within the construction footprint at any point during construction or monitoring, grading activities shall halt, and the USFWS shall be consulted. No grading activities shall commence until USFWS authorizes the re-initiation of grading activities.

Tipton kangaroo rat (*Dipodomys nitratoides nitratoides*)

Potential Impacts: The Tipton kangaroo rat has the potential to occur in the flat, open agricultural fields on-site; however, due to the ongoing agricultural activities, the laser-leveling and frequent disturbance of soils, and the potential for flooding on-site, it is unlikely that the Tipton kangaroo rat occurs on the project site. There have been no occurrences of Tipton kangaroo rat within five miles of the project site in over forty years. If found on site, the Proposed Project has the potential to indirectly impact the Tipton kangaroo rat through the development of the site and removal of potential habitat, or directly through mortality.

Recommended Mitigation Measure(s): The project site contains only marginal habitat for Tipton kangaroo rat. Confirmed occurrences within a five-mile radius of the project site have not occurred in over forty years. Recent occurrences beyond five miles from the project site exist past multiple main roadways or freeways. Due to the marginal habitat and lack of presence within a reasonable movement

area, it is extremely unlikely that Tipton kangaroo rat would occur on site. However, the following mitigation measures would minimize or avoid impacts to blunt-nosed leopard lizard, should they occur. There would be a less-than-significant impact with mitigation:

- A preconstruction survey for kangaroo rat presence shall be conducted between two weeks and 30 calendar days before the start of ground-disturbing activities. A qualified biologist shall survey for kangaroo rat sign such as scat, burrows, tail drag marks, and tracks. Should a confirmed observation of a kangaroo rat occur, USFWS service shall be contacted to determine if relocation procedures are necessary. Presence of Tipton kangaroo rat shall be assumed if positive sign for any kangaroo rat is observed due to the difficulty of species-level identification without live trapping. The *2013 Survey Protocol for Determining Presence of San Joaquin Kangaroo Rats,* developed by the USFWS will be referenced (**Attachment C**).
- Should an active burrow be observed on site, a 50-foot buffer shall be marked around the burrow entrance by the qualified biologist with high-visibility fencing. Should the active burrow be within the project footprint, USFWS shall be contacted to determine the appropriate removal or avoidance measures.
- Prior to construction activities, a qualified biologist shall instruct and distribute informational materials to construction personnel about Tipton kangaroo rat including life history information, habitat requirements, and appropriate response to potential observations. The qualified biologist shall monitor construction during initial grading activities. Documentation of this training shall be maintained on site.

San Joaquin Kit Fox (*Vulpes macrotis mutica*)

Potential Impacts: The San Joaquin kit fox has the potential to occur in the agricultural fields on the project site due to the suitability of the site for supporting small mammals the kit fox relies on for prey. However, the site does not provide suitable habitat for subsurface dens due to the ongoing agricultural activities, the laser-leveling and frequent disturbance of soils, and the potential for flooding on-site. No San Joaquin kit foxes or dens have been observed on the project site. The Proposed Project has the potential to indirectly impact the San Joaquin kit fox through the development of the site and potential foraging habitat, and directly through mortality.

Recommended Mitigation Measure(s): To ensure that potential impacts to San Joaquin kit fox (SJKF) are minimized or avoided, the following mitigation measures are recommended. There would be a less-than-significant impact with mitigation:

- Potential dens shall be visibly marked by a qualified biologist into an exclusion zone with a 100-foot buffer. No staging of materials or equipment, construction personnel, or other construction activity shall occur within the setback areas. The avoidance buffer shall be maintained until either the completion of construction, or the proper destruction of the den as described below. The provisions of the U.S. Fish and Wildlife Service's published *Standardized Recommendations for*

Protection of the San Joaquin Kit Fox Prior to or During Ground Disturbance shall apply for survey protocol and buffer zones (**Attachment C**).

- A qualified biologist shall conduct a preconstruction survey to assess potential presence of SJKF two calendar weeks to thirty calendar days prior to commencement of ground disturbance for projects located within the Southwest Zone or Southwest/Central Transition Zone. A report summarizing the findings of the survey shall be sent to the USFWS within five days of completion of any pre-construction surveys. If the construction activities stop on the site for a period of 5 days or more, then an additional pre-construction survey shall be conducted no more than 48 hours prior to the start of construction. If no SJKF or potential dens are found during the preconstruction survey, no further action is required regarding this specie.
- If any SJKF potential dens are identified on the project site during the preconstruction survey or during construction activities (potential dens are defined as burrows at least four inches in diameter which open up within two feet), the USFWS shall be notified immediately and no construction activity shall occur within 100 feet of the potential den. An exclusionary zone shall be implemented as described above.
- Potential den entrances shall be monitored with trail cameras for 3 consecutive days, or dusted for 3 consecutive days to register track of any San Joaquin kit fox present. If no San Joaquin kit fox activity is identified, potential dens may be destroyed by careful excavation followed by immediate filling and compacting of the soil. If San Joaquin kit fox activity is identified, a buffer zone of 250 feet shall be maintained around the den until the biologist determines that the den has been vacated. The den will be considered vacant when 3 days of den entrance dusting or trail camera monitoring results in no SJKF sign, at which point only a 100-foot buffer becomes necessary. Should destruction of such a vacated natal den be necessary, USFWS shall be contacted, and the appropriate take permit issued. Where San Joaquin kit fox are identified, the provisions of the U.S. Fish and Wildlife Service's published *Standardized Recommendations for Protection of the San Joaquin Kit Fox Prior to or During Ground Disturbance* shall apply for den destruction and on-going operational recommendations (**Attachment C**).
- A qualified biologist shall conduct habitat sensitivity training related to SJKF for project contractors and shall monitor construction during initial grading activities within the project site. Under this program, workers shall be informed about the presence of SJKF and habitat associated with the species and that unlawful take of the animal or destruction of its habitat is not permitted. Prior to construction activities, a qualified biologist shall instruct and distribute informational materials to construction personnel about: (1) the life history of the SJKF; (2) the importance of habitat requirements for SJKF; (3) sensitive areas including those identified on site, and (4) the importance of maintaining the required setbacks and detailing the limits of the construction area. Documentation of this training shall be maintained on site.
- The standards of the U.S. Fish and Wildlife Services' publication include provisions for educating construction workers regarding the kit fox, keeping heavy equipment operating at safe speeds, checking construction pipes for kit fox occupation during construction and similar activities.

5.3 MIGRATORY BIRDS

As discussed in **Section 2.0**, migratory bird species are protected under the statutes of the MBTA (16 USC Sections 703-712). The limited trees and vegetation surrounding the residential and farming-related structures in the disturbed areas on-site have the potential to support migratory bird species.

Potential Impacts: The Proposed Project has potential to impact nesting migratory birds directly and indirectly if construction activities occur during the avian nesting season and involve the removal of potential habitat. Activities such as building, grading, ground disturbance, and vegetation removal could directly impact nesting birds if their nests are located within development areas. Increased human activity and traffic, elevated noise levels, and operation of machinery could indirectly impact nesting birds if their nests are located within the vicinity of development areas. Disturbance of this nature that occurs within 500 feet of an active nest could cause nest abandonment or premature fledging of the young. Impacts to migratory birds would be **less-than-significant with mitigation** measures presented below.

Recommended Mitigation Measure(s): If any construction activities (e.g., building, grading, ground disturbance, removal of vegetation) are scheduled to occur during the avian nesting season (approximately February 15 to August 31), pre-construction bird surveys shall be conducted. Pre-construction surveys for any nesting bird species shall be conducted by a qualified wildlife biologist throughout all areas of suitable trees and habitat that are within 500 feet of any proposed construction activity. The surveys shall occur no more than 14 days prior to the scheduled onset of construction activities. If construction is delayed or halted for more than 14 days, another pre-construction survey for nesting bird species shall be conducted. If no nesting birds are detected during the pre-construction surveys no additional surveys or mitigation measures are required.

If nesting bird species are observed within 500 feet of construction areas during the surveys, appropriate avoidance setbacks shall be established. The size and scale of nesting bird avoidance setbacks shall be determined by a qualified wildlife biologist and shall be dependent upon the species observed and the location of the nest. Avoidance setbacks shall be established around all active nest locations via stakes and high visibility fencing. The nesting bird setbacks shall be completely avoided during the duration of construction activities and the fencing must remain intact. The qualified wildlife biologist shall also determine an appropriate monitoring plan and will decide if construction monitoring is necessary during the duration of construction activities. Again, monitoring requirements are dependent upon the species observed, the location of the nests, and the number of nests observed. The setback fencing may be removed when the qualified wildlife biologist confirms that the nest(s) is no longer occupied and all birds have fledged.

If impacts (i.e., take) to migratory nesting bird species are unavoidable, consultation with USFWS shall be initiated. Through consultation, an appropriate and acceptable course of action shall be established.

There would be a less-than-significant impact with mitigation.

5.4 INTERRELATED AND INTERDEPENDENT EFFECTS

Interrelated and interdependent activities are those activities that occur as a result of the Proposed Project. These activities would not occur and would not be required without the Proposed Project, and they do not have any independent utility on their own. However, interrelated and interdependent activities may result in impacts to biological resources and the effects of these activities can be direct or indirect.

The remainder of the Mettler Site would not be developed in the near term, but may be developed at the discretion of the Tribe. The EIS contains a description and analysis of potential future buildout and off-site improvements of the project site beyond the Proposed Project analyzed in this report. Future facilities may include tribal housing, a community center, and other structures to assist in the housing and community needs of the Tribe.

Generally speaking, future development projects could result in cumulative impacts to habitats, Waters of the U.S., and special-status species or their habitats via disturbance and increased human population and activity. Cumulative impacts of this nature might include new development projects, habitat fragmentation, net loss of open space, edge effects, and disruption of wildlife corridors. However, no specific projects are proposed for the action area at this time. Any proposed future development in the action area would be required to mitigate for impacts to biological resources based on NEPA, CWA, and FESA requirements. Likewise, the Proposed Project is not anticipated to significantly contribute to any cumulative impacts within the action area due to the associated mitigation measures.

6.0 CONCLUSIONS AND DETERMINATION

HABITAT TYPES

There are no sensitive habitat types on the project site, and no USACE jurisdictional Waters of the U.S. Additionally, there are no designated critical or essential habitats on site. There will be **no impact** to sensitive habitat on site.

SPECIAL-STATUS SPECIES

The terrestrial features within the project site may provide suitable habitat for the following federally listed animal species: blunt-nosed leopard lizard, Tipton kangaroo rat, and San Joaquin kit fox. The Proposed Project **may effect, but is not likely to adversely affect** these potentially occurring federally-listed animal species. These species are not likely to occur within the project site due to high levels of disturbance and low-quality habitat. However, implementation of the recommended mitigation measures in **Section 5.0** will ensure that any potential impacts to federally listed animals or their habitats resulting from the Proposed Project will be less-than-significant or completely avoided.

MIGRATORY BIRDS

Habitat types within the project site provide minimal suitable nesting and foraging habitat for migratory bird species. The Proposed Project **may effect, but is not likely to adversely affect** migratory nesting bird species due to implementation of recommended mitigation measures that will reduce any potential impacts will to less-than-significant levels.

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ATTACHMENTS

ATTACHMENT A

PRELIMINARY RESEARCH DATA

United States Department of the Interior

FISH AND WILDLIFE SERVICE
Sacramento Fish And Wildlife Office
Federal Building
2800 Cottage Way, Room W-2605
Sacramento, CA 95825-1846
Phone: (916) 414-6600 Fax: (916) 414-6713

In Reply Refer To: May 14, 2019
Consultation Code: 08ESMF00-2019-SLI-1916
Event Code: 08ESMF00-2019-E-06128
Project Name: Tejon Casino Mettler Site

Subject: List of threatened and endangered species that may occur in your proposed project location, and/or may be affected by your proposed project

To Whom It May Concern:

The enclosed species list identifies threatened, endangered, proposed and candidate species, as well as proposed and final designated critical habitat, under the jurisdiction of the U.S. Fish and Wildlife Service (Service) that may occur within the boundary of your proposed project and/or may be affected by your proposed project. The species list fulfills the requirements of the Service under section 7(c) of the Endangered Species Act (Act) of 1973, as amended (16 U.S.C. 1531 *et seq.*).

Please follow the link below to see if your proposed project has the potential to affect other species or their habitats under the jurisdiction of the National Marine Fisheries Service:

http://www.nwr.noaa.gov/protected_species/species_list/species_lists.html

New information based on updated surveys, changes in the abundance and distribution of species, changed habitat conditions, or other factors could change this list. Please feel free to contact us if you need more current information or assistance regarding the potential impacts to federally proposed, listed, and candidate species and federally designated and proposed critical habitat. Please note that under 50 CFR 402.12(e) of the regulations implementing section 7 of the Act, the accuracy of this species list should be verified after 90 days. This verification can be completed formally or informally as desired. The Service recommends that verification be completed by visiting the ECOS-IPaC website at regular intervals during project planning and implementation for updates to species lists and information. An updated list may be requested through the ECOS-IPaC system by completing the same process used to receive the enclosed list.

The purpose of the Act is to provide a means whereby threatened and endangered species and the ecosystems upon which they depend may be conserved. Under sections 7(a)(1) and 7(a)(2) of the Act and its implementing regulations (50 CFR 402 *et seq.*), Federal agencies are required to utilize their authorities to carry out programs for the conservation of threatened and endangered species and to determine whether projects may affect threatened and endangered species and/or designated critical habitat.

A Biological Assessment is required for construction projects (or other undertakings having similar physical impacts) that are major Federal actions significantly affecting the quality of the human environment as defined in the National Environmental Policy Act (42 U.S.C. 4332(2)(c)). For projects other than major construction activities, the Service suggests that a biological evaluation similar to a Biological Assessment be prepared to determine whether the project may affect listed or proposed species and/or designated or proposed critical habitat. Recommended contents of a Biological Assessment are described at 50 CFR 402.12.

If a Federal agency determines, based on the Biological Assessment or biological evaluation, that listed species and/or designated critical habitat may be affected by the proposed project, the agency is required to consult with the Service pursuant to 50 CFR 402. In addition, the Service recommends that candidate species, proposed species and proposed critical habitat be addressed within the consultation. More information on the regulations and procedures for section 7 consultation, including the role of permit or license applicants, can be found in the "Endangered Species Consultation Handbook" at:

http://www.fws.gov/endangered/esa-library/pdf/TOC-GLOS.PDF

Please be aware that bald and golden eagles are protected under the Bald and Golden Eagle Protection Act (16 U.S.C. 668 *et seq.*), and projects affecting these species may require development of an eagle conservation plan (http://www.fws.gov/windenergy/eagle_guidance.html). Additionally, wind energy projects should follow the wind energy guidelines (http://www.fws.gov/windenergy/) for minimizing impacts to migratory birds and bats.

Guidance for minimizing impacts to migratory birds for projects including communications towers (e.g., cellular, digital television, radio, and emergency broadcast) can be found at: http://www.fws.gov/migratorybirds/CurrentBirdIssues/Hazards/towers/towers.htm; http://www.towerkill.com; and http://www.fws.gov/migratorybirds/CurrentBirdIssues/Hazards/towers/comtow.html.

We appreciate your concern for threatened and endangered species. The Service encourages Federal agencies to include conservation of threatened and endangered species into their project planning to further the purposes of the Act. Please include the Consultation Tracking Number in the header of this letter with any request for consultation or correspondence about your project that you submit to our office.

Attachment(s):

- Official Species List

Official Species List

This list is provided pursuant to Section 7 of the Endangered Species Act, and fulfills the requirement for Federal agencies to "request of the Secretary of the Interior information whether any species which is listed or proposed to be listed may be present in the area of a proposed action".

This species list is provided by:

Sacramento Fish And Wildlife Office
Federal Building
2800 Cottage Way, Room W-2605
Sacramento, CA 95825-1846
(916) 414-6600

Project Summary

Consultation Code: 08ESMF00-2019-SLI-1916

Event Code: 08ESMF00-2019-E-06128

Project Name: Tejon Casino Mettler Site

Project Type: DEVELOPMENT

Project Description: Casino

Project Location:

Approximate location of the project can be viewed in Google Maps: https://www.google.com/maps/place/35.06934485127324N118.98025989531544W

Counties: Kern, CA

Endangered Species Act Species

There is a total of 10 threatened, endangered, or candidate species on this species list.

Species on this list should be considered in an effects analysis for your project and could include species that exist in another geographic area. For example, certain fish may appear on the species list because a project could affect downstream species.

IPaC does not display listed species or critical habitats under the sole jurisdiction of NOAA Fisheries[1], as USFWS does not have the authority to speak on behalf of NOAA and the Department of Commerce.

See the "Critical habitats" section below for those critical habitats that lie wholly or partially within your project area under this office's jurisdiction. Please contact the designated FWS office if you have questions.

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1. NOAA Fisheries, also known as the National Marine Fisheries Service (NMFS), is an office of the National Oceanic and Atmospheric Administration within the Department of Commerce.

Mammals

NAME	STATUS
San Joaquin Kit Fox *Vulpes macrotis mutica* No critical habitat has been designated for this species. Species profile: https://ecos.fws.gov/ecp/species/2873	Endangered
Tipton Kangaroo Rat *Dipodomys nitratoides nitratoides* No critical habitat has been designated for this species. Species profile: https://ecos.fws.gov/ecp/species/7247 Species survey guidelines: https://ecos.fws.gov/ipac/guideline/survey/population/40/office/11420.pdf	Endangered

Birds

NAME	STATUS
California Condor *Gymnogyps californianus* Population: U.S.A. only, except where listed as an experimental population There is **final** critical habitat for this species. Your location is outside the critical habitat. Species profile: https://ecos.fws.gov/ecp/species/8193	Endangered
Southwestern Willow Flycatcher *Empidonax traillii extimus* There is **final** critical habitat for this species. Your location is outside the critical habitat. Species profile: https://ecos.fws.gov/ecp/species/6749	Endangered

Reptiles

NAME	STATUS
Blunt-nosed Leopard Lizard *Gambelia silus* No critical habitat has been designated for this species. Species profile: https://ecos.fws.gov/ecp/species/625	Endangered
Giant Garter Snake *Thamnophis gigas* No critical habitat has been designated for this species. Species profile: https://ecos.fws.gov/ecp/species/4482	Threatened

Amphibians

NAME	STATUS
California Red-legged Frog *Rana draytonii* There is **final** critical habitat for this species. Your location is outside the critical habitat. Species profile: https://ecos.fws.gov/ecp/species/2891	Threatened

Fishes

NAME	STATUS
Delta Smelt *Hypomesus transpacificus* There is **final** critical habitat for this species. Your location is outside the critical habitat. Species profile: https://ecos.fws.gov/ecp/species/321	Threatened

Crustaceans

NAME	STATUS
Vernal Pool Fairy Shrimp *Branchinecta lynchi* There is **final** critical habitat for this species. Your location is outside the critical habitat. Species profile: https://ecos.fws.gov/ecp/species/498	Threatened

Flowering Plants

NAME	STATUS
Bakersfield Cactus *Opuntia treleasei* No critical habitat has been designated for this species. Species profile: https://ecos.fws.gov/ecp/species/7799	Endangered

Critical habitats

THERE ARE NO CRITICAL HABITATS WITHIN YOUR PROJECT AREA UNDER THIS OFFICE'S JURISDICTION.

CALIFORNIA DEPARTMENT OF FISH and WILDLIFE RareFind

Query Summary:
Quad IS (Mettler (3511818) OR Coal Oil Canyon (3511911))

Print Close

CNDDB Element Query Results

Scientific Name	Common Name	Taxonomic Group	Element Code	Total Occs	Returned Occs	Federal Status	State Status	Global Rank	State Rank	CA Rare Plant Rank	Other Status	Habitats
Agelaius tricolor	tricolored blackbird	Birds	ABPBXB0020	952	2	None	Threatened	G2G3	S1S2	null	BLM_S-Sensitive, CDFW_SSC-Species of Special Concern, IUCN_EN-Endangered, NABCI_RWL-Red Watch List, USFWS_BCC-Birds of Conservation Concern	Freshwater marsh, Marsh & swamp, Swamp, Wetland
Anniella sp.	California legless lizard	Reptiles	ARACC01070	119	1	None	None	G3G4	S3S4	null	CDFW_SSC-Species of Special Concern	null
Antrozous pallidus	pallid bat	Mammals	AMACC10010	419	1	None	None	G5	S3	null	BLM_S-Sensitive, CDFW_SSC-Species of Special Concern, IUCN_LC-Least Concern, USFS_S-Sensitive, WBWG_H-High Priority	Chaparral, Coastal scrub, Desert wash, Great Basin grassland, Great Basin scrub, Mojavean desert scrub, Riparian woodland, Sonoran desert scrub, Upper montane coniferous forest, Valley & foothill grassland
Arizona elegans occidentalis	California glossy snake	Reptiles	ARADB01017	260	7	None	None	G5T2	S2	null	CDFW_SSC-Species of Special Concern	null
Athene cunicularia	burrowing owl	Birds	ABNSB10010	1984	1	None	None	G4	S3	null	BLM_S-Sensitive, CDFW_SSC-Species of Special Concern, IUCN_LC-Least Concern, USFWS_BCC-Birds of Conservation Concern	Coastal prairie, Coastal scrub, Great Basin grassland, Great Basin scrub, Mojavean desert scrub, Sonoran desert scrub, Valley & foothill grassland
Atriplex tularensis	Bakersfield smallscale	Dicots	PDCHE04240	3	1	None	Endangered	GX	SX	1A	null	Chenopod scrub, Meadow & seep
Bombus crotchii	Crotch bumble bee	Insects	IIHYM24480	234	1	None	None	G3G4	S1S2	null	null	null
Caulanthus lemmonii	Lemmon's jewelflower	Dicots	PDBRA0M0E0	86	1	None	None	G3	S3	1B.2	BLM_S-Sensitive, SB_SBBG-Santa Barbara Botanic Garden, USFS_S-Sensitive	Pinon & juniper woodlands, Valley & foothill grassland
Chloropyron molle ssp. hispidum	hispid salty bird's-beak	Dicots	PDSCR0J0D1	35	1	None	None	G2T1	S1	1B.1	BLM_S-Sensitive	Alkali playa, Meadow & seep, Wetland
Dipodomys nitratoides nitratoides	Tipton kangaroo rat	Mammals	AMAFD03152	79	1	Endangered	Endangered	G3T1T2	S1S2	null	IUCN_VU-Vulnerable	Chenopod scrub
Emys marmorata	western pond turtle	Reptiles	ARAAD02030	1367	1	None	None	G3G4	S3	null	BLM_S-Sensitive, CDFW_SSC-Species of Special Concern, IUCN_VU-Vulnerable, USFS_S-Sensitive	Aquatic, Artificial flowing waters, Klamath/North coast flowing waters, Klamath/North coast standing waters, Marsh & swamp, Sacramento/San Joaquin flowing waters, Sacramento/San Joaquin standing waters, South coast flowing waters, South coast standing waters, Wetland

Eremalche parryi ssp. kernensis	Kern mallow	Dicots	PDMAL0C031	176	2	Endangered	None	G3G4T3	S3	1B.2	SB_RSABG-Rancho Santa Ana Botanic Garden	Chenopod scrub, Pinon & juniper woodlands, Valley & foothill grassland
Eschscholzia lemmonii ssp. kernensis	Tejon poppy	Dicots	PDPAP0A071	86	1	None	None	G5T2	S2	1B.1	SB_RSABG-Rancho Santa Ana Botanic Garden, SB_USDA-US Dept of Agriculture	Chenopod scrub, Valley & foothill grassland
Gambelia sila	blunt-nosed leopard lizard	Reptiles	ARACF07010	329	2	Endangered	Endangered	G1	S1	null	CDFW_FP-Fully Protected, IUCN_EN-Endangered	Chenopod scrub
Layia leucopappa	Comanche Point layia	Dicots	PDAST5N0A0	10	1	None	None	G1	S1	1B.1	BLM_S-Sensitive	Chenopod scrub, Valley & foothill grassland
Opuntia basilaris var. treleasei	Bakersfield cactus	Dicots	PDCAC0D055	61	5	Endangered	Endangered	G5T1	S1	1B.1	SB_RSABG-Rancho Santa Ana Botanic Garden	Chenopod scrub, Cismontane woodland, Valley & foothill grassland
Perognathus inornatus	San Joaquin Pocket Mouse	Mammals	AMAFD01060	126	3	None	None	G2G3	S2S3	null	BLM_S-Sensitive, IUCN_LC-Least Concern	Cismontane woodland, Mojavean desert scrub, Valley & foothill grassland
Sorex ornatus relictus	Buena Vista Lake ornate shrew	Mammals	AMABA01102	7	1	Endangered	None	G5T1	S1	null	CDFW_SSC-Species of Special Concern	Marsh & swamp, Riparian scrub
Valley Sink Scrub	Valley Sink Scrub	Scrub	CTT36210CA	29	1	None	None	G1	S1.1	null	null	Chenopod scrub
Vulpes macrotis mutica	San Joaquin kit fox	Mammals	AMAJA03041	1017	5	Endangered	Threatened	G4T2	S2	null	null	Chenopod scrub, Valley & foothill grassland

CNPS California Native Plant Society

Inventory of Rare and Endangered Plants

Plant List

13 matches found. *Click on scientific name for details*

Modify Search Criteria Export to Excel Modify Columns Modify Sort Display Photos

Scientific Name	Common Name	Family	Lifeform	Blooming Period	CA Rare Plant Rank	State Rank	Global Rank
Allium howellii var. howellii	Howell's onion	Alliaceae	perennial bulbiferous herb	Mar-Apr	4.3	S3	G3G4T3
Astragalus macrodon	Salinas milk-vetch	Fabaceae	perennial herb	Apr-Jul	4.3	S4	G4
Atriplex cordulata var. cordulata	heartscale	Chenopodiaceae	annual herb	Apr-Oct	1B.2	S2	G3T2
Atriplex coronata var. coronata	crownscale	Chenopodiaceae	annual herb	Mar-Oct	4.2	S3	G4T3
Atriplex tularensis	Bakersfield smallscale	Chenopodiaceae	annual herb	Jun-Oct	1A	SX	GX
Caulanthus lemmonii	Lemmon's jewelflower	Brassicaceae	annual herb	Feb-May	1B.2	S3	G3
Chloropyron molle ssp. hispidum	hispid bird's-beak	Orobanchaceae	annual herb (hemiparasitic)	Jun-Sep	1B.1	S1	G2T1
Deinandra paniculata	paniculate tarplant	Asteraceae	annual herb	(Mar)Apr-Nov(Dec)	4.2	S4	G4
Eremalche parryi ssp. kernensis	Kern mallow	Malvaceae	annual herb	Jan,Mar,Apr,May(Feb)	1B.2	S3	G3G4T3
Eriogonum gossypinum	cottony buckwheat	Polygonaceae	annual herb	Mar-Sep	4.2	S3S4	G3G4
Eschscholzia lemmonii ssp. kernensis	Tejon poppy	Papaveraceae	annual herb	(Feb)Mar-May	1B.1	S2	G5T2
Layia leucopappa	Comanche Point layia	Asteraceae	annual herb	(Feb)Mar-Apr	1B.1	S1	G1
Opuntia basilaris var. treleasei	Bakersfield cactus	Cactaceae	perennial stem succulent	Apr-May	1B.1	S1	G5T1

California Native Plant Society, Rare Plant Program. 2019. Inventory of Rare and Endangered Plants of California (online edition, v8-03 0.39). Website http://www.rareplants.cnps.org [accessed 14 May 2019].

Search the Inventory

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Information

About the Inventory
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Contributors

The Calflora Database
The California Lichen Society
California Natural Diversity Database
The Jepson Flora Project
The Consortium of California Herbaria
CalPhotos

Questions and Comments

rareplants@cnps.org

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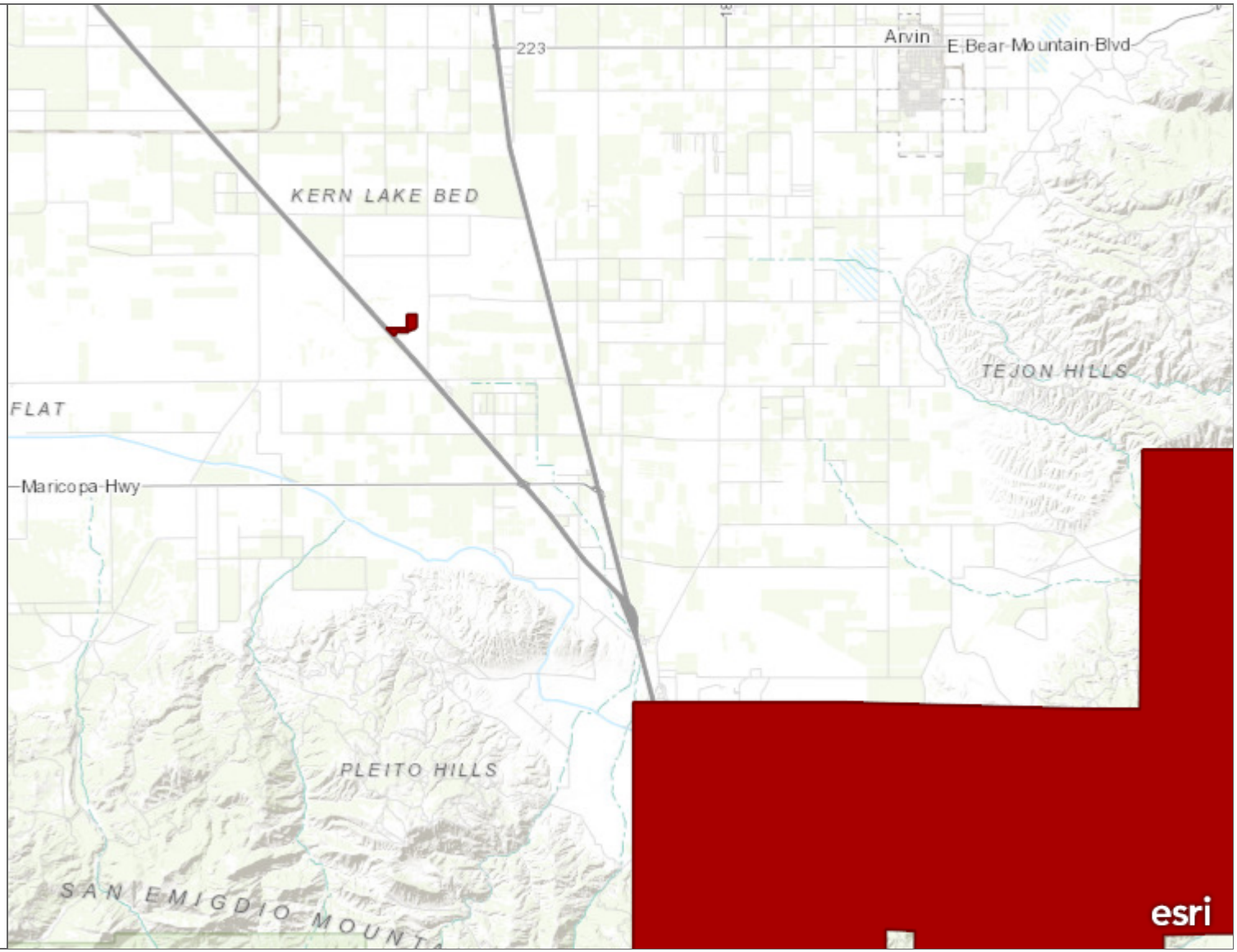
Critical Habitat for Threatened & Endangered Species [USFWS]

Final Linear Features

Final Polygon Features

Proposed Linear Features

Proposed Polygon Features

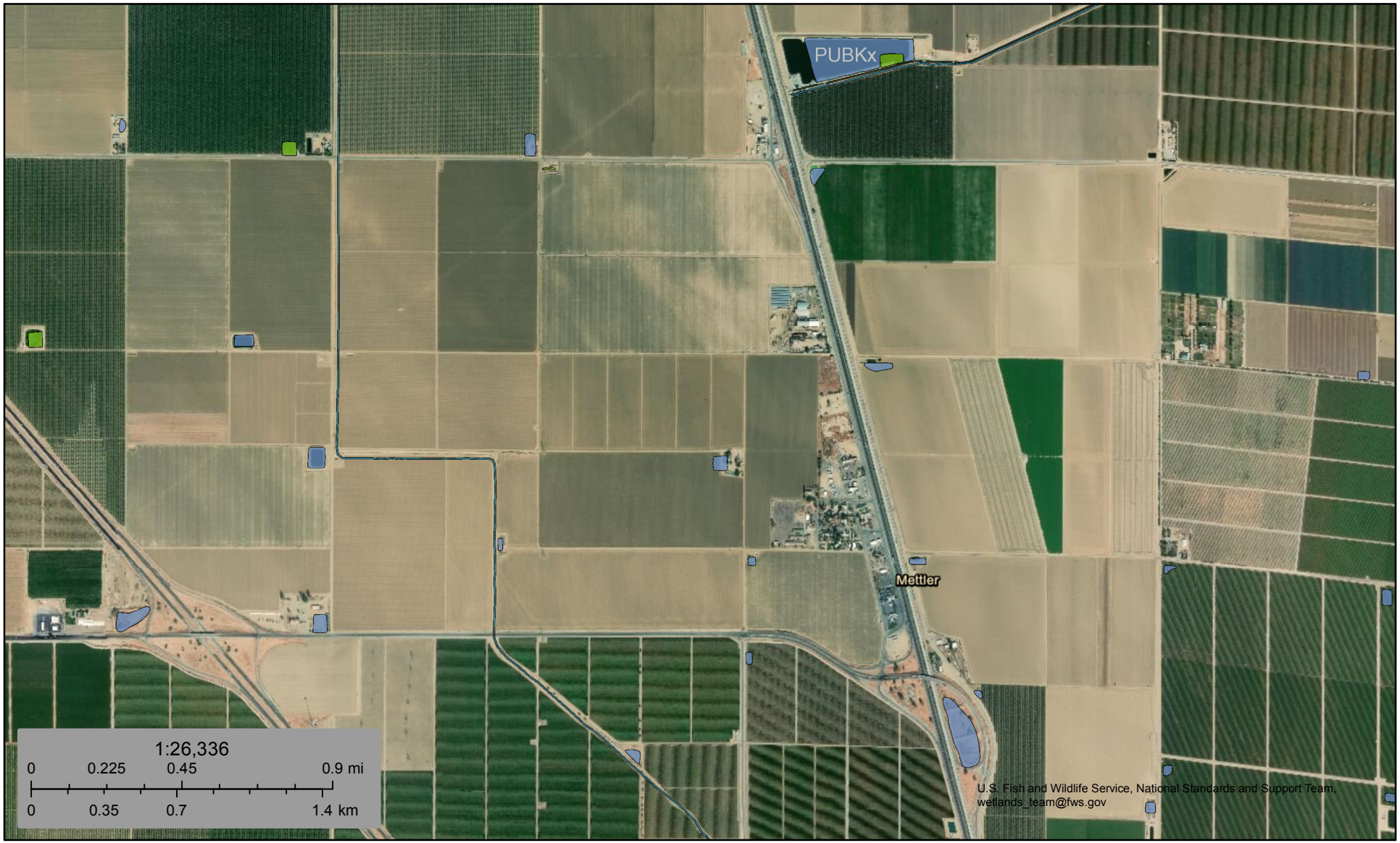


A specific geographic area(s) that contains features essential for the conservation of a threatened or endangered species and that may require special management and protection.

U.S. Fish and Wildlife Service | Bureau of Land Management, Esri, HERE, Garmin, USGS, NGA, EPA, USDA, NPS

U.S. Fish and Wildlife Service
National Wetlands Inventory

Mettler Site NWI



May 16, 2019

Wetlands

- Estuarine and Marine Deepwater
- Estuarine and Marine Wetland
- Freshwater Emergent Wetland
- Freshwater Forested/Shrub Wetland
- Freshwater Pond
- Lake
- Other
- Riverine

This map is for general reference only. The US Fish and Wildlife Service is not responsible for the accuracy or currentness of the base data shown on this map. All wetlands related data should be used in accordance with the layer metadata found on the Wetlands Mapper web site.

National Wetlands Inventory (NWI)
This page was produced by the NWI mapper

ATTACHMENT B

REGIONALLY-OCCURRING SPECIAL-STATUS SPECIES TABLE

ATTACHMENT B

REGIONALLY OCCURRING SPECIAL-STATUS SPECIES

SCIENTIFIC NAME **COMMON NAME**	**FEDERAL/STATE**	**DISTRIBUTION**	**HABITAT REQUIREMENTS**	**PERIOD OF IDENTIFICATION**	**POTENTIAL TO OCCUR**
PLANTS					
Chloropyron molle ssp. *hispidus* hispid bird's-beak	FE/CR	Known to occur in Alameda, Fresno, Kern, Merced, Place and Solano counties.	A hemiparasitic annual herb found in alkaline conditions within meadows, seeps, playas, valley and foothill grasslands. Elevations: 1-155 meters.	June-September	**No**, Suitable habitat for this species not present on site.
Eremalche parryi ssp. kernensis Kern Mallow	FE/--	Known to occur in several areas of Kern County, especially extreme western Kern County.	Typically found in valley saltbush scrub community, growing around spiny and common saltbushes and in patches with other herbaceous plants, rather than the intervening alkali scalds. Usually in areas of less than 25% shrub cover. Elevation: 315-900 ft.	March-May	**No**, Suitable habitat for this species not present on site.
Opuntia basilaris var. treleasei Bakersfield cactus	FE/CE	Historic range includes area around Bakersfield, the Kern River Canyon to the northeast, to the Claliente Creek drainage to the southeast, and to the Tejon Hills 20 miles to the south. Small number of CNDDB records of individuals north of Lancaster exist, most from the 1930's.	Found in shadescale scrub and valley grassland	April-May	**No**, Suitable habitat for this species not present on site.
ANIMALS					
Invertebrates					
Branchinecta lynchi Vernal pool fairy shrimp	FT/--	Vernal pool fairy shrimp are known from a total of 32 populations located in an area extending from Shasta County through most of the length of the Central Valley to Tulare County, and along the central coast range from northern Solano County to Pinnacles in San Benito County. Five additional, disjunctive populations exist near Soda Lake in San Luis Obispo County, in the mountain grasslands of northern Santa Barbara County, on the Santa Rosa Plateau in Riverside County, near Rancho California in Riverside County.	Vernal pools in the Central Valley, coast ranges, and a limited number of sites in the Transverse Ranges and Riverside County, California.	December-May	**No**, Suitable habitat for this species not present on site.
Fish					

SCIENTIFIC NAME COMMON NAME	FEDERAL/STATE	DISTRIBUTION	HABITAT REQUIREMENTS	PERIOD OF IDENTIFICATION	POTENTIAL TO OCCUR
Hypomesus transpacificus Delta smelt	FT/CE	Occurs almost exclusively in the Sacramento-San Joaquin estuary, from the Suisun Bay upstream through the Delta in Contra Costa, Sacramento, San Joaquin, Solano, and Yolo counties. May also occur in the San Francisco Bay.	Estuarine waters. Majority of life span is spent within the freshwater outskirts of the mixing zone (saltwater-freshwater interface) within the Delta.	Consult Agency	**No,** suitable habitat for this species is not present.
Amphibians					
Rana draytonii California red-legged frog	FT/CSC	Known to occur along the coast from Mendocino County to Baja CA, inland through the northern Sacramento Valley into the foothills of the Sierra Nevadas, south to eastern Tulare County, and possibly eastern Kern County. Range excludes the Central Valley.	Occurs in permanent and temporary pools or streams, marshes, and ponds with dense grassy and/or shrubby vegetation. Elevations 0-1160 meters.	November – March (breeding) June - August (non-breeding)	**No,** suitable habitat for this species is not present.
Reptiles					
Gambelia silus Blunt-nosed leopard lizard	FE/CE	Endemic to California. Inhabits the San Joaquin Valley and nearby valleys and foothills, from extreme northwest Santa Barbara County and western Kern County north to southern Merced County.	Semiarid grasslands, desert scrub habitats, alkali flats, washes arroyos, canyons and low foothills. Prefers flat areas with open space for running, avoiding densely vegetated areas. Elevation 30 to 730 m (100 to 2,400 ft). Do not appear to use slopes >30-40 degrees (CDFG, 2005).	All year	**Yes,** potential habitat for this species exists on site.
Thamnophis gigas Giant garter snake	FT/CT	Endemic to the San Joaquin and Sacramento Valley floors. Counties include Butte, Colusa, Contra Costa, Fresno, Glenn, Kern, Madera, Merced, Sacramento, San Joaquin, Solano, Sutter, Yolo, and Yuba.	Inhabits agricultural wetlands and other waterways such as irrigation and drainage canals, sloughs, ponds, small lakes, low gradient streams, and adjacent uplands. Requires adequate water during its active season (early spring through mid-fall) to provide food and cover, emergent, herbaceous wetland vegetation for foraging and cover, grassy banks and openings in waterside vegetation for basking, and higher elevation uplands for cover and refuge from flood waters during its dormant season (winter). Inhabits small mammal burrows and other soil crevices with sunny exposure along south and west facing slopes, above prevailing flood elevations when dormant.	March-October	**No**, Suitable habitat for this species not present on site.
Birds					
Empidonax traillii	FE/CE	Kern, Los Angeles, Orange,	Breeds in dense riparian habitats along	April-September	**No**, Suitable habitat for this

SCIENTIFIC NAME COMMON NAME	FEDERAL/STATE	DISTRIBUTION	HABITAT REQUIREMENTS	PERIOD OF IDENTIFICATION	POTENTIAL TO OCCUR
extimus Southwestern willow flycatcher		Riverside, San Bernardino, San Diego, and Santa Barbara counties. Breeding range occurs in California south of the Santa Ynez River.	rivers, streams, or other wetlands. The vegetation can be dominated by dense growths of willows or other shrubs and medium-sized trees. There may be an overstory of cottonwood, tamarisk, or other large trees. One of the most important characteristics of the habitat appears to be the presence of dense vegetation, usually throughout all vegetation layers present. Almost all Southwestern Willow Flycatcher breeding habitats are within close proximity (less than 60 feet) of water or very saturated soil. This water may be in the form of large rivers, smaller streams, springs, or marshes.		species not present on site.
Gymnogyps californianus California condor	FE/CE	California condors were absent from the wild until 1992 when the first eight captive reared birds were released in southern California. The reintroduction of birds continued in Arizona in 1996, central coastal California in 1997, northern Baja California, Mexico, in 2002, and Pinnacles National Monument, California, in 2003.	California condors are primarily a cavity nesting species and typically nest in cavities located on steep rock formations or in the burned out hollows of old-growth conifers (coast redwood (*Sequoia sempervirens*) and giant sequoia trees (*Sequoiadendron giganteum*)). Less typical nest sites include cliff ledges, cupped broken tops of old growth conifers, and in several instances, nests of other species. California condors predominately forage in open terrain of foothill grassland and oak savanna habitats, and at coastal sites in central California (birds released from Big Sur and Pinnacles National Park), but have also been observed feeding in more wooded areas, though this is less common.	Consult Agency	**No**, Suitable habitat for this species not present on site.
Mammals					
Dipodomys ingens giant kangaroo rat	FE/CE	Known from scattered colonies along the southwestern edge of central California's San Joaquin Valley and adjacent valleys and plateaus of the Inner Coastal ranges. within Fresno, Kern, Kings, Merced, Santa Barbara, San Benito, San Luis Obispo,	Mainly inhabit fine sandy loam soils supporting sparse annual grass/forb vegetation, and marginally found in low-density alkali desert scrub Prefer level terrain and sandy loam soils are needed for burrowing. Optimal cover consists of areas with almost no shrub overstory, and very few physiographic variations. Elevations range from 90 to 885 meters.	All year	**No**, not returned as a species of concern through USFWS.
Dipodomys nitratoides nitratoides	FE/CE	Known on the San Joaquin Valley floor, in isolated portions of Kings,	Alkali grassland and chenopod scrub. Inhabits open areas in flat terrain not subject	All year	**Yes**, Suitable habitat for this species present on site.

SCIENTIFIC NAME COMMON NAME	FEDERAL/STATE	DISTRIBUTION	HABITAT REQUIREMENTS	PERIOD OF IDENTIFICATION	POTENTIAL TO OCCUR
Tipton kangaroo rat		Tulare, and Kern county.	to flooding		
Sorex ornatus relictus Buena Vista Lake ornate shrew	FE/CSC	Known only from Kern County, southern San Juaquin Valley. Little is known about their historical distribution.	Associated with mesophytic communities with a dense cover and an abundant layer of litter. Plants associated with the more recent habitat description include Fremont cottonwood, willows, alkali heath, wild rye grass, and Baltic rush.	All Year	**No**, not returned as a species of concern through USFWS.
Vulpes macrotis mutica San Joaquin kit fox	FE/CT	Known to occur from southern Kern County north to San Joaquin County and into the Coastal Range.	Alkali sink, valley grassland, foothill woodland. Hunts in areas with low sparse vegetation that allows good visibility and mobility.	All Year	**Yes,** potential habitat for this species exists on site. No potential dens viewed on site.

SOURCES: CDFW, 2019a; USFWS, 2019a; USFWS, 2019c

STATUS CODES:

FEDERAL: United States Fish and Wildlife Service
FE Federally Endangered
FT Federally Threatened
FC Candidate for Federal Listing

STATE: California Department of Fish and Game
CT California Listed Threatened
CSC California Species of Special Concern
CE California Listed Endangered

ATTACHMENT C

SURVEY PROTOCOL

May 2004

Dear Blunt-nosed Leopard Lizard Surveyor,

Attached is the revised survey methodology for the blunt-nosed leopard lizard (*Gambelia sila*). The protocol was developed by the San Joaquin Valley Southern Sierra Region (SJVSSR) of the California Department of Fish and Game (DFG) with input from the United States Fish and Wildlife Service, the Bureau of Land Management and various species experts. This protocol supercedes previous versions of DFG survey protocols for the blunt-nosed leopard lizard. The range-wide decline of population numbers in the past decade has provided the impetus for development of a more rigorous methodology to detect species presence. Additionally, since DFG is not able to issue any form of "take" permit for the blunt-nosed leopard lizard due to its status as a fully-protected animal under the California Fish and Game Code **§5050**, detection of species presence on a project site is crucial.

This standard methodology has been developed to provide consultants, local, state and federal agencies with minimum acceptable standards for surveys conducted to determine the status of this State and federally endangered species. The survey methods described within this protocol were designed to optimize the likelihood of detecting the presence of blunt-nosed leopard lizards should they occur on a project site.

When the presence of blunt-nosed leopard lizards is detected, we request that you notify the Department's local Permitting and Project Review staff for further instructions of what additional information will be needed to assess the project's potential impact on the species. This will assist in expediting the review of the project and help control the project sponsor's biological survey costs. Additionally, the USFWS should be contacted for further advice since this is also a federally-listed species. Use of this protocol and notification of the Department does not exempt you from consultation with the USFWS.

The Department is willing to cooperate with surveyors who have circumstances or needs not addressed by this protocol and who may wish to propose alternative methods to comply with State law prohibiting take of BNLL. If you have any questions or comments regarding this methodology or if you want to propose the use of a different methodology, please the SJVSSR Habitat Conservation Planning staff at (559) 243-4014 (Fresno, Merced, Madera, Kings, Tulare, and Kern Counties) or (805) 528-8670 (San Benito and San Luis Obispo Counties).

CALIFORNIA DEPARTMENT OF FISH AND GAME

APPROVED SURVEY METHODOLOGY FOR THE
BLUNT-NOSED LEOPARD LIZARD
MAY 2004

Blunt-nosed leopard lizard, *Gambelia sila* = (*Gambelia silus*)
STATUS: SE, FE, DFG fully protected

This protocol has been developed to provide a minimum level of protection for blunt-nosed leopard lizards (BNLL) when projects or maintenance activities are scheduled to occur within potential BNLL habitat. Disturbing activities should not proceed until appropriate surveys are conducted to determine if the species is present on the site. Surveys conducted according to the following protocol by qualified researchers provide a reasonable, although not conclusive, indication of BNLL presence at a particular site and yield critical information needed to prevent mortality and minimize impacts to the species. Researchers conducting the surveys are expected to understand the basic biological requirements of the species and have the ability to recognize potential BNLL habitat. This protocol satisfies the Department of Fish and Game requirements when it is determined that formal BNLL surveys are needed. [Note: This protocol is appropriate for pre-project BNLL surveys, however, population monitoring over time on a site is best conducted using a permanent survey grid, such as described in Tollestrup (1976).]

METHODS:
A minimum of two researchers, walking in parallel on adjacent transects, should conduct a BNLL survey. Optimum BNLL activity periods occur when air temperature is between 25C-35C (77F-95F) (Tollestrup 1976; USFWS 1985, 1998). Surveys must be conducted when the air temperature falls within the optimal range. Surveys may begin after sunrise as soon as the minimum air temperature criterion is met, and must end by 1400 hours or when the maximum temperature is reached, whichever occurs first (Tollestrup 1976). Time of day and air temperature should be recorded at the start and end of each survey. Air temperature should be periodically checked to ensure that the maximum has not been exceeded. Air temperature should be measured at 1-2 cm above the ground over a surface most representative of the area being surveyed. The researcher must shade the thermometer from direct sunlight while taking the reading. Other factors that affect BNLL activity such as soil temperature (measured at 1cm below soil surface with a shaded thermometer) and weather conditions must be recorded at the start and end of each survey. Surveys should not be conducted on overcast days (cloud cover > 90%) or when sustained wind velocity exceeds 10 mph (force > 3 on Beaufort wind scale) (Montanucci 1965; Tollestrup 1976; J. Vance, pers. comm.).

Surveys must be conducted on foot, and researchers must survey all areas with potential BNLL habitat. BNLL are often difficult to detect, particularly in areas where shrubs are fairly numerous (>30% cover) and/or the herbaceous vegetation is tall (>30 cm). In such conditions, 10 meter wide transects should be walked at a slow pace. In areas with few shrubs and shorter herbaceous vegetation (<15 cm), transects as wide as 30 meters are acceptable. When feasible, transects should be walked in a north-south orientation to minimize glare from the sun. The surveyor should stop periodically and scan the transect for BNLL using close-focusing binoculars (minimum 7X35 magnification). In addition to recording the location of all BNLL observed (must provide UTM coordinates), the presence of habitat features important for BNLL (washes, playas, relative abundance of small mammal burrows) should also be recorded for each transect. Streambeds, washes, roads, etc., should be walked in addition to transect lines since BNLL are often seen in these areas.

TIMING AND LENGTH OF SURVEY:
Survey intensity should be commensurate with the anticipated level of disturbance to the BNLL habitat. The primary concern for BNLL when disturbance occurs during maintenance activities is direct mortality from equipment or personnel. Removal of intact BNLL habitat has a much greater potential for "take" due to direct impact on animals aboveground as well as any hibernating animals or eggs underground. A longer survey effort including both spring adult surveys and fall hatchling surveys is therefore required for activities that cause impacts to undisturbed BNLL habitat. The more intensive survey effort increases the chances of observing the species, even if the population is small. Once a BNLL has been observed, surveys may cease and consultation with the Department must begin regarding avoidance measures. If BNLL are observed incidentally while conducting surveys for other species, specific surveys for BNLL are not required. Surveys will be accepted for one year from the date of completion.

Disturbances for Maintenance Activities
Examples of maintenance activities include grading existing roads, grass mowing on roadsides, and maintaining existing structures. BNLL are active and above ground from April through September, but optimum activity periods for adults occur between April 15 and July 15 (Montanucci 1965; Tollestrup 1979; USFWS 1985, 1998). BNLL surveys should be conducted for a total of 8 days over the course of the 90-day time span. A minimum of 3 survey days should be conducted consecutively, with a maximum of 6 days completed within any 30-day time period. Fall hatchling surveys are not required for activities in this category.

Disturbances Leading to Habitat Removal
Examples of disturbances that impact intact habitat include establishment of new roads or structures, housing subdivisions, and changes in historic land use. BNLL surveys should be conducted for 12 days over the course of the 90-day

adult optimal survey period (April 15 to July 15), with a maximum of 4 survey days per week and 8 days within any 30-day time period. At least one survey session should be conducted for 4 consecutive days, weather permitting. BNLL hatchlings and subadults are most commonly observed from August 1 to September 15, along with a few adults that are still active above ground (Montanucci 1965; Tollestrup 1979; USFWS 1985, 1998). In addition to the 12 days of adult BNLL surveys required for activities in this category, 5 more survey days are required during the hatchling optimal survey period for a total of 17 survey days overall.

QUALIFICATIONS OF RESEARCHERS:
An acceptable BNLL survey crew should consist of no more than 3 Level I researchers for every Level II researcher. This restriction should reduce the number of incorrect/missed identifications. The names and affiliations of all researchers must be recorded for each survey day.

Level I: Researcher has demonstrated the ability to distinguish BNLL from other common lizard species that may inhabit the area;

Level II: Researcher has demonstrated the ability to distinguish BNLL from other common lizard species that may inhabit the area and has participated in at least 50 survey days for BNLL (or 25 survey days and a BNLL identification course recognized by/acceptable to the Department of Fish and Game). Researcher has made at least one confirmed* field sighting of a BNLL.

REPORTING
All BNLL observations should be reported to the California Natural Diversity Database within 30 days. A sample form is attached. Additional forms can be obtained at http://www.dfg.ca.gov/whdab/html/animals.html .

SPECIAL REQUIREMENT FOR SURVEYS IN DFG CENTRAL COAST REGION (San Luis Obispo County)
Lands with potential BNLL habitat in the Department's Central Coast Region (CCR) have different conditions compared to the San Joaquin Valley Southern Sierra Region (SJVSSR). The sites with habitat in the CCR tend to be at higher elevations, where nighttime temperatures can remain low even though daytime temperatures meet minimum survey criteria. In such conditions, BNLL activity is likely to be low and surveys conducted at this time could result in non-detection of the species even though they are present. As such, an additional requirement of a visit to a known voucher site to check for BNLL activity applies to surveys conducted in this region. Once the species has been observed at the voucher site, formal surveys can begin. The Elkhorn Plain ER has been selected as the voucher site for the CCR.

LITERATURE CITED

Montanucci, R.R., 1965. Observations of the San Joaquin leopard lizard, *Crotaphytus wislizenii silus* Stejneger. Herpetologica 21(4): 270-283.

Tollestrup, K. 1976. A standardized method of obtaining an index of densities of blunt-nosed leopard lizards, *Crotaphytus silus.* Unpub. Rpt. U. S. Fish and Wildlife Service, Sacramento, CA. 11pp + Appendices.

Tollestrup, K. 1979. The ecology, social structure, and foraging behavior of two closely-related leopard lizards, *Gambelia silus* and *Gambelia wislizenii*. PhD Dissertation, University of California Berkeley.

United States Fish and Wildlife Service. 1985. Revised blunt-nosed leopard lizard recovery plan. United States Fish and Wildlife Service. Region 1, Portland, OR. 85 pp.

United States Fish and Wildlife Service. 1998. Recovery plan for upland species of the San Joaquin Valley, California. United States Fish and Wildlife Service. Region 1, Portland, OR. 319 pp.

PERSONAL COMMUNICATIONS

Julie Vance, California Department of Water Resources, San Joaquin District, 3374 E. Shields Ave, Fresno, California, 93726.

*A minimum of one confirmed field sighting must be documented for each Level II researcher and be available to the Department upon request. As with all BNLL sightings, it should also be submitted to the California Natural Diversity Database. Information to be included in documentation of BNLL sighting: Name of researcher, date of survey, location of survey, names of accompanying researchers who can confirm the sighting, and details of sighting (distance, BNLL activity, etc).

CONTACT INFORMATION

California Department of Fish and Game

San Joaquin Valley Southern Sierra Region
Habitat Conservation Planning
1234 Shaw Ave
Fresno, CA 93710
559/243-4005

Central Coast Region
Habitat Conservation Planning
P.O. Box 47
Yountville, CA 94599
805/528-8670

The Department is willing to cooperate with researchers who have circumstances or needs not addressed by this protocol and who may wish to propose alternative methods to comply with State law prohibiting take of BNLL.

Survey Protocol for Determining Presence of San Joaquin Kangaroo Rats
U.S. Fish and Wildlife Service
Sacramento Field Office
March 2013

The following protocol is designed for determining the presence of San Joaquin kangaroo rats, to include the following:

Common Name	Scientific Name	Federal Listing	State Listing
Fresno kangaroo rat	(*Dipodomys nitratoides exilis*)	Endangered	Endangered
Tipton kangaroo rat	(*Dipodomys nitratoides nitratoides*)	Endangered	Endangered
Short-nosed kangaroo rat	(*Dipodomys nitratoides brevinasus*)	Not Listed	Special Concern

These three species will be known hereafter as the "kangaroo rat(s)". This survey protocol was approved by the U.S. Fish and Wildlife Service (Service) on March4, 2013. This protocol will be conducted only by those individuals holding valid section 10(a)1(A) recovery permits from the Service and valid scientific collecting permits from the California Department of Fish and Wildlife (CDFW), as appropriate. This protocol is to be used in concert with the terms and conditions of those permits. This protocol is not intended to provide a basis for concluding that the species is absent from a site. Other activities involving the listed kangaroo rats that may require a permit, such as scientific research involving methods other than standard trapping and measuring animals are not part of this protocol and should be addressed in separate applications for Federal and State permits.

This information is provided as a starting point for biologists writing proposals for surveys and limited research work for the listed kangaroo rats in the jurisdiction of the Sacramento Fish and Wildlife Office (SFWO). Please note that each site-specific work plan will be independently evaluated according to the balance of the risks and benefits as to whether they can reasonably be expected to promote the recovery of the species in question, including proposed work plans submitted as part of a recovery permit application. As such, proposals for work need to provide a specific context of research objectives, defined with adequate specificity to enable a determination by the SFWO of whether the work would: jeopardize the species; minimize the impacts of the work on the individuals, populations, and the species; and would be reasonably expected to promote the recovery of the species.

One implication of this protocol is that deviations from any particular aspect of the methodologies described should be accompanied by an explanation of why the variance would reasonably be expected to increase the benefits of the work, or reduce the risks, and by how much. Such explanations should include information from any literature or unpublished information that provides field-tested conclusions in support of your argument, whenever such material is available. This can include information from work with similar species— the greater the similarity to the species, locations, and work proposed, the better the support it would provide that the improved results of the methodology would be expected to apply to the proposed work.

The more unique your proposed work plan is, the more lead time you should allow for evaluation by the Service and CDFW. Researchers may reduce evaluation delays by coordinating with the agency offices involved to be sure that everyone who needs to participate in the review and approval of your work plan has received copies of the plan.

Background information on the distribution, abundance, life history, ecology, threats and ongoing research of the Fresno and Tipton kangaroo rats is updated in Service produced status reviews completed every five years and published online at:
Tipton Kangaroo Rat (http://ecos.fws.gov/docs/five_year_review/doc3228.pdf)
Fresno Kangaroo Rat (http://ecos.fws.gov/docs/five_year_review/doc3214.pdf).

Survey Methods

1. Live-trapping is the only method for reliable identification of kangaroo rats in the San Joaquin Valley. It may be possible to determine the presence of kangaroo rats (*Dipodomys* spp) based on a variety of factors. Preliminary assessments to determine the probability that kangaroo rats may be present at a particular site should be based on a number of factors including species range, presence of habitat, and the presence of tail drags and tracks. Skeletal remains found in owl pellets may reveal the presence of kangaroo rats in the general area. The 1ocations of suitable habitat, potential burrows, and other signs of kangaroo rat activity should be reported to the Service and the CDFW as part of the survey authorization request.

2. A team of a minimum of two biologists is recommended to survey for the kangaroo rats at the specified locations. For greater trapping efforts involving large survey areas and using an increased number of traps, additional teams of biologists may be needed to safely and reliably conduct the surveys within the time constraints listed in the terms and conditions below. The Service will approve all trapping plans in advance, including the number of trapping teams to be used.

3. Only Sherman live traps with sufficient length [Sherman Extra-Large Kangaroo Rat live traps (*7.6 x 9.5 x 30.5 cm; H.B. Sherman Traps Inc. Tallahassee, FL*)] or modification to eliminate or substantially reduce the risk of tail injury shall be used. The use of other types of traps or other trap designs should be approved by the Service prior to their use. For detecting the presence of kangaroo rats at a particular site, live-traps should be placed close to burrow entrances, along runways, and near rodent sign to increase the potential for trapping success. For larger survey areas traps can be laid out in regular grid patterns. Trap arrays may also be set up in unique configurations to answer specific research questions. The planned density of traps and the geographic layout of trap arrays should be presented in the survey authorization requests to the Service and CDFW. Traps should be placed 5 meters or greater away from of any active ant mounds.

4. The Service recommends flagging the ends of each trap line or flagging individual trap clusters within trap lines. Uneven terrain and dense vegetation at the trapping site may increase the difficulty in finding traps. Flagging traps or trap lines is at the discretion of the biologist conducting the trapping. Marking trap locations using GPS is also recommended.

5. Traps should be baited with white proso millet, bird seed mixture, rolled oats, oatmeal, or other appropriate bait and provided with material for nesting and/or shredding. Wadded paper towels should be used for shredding material.

6. Kangaroo rats are active year around, but optimum activity periods occur from April 1 to October 31. It is recommended that trapping be completed within this activity period. Trapping outside of this time period will require additional trapping effort (increase in trap density and survey period).

7. Sherman traps will be set approximately 1 hour before sunset and will be checked no later than 1 hour after sunrise the following morning. Traps may be checked more frequently depending on the survey goals.

8. During the threat of inclement weather, such as the National Weather Service prediction of a 40 percent or greater chance of rain, all traps will be closed. Should the air temperature exceed 105 ˚F (41 ˚C), all traps will be closed. If the air temperature is predicted to drop below 50 ˚F (10 ˚C) then the following measures will be taken to reduce the effects of the colder weather on captured kangaroo rats:
   a. Once set, traps will be checked at a minimum interval of every 3 hours,
   b. Synthetic batting or other appropriate insulating material will be placed in the open trap,
   c. Additional food will be placed in the open trap, and
   d. Trapping will cease if captured animals are found to be lethargic or otherwise are showing signs of a decrease of body temperature.

9. Traps should be set and monitored for a minimum of five consecutive nights. If the survey is for determining presence only, then the trapping will end upon the first capture of the target species. The duration of trapping may be altered if authorized in advance by the SFWO.

10. All animals trapped will be identified to species, measured, weighed, and age class and sex will be recorded. If the survey includes a mark-recapture study the preferred method of marking individual kangaroo rats is to make a unique mark with a non-toxic, felt-tipped marker. Passive Integrated Transponder (PIT) tags provide a more permanent mark; however, use of these tags must be authorized by the Service in advance unless they are specified for use in a 10(a)1(A) permit.

11. All kangaroo rats will be immediately released at the location they were trapped following data collection. No animals will be removed from the wild without prior authorization form the Service and CDFW.

12. Any kangaroo rat incidentally killed during surveys or research will be placed in a freezer as soon as practical. Kangaroo rat carcasses shall ultimately be placed in the collection of a professionally maintained scientific facility or museum with the appropriate permits. A list of preferred facilities is included as a term and condition in the section 10(a)1(A) permit. The permittee will check with the accepting facility for instructions on preparation of the carcass for shipment or transport. SFWO will be notified by telephone within 1 working day of a kangaroo rat mortality, and in writing within 2 weeks of the incident. A final report summarizing trapping efforts and all data collected will be submitted to the SFWO within 30 days of completion of surveys to the Chief of the Endangered Species Division.

Agency Points of Contact:

U.S. Fish and Wildlife Service
Justin Sloan, Josh Hull, Thomas Leeman, or David Kelly
2800 Cottage Way, W-2605
Sacramento, California 95825 -1888
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Species Experts

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Peer Reviewers

Larry Saslaw, Krista Tomlinson, and Erin Tenent

Survey Protocol for Determining Presence of the Buena Vista Lake Ornate Shrew

The following protocol for determining the presence of the Buena Vista Lake ornate shrew (*Sorex ornatus relictus*), known hereafter as the shrew, was approved by the U.S. Fish and Wildlife Service (Service) on December 10, 2012. This protocol will be conducted only by those individuals holding valid take permits issued by the Service and the California Department of Fish and Wildlife. This protocol is to be used in concert with the terms and conditions of those permits.

1. At each location to be surveyed, traps will be set for a minimum of 5 nights unless shrews are captured prior to the fifth night. For presence-only surveys, all traps will be removed immediately following the capture of an individual shrew.

2. A team of a minimum of two biologists will survey for the shrew at the specified locations. For larger trapping efforts additional teams of two biologists may be needed to safely and reliably conduct the surveys within the time constraints listed in the terms and conditions below. The Service will approve all trapping plans in advance, including the number of trapping teams to be used.

3. Traps will be spaced 5 m (16 ft) apart per linear transect unless terrain or circumstances dictate another arrangement. Alternate transect designs, which should be reviewed by the Service in advance of the survey if possible, will be documented and reported in the final report.

4. Two types of traps may be used during surveys:

    - Small, folding Sherman live traps (Model SFA, 16x6.5x5 cm), or a similar manufacturer's design approved by the Service, or
    - Plastic pitfalls, up to1.9 liter (½-gallon), maximum, in capacity.

    The preferred trapping method is the use of the Sherman live traps. Plastic pitfall traps may be used on a case-by-case basis depending on the nature of the trapping. However, written authorization from the Service to use pitfall traps is required before setting up and using a pitfall trap array.

5. Trapping surveys will be conducted between Feb 1st and May 31st.

6. Sherman traps will be set approximately 1 hour before sunset and will be checked early the following morning with the completion of checks occurring no later than 1 hour after sunrise. Pitfall traps will be checked on a routine basis to prevent drowning, predation, or injury to the trapped shrews or other non-target species. The schedule for checking pitfall traps will be reviewed by and authorized in advance by the Service.

7. Traps will be baited with 10-15 mealworms and/or waxworms. Cotton/polyester batting (short fiber foam type preferred) will be placed inside of the traps for bedding and insulation for captured shrews. Traps will be rebaited during trap checks, as necessary, to keep the amount of bait in the trap equal to at least 10-15 worms. Care will be taken to

insure an appropriate amount of batting and food for the interval between trap setting and checking is provided to prevent low ambient temperatures [50˚F (10˚C) to 70 ˚F (21 ˚C] from adversely affecting the captured shrews.

8. During the threat of inclement weather, such as the National Weather Service prediction of a 20 percent or greater chance of rain, all pitfall traps will be closed and all Sherman-type traps will be covered with a protective covering (waxed paper milk cartons are preferred) to keep the trap, bedding, and any occupants dry. In addition to providing protection from rain or heavy dew, milk cartons also provide a degree of insulation. Milk cartons should also be used to provide shade if occupied traps are expected to be exposed to direct sunlight and shading vegetation is not present; however all traps should be checked before air temperatures (taken in the shade) exceed 80 ˚F (27˚C) to 85 ˚F (29˚C). Should the air temperature drop below 50˚F (10˚C) or exceed 105 ˚F (41 ˚C), all traps will be closed. Traps should be placed 20 feet or greater away from of any active ant mounds. If it is evident that ants are actively foraging in an area than traps will not be set in or around that area.

9. Animals removed from traps will be handled only in small cloth or mesh bags. Plastic bags are not acceptable due to the threat of asphyxiation. Data collected for each shrew captured will include, but is not limited to size and weight. If the survey includes a mark-recapture study then the fur on the rump of the shrew will be marked with a non-toxic, felt-tipped marker to identify any recaptured animals.

10. To identify shrews to subspecies, genetic samples of tissue (tip of tail), blood, and/or fecal material will be collected from each shrew captured. Tissue samples will not exceed 3mm in length. Tissue samples will be stored in 95% ethanol (reagent grade). Blood will be collected from the tip of the amputated tail using hematocrit tubes that will be placed in small vials. Antibiotic ointment will be placed on the tip of the remaining tail. Blood vials will be labeled and placed in an ice chest with ice and should be transported to a freezer or placed on dry ice as soon as practical. All biological samples will be retained at a facility approved by the Sacramento Fish & Wildlife Office (SFWO). Samples will be sent to the Smithsonian Institution, or a similar facility, for genetic analyses. When directed by the accepting facility payment will accompany the shipment of samples. Any alternative disposition of samples must be arranged with SFWO prior to trapping.

11. All shrews captured will be processed at the site of capture. Captured shrews will be released at the site of capture as soon as possible after being processed and data recorded. During handling, if a shrew exhibits signs of physiological stress (*e.g.*, excessive respiratory rate or effort) it will be released immediately. If it is evident that the release at the site of capture would cause the shrew to be injured or killed, then the shrew will be moved as close to the point of capture as possible where the animal may be safely released.

12. The permit coordinator at the SFWO will be notified within 3 days in writing, of a capture or identification of a shrew. During surveys, the following data will be recorded and included in a written report:

- date and time (setting traps; beginning and end of trap checks) of survey;
- effort (number of traps, trap-hours, and trap-nights; etc.);
- type of trap and bait;
- weather conditions at start and end of survey;
- moon phase;
- site description including GPS/GIS information and photographs of habitats and microhabitats; classification of habitat and microhabitat types (including approximate acreages of each); size and location of areas sampled; soil classifications; topography and elevation; proximity to water; and surrounding land-use activities;
- appropriate scale maps showing all locations of captured shrews with associated GPS information;
- data on weight and size and other pertinent morphological data, of the shrew;
- if evident, without harming the animal, the sex and reproductive status of the animal will be recorded (*e.g.* mammary development or testes enlargement);
- type(s) of samples collected for genetic analyses; and
- names and qualifications of surveyors.

13. Any shrew incidentally killed during surveys or research will be placed in a freezer as soon as practical. Shrew carcasses shall ultimately be placed in the collection of a professionally maintained scientific facility or museum with the appropriate permits. A list of preferred facilities is included as a term and condition in the section 10(a)1(A) permit. The permittee will check with the accepting facility for instructions on preparation of the carcass for shipment or transport. SFWO will be notified by telephone within 1 working day of a shrew mortality, and in writing within 2 weeks of the incident. A final report summarizing trapping efforts and all data collected will be submitted to the SFWO within 30 days of completion of surveys to the Chief of the Endangered Species Division.

Peer reviewed by: Dr. K.E. Freas, Dr. J. E. Maldonado, C.D. Johnson, B. Cypher, E. Tenant, and T. Leeman.

U.S. FISH AND WILDLIFE SERVICE STANDARDIZED RECOMMENDATIONS FOR PROTECTION OF THE ENDANGERED SAN JOAQUIN KIT FOX PRIOR TO OR DURING GROUND DISTURBANCE

Prepared by the Sacramento Fish and Wildlife Office
January 2011

INTRODUCTION

The following document includes many of the San Joaquin kit fox (*Vulpes macrotis mutica*) protection measures typically recommended by the U. S. Fish and Wildlife Service (Service), prior to and during ground disturbance activities. **However, incorporating relevant sections of these guidelines into the proposed project is not the only action required under the Endangered Species Act of 1973, as amended (Act) and does not preclude the need for section 7 consultation or a section 10 incidental take permit for the proposed project.** Project applicants should contact the Service in Sacramento to determine the full range of requirements that apply to your project; the address and telephone number are given at the end of this document. Implementation of the measures presented in this document may be necessary to avoid violating the provisions of the Act, including the prohibition against "take" (defined as killing, harming, or harassing a listed species, including actions that damage or destroy its habitat). These protection measures may also be required under the terms of a biological opinion pursuant to section 7 of the Act resulting in incidental take authorization (authorization), or an incidental take permit (permit) pursuant to section 10 of the Act. The specific measures implemented to protect kit fox for any given project shall be determined by the Service based upon the applicant's consultation with the Service.

The purpose of this document is to make information on kit fox protection strategies readily available and to help standardize the methods and definitions currently employed to achieve kit fox protection. The measures outlined in this document are subject to modification or revision at the discretion of the Service.

IS A PERMIT NECESSARY?

Certain acts need a permit from the Service which includes destruction of any known (occupied or unoccupied) or natal/pupping kit fox dens. Determination of the presence or absence of kit foxes and /or their dens should be made during the environmental review process. All surveys and monitoring described in this document must be conducted by a qualified biologist and these activities do not require a permit. A qualified biologist (biologist) means any person who has completed at least four years of university training in wildlife biology or a related science and/or has demonstrated field experience in the identification and life history of the San Joaquin kit fox. In addition, the biologist(s) must be able to identify coyote, red fox,

gray fox, and kit fox tracks, and to have seen a kit fox in the wild, at a zoo, or as a museum mount. Resumes of biologists should be submitted to the Service for review and approval prior to an6y survey or monitoring work occurring.

SMALL PROJECTS

Small projects are considered to be those projects with small foot prints, of approximately one acre or less, such as an individual in-fill oil well, communication tower, or bridge repairs. These projects must stand alone and not be part of, or in any way connected to larger projects (i.e., bridge repair or improvement to serve a future urban development). The Service recommends that on these small projects, the biologist survey the proposed project boundary and a 200-foot area outside of the project footprint to identify habitat features and utilize this information as guidance to situate the project to minimize or avoid impacts. If habitat features cannot be completely avoided, then surveys should be conducted and the Service should be contacted for technical assistance to determine the extent of possible take.

Preconstruction/preactivity surveys shall be conducted no less than 14 days and no more than 30 days prior to the beginning of ground disturbance and/or construction activities or any project activity likely to impact the San Joaquin kit fox. Kit foxes change dens four or five times during the summer months, and change natal dens one or two times per month (Morrell 1972). Surveys should identify kit fox habitat features on the project site and evaluate use by kit fox and, if possible, assess the potential impacts to the kit fox by the proposed activity. The status of all dens should be determined and mapped (see Survey Protocol). Written results of preconstruction/preactivity surveys must be received by the Service within five days after survey completion and prior to the start of ground disturbance and/or construction activities.

If a natal/pupping den is discovered within the project area or within 200-feet of the project boundary, the Service shall be immediately notified and under no circumstances should the den be disturbed or destroyed without prior authorization. If the preconstruction/preactivity survey reveals an active natal pupping or new information, the project applicant should contact the Service immediately to obtain the necessary take authorization/permit.

If the take authorization/permit has already been issued, then the biologist may proceed with den destruction within the project boundary, except natal/pupping den which may not be destroyed while occupied. A take authorization/permit is required to destroy these dens even after they are vacated. Protective exclusion zones can be placed around all known and potential dens which occur outside the project footprint (conversely, the project boundary can be demarcated, see den destruction section).

OTHER PROJECTS

It is likely that all other projects occurring within kit fox habitat will require a take authorization/permit from the Service. This determination would be made by the Service during the early evaluation process (see Survey Protocol). These other projects would include, but are not limited to: Linear projects; projects with large footprints such as urban development; and projects which in themselves may be small but have far reaching impacts (i.e., water storage or conveyance facilities that promote urban growth or agriculture, etc.).

The take authorization/permit issued by the Service may incorporate some or all of the protection measures presented in this document. The take authorization/permit may include measures specific to the needs of the project and those requirements supersede any requirements found in this document.

EXCLUSION ZONES

In order to avoid impacts, construction activities must avoid their dens. The configuration of exclusion zones around the kit fox dens should have a radius measured outward from the entrance or cluster of entrances due to the length of dens underground. The following distances are **minimums**, and if they cannot be followed the Service must be contacted. Adult and pup kit foxes are known to sometimes rest and play near the den entrance in the afternoon, but most above-ground activities begin near sunset and continue sporadically throughout the night. Den definitions are attached as Exhibit A.

Potential den**	50 feet
Atypical den**	50 feet
Known den*	100 feet
Natal/pupping den (occupied and unoccupied)	Service must be contacted

*Known den: To ensure protection, the exclusion zone should be demarcated by fencing that encircles each den at the appropriate distance and does not prevent access to the den by kit foxes. Acceptable fencing includes untreated wood particle-board, silt fencing, orange construction fencing or other fencing as approved by the Service as long as it has openings for kit fox ingress/egress and keeps humans and equipment out. Exclusion zone fencing should be maintained until all construction related or operational disturbances have been terminated. At that time, all fencing shall be removed to avoid attracting subsequent attention to the dens.

**Potential and Atypical dens: Placement of 4-5 flagged stakes 50 feet from the den entrance(s) will suffice to identify the den location; fencing will not be required, but the exclusion zone must be observed.

Only essential vehicle operation on existing roads and foot traffic should be permitted. Otherwise, all construction, vehicle operation, material storage, or any other type of surface-disturbing activity should be prohibited or greatly restricted within the exclusion zones.

DESTRUCTION OF DENS

Limited destruction of kit fox dens may be allowed, if avoidance is not a reasonable alternative, provided the following procedures are observed. The value to kit foxes of potential, known, and natal/pupping dens differ and therefore, each den type needs a different level of protection. **Destruction of any known or natal/pupping kit fox den requires take authorization/permit from the Service**.

Destruction of the den should be accomplished by careful excavation until it is certain that no kit foxes are inside. The den should be fully excavated, filled with dirt and compacted to ensure that kit foxes cannot reenter or use the den during the construction period. If at any point during excavation, a kit fox is discovered inside the den, the excavation activity shall cease immediately and monitoring of the den as described above should be resumed. Destruction of the den may be completed when in the judgment of the biologist, the animal has escaped, without further disturbance, from the partially destroyed den.

Natal/pupping dens: Natal or pupping dens which are occupied will not be destroyed until the pups and adults have vacated and then only after consultation with the Service. Therefore, project activities at some den sites may have to be postponed.

Known Dens: Known dens occurring within the footprint of the activity must be monitored for three days with tracking medium or an infra-red beam camera to determine the current use. If no kit fox activity is observed during this period, the den should be destroyed immediately to preclude subsequent use.

If kit fox activity is observed at the den during this period, the den should be monitored for at least five consecutive days from the time of the observation to allow any resident animal to move to another den during its normal activity. Use of the den can be discouraged during this period by partially plugging its entrances(s) with soil in such a manner that any resident animal can escape easily. Only when the den is determined to be unoccupied may the den be excavated under the direction of the biologist. If the animal is still present after five or more consecutive days of plugging and monitoring, the den may have to be excavated when, in the judgment of a biologist, it is temporarily vacant, for example during the animal's normal foraging activities.

The Service encourages hand excavation, but realizes that soil conditions may necessitate the use of excavating equipment. However, extreme caution must be exercised.

Potential Dens: If a take authorization/permit has been obtained from the Service, den destruction may proceed without monitoring, unless other restrictions were issued with the take authorization/permit. If no take authorization/permit has been issued, then potential dens should be monitored as if they were known dens. If any den was considered to be a potential den, but is later determined during monitoring or destruction to be currently, or previously used by kit fox (e.g., if kit fox sign is found inside), then all construction activities shall cease and the Service shall be notified immediately.

CONSTRUCTION AND ON-GOING OPERATIONAL REQUIREMENTS

Habitat subject to permanent and temporary construction disturbances and other types of ongoing project-related disturbance activities should be minimized by adhering to the following activities. Project designs should limit or cluster permanent project features to the smallest area possible while still permitting achievement of project goals. To minimize temporary disturbances, all project-related vehicle traffic should be restricted to established roads, construction areas, and other designated areas. These areas should also be included in preconstruction surveys and, to the extent possible, should be established in locations disturbed by previous activities to prevent further impacts.

1. Project-related vehicles should observe a daytime speed limit of 20-mph throughout the site in all project areas, except on county roads and State and Federal highways; this is particularly important at night when kit foxes are most active. Night-time construction should be minimized to the extent possible. However if it does occur, then the speed limit should be reduced to 10-mph. Off-road traffic outside of designated project areas should be prohibited.

2. To prevent inadvertent entrapment of kit foxes or other animals during the construction phase of a project, all excavated, steep-walled holes or trenches more than 2-feet deep should be covered at the close of each working day by plywood or similar materials. If the trenches cannot be closed, one or more escape ramps constructed of earthen-fill or wooden planks shall be installed. Before such holes or trenches are filled, they should be thoroughly inspected for trapped animals. If at any time a trapped or injured kit fox is discovered, the Service and the California Department of Fish and Game (CDFG) shall be contacted as noted under measure 13 referenced below.

3. Kit foxes are attracted to den-like structures such as pipes and may enter stored pipes and become trapped or injured. All construction pipes, culverts, or similar structures with a diameter of 4-inches or greater that are stored at a construction site for one or more overnight periods should be thoroughly inspected for kit foxes before the pipe is subsequently buried, capped, or otherwise used or moved in any way. If a kit fox is

discovered inside a pipe, that section of pipe should not be moved until the Service has been consulted. If necessary, and under the direct supervision of the biologist, the pipe may be moved only once to remove it from the path of construction activity, until the fox has escaped.

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

5. No firearms shall be allowed on the project site.

6. No pets, such as dogs or cats, should be permitted on the project site to prevent harassment, mortality of kit foxes, or destruction of dens.

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

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

9. An employee education program should be conducted for any project that has anticipated impacts to kit fox or other endangered species. The program should consist of a brief presentation by persons knowledgeable in kit fox biology and legislative protection to explain endangered species concerns to contractors, their employees, and military and/or agency personnel involved in the project. The program should include the following: A description of the San Joaquin kit fox and its habitat needs; a report of the occurrence of kit fox in the project area; an explanation of the status of the species and its protection under the Endangered Species Act; and a list of measures being taken to reduce impacts to the species during project construction and implementation. A fact sheet conveying this information should be prepared for distribution to the previously referenced people and anyone else who may enter the project site.

10. Upon completion of the project, all areas subject to temporary ground disturbances, including storage and staging areas, temporary roads, pipeline corridors, etc. should be

re-contoured if necessary, and revegetated to promote restoration of the area to pre-project conditions. An area subject to "temporary" disturbance means any area that is disturbed during the project, but after project completion will not be subject to further disturbance and has the potential to be revegetated. Appropriate methods and plant species used to revegetate such areas should be determined on a site-specific basis in consultation with the Service, California Department of Fish and Game (CDFG), and revegetation experts.

11. In the case of trapped animals, escape ramps or structures should be installed immediately to allow the animal(s) to escape, or the Service should be contacted for guidance.

12. Any contractor, employee, or military or agency personnel who are responsible for inadvertently killing or injuring a San Joaquin kit fox shall immediately report the incident to their representative. This representative shall contact the CDFG immediately in the case of a dead, injured or entrapped kit fox. The CDFG contact for immediate assistance is State Dispatch at (916)445-0045. They will contact the local warden or Mr. Paul Hoffman, the wildlife biologist, at (530)934-9309. The Service should be contacted at the numbers below.

13. The Sacramento Fish and Wildlife Office and CDFG shall be notified in writing within three working days of the accidental death or injury to a San Joaquin kit fox during project related activities. Notification must include the date, time, and location of the incident or of the finding of a dead or injured animal and any other pertinent information. The Service contact is the Chief of the Division of Endangered Species, at the addresses and telephone numbers below. The CDFG contact is Mr. Paul Hoffman at 1701 Nimbus Road, Suite A, Rancho Cordova, California 95670, (530) 934-9309.

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

Any project-related information required by the Service or questions concerning the above conditions or their implementation may be directed in writing to the U.S. Fish and Wildlife Service at:

Endangered Species Division
2800 Cottage Way, Suite W2605
Sacramento, California 95825-1846
(916) 414-6620 or (916) 414-6600

EXHIBIT "A" - DEFINITIONS

"Take" - Section 9 of the Endangered Species Act of 1973, as amended (Act) prohibits the "take" of any federally listed endangered species by any person (an individual, corporation, partnership, trust, association, etc.) subject to the jurisdiction of the United States. As defined in the Act, take means " . . . to harass, harm, pursue, hunt, shoot, wound, kill, trap, capture, or collect, or attempt to engage in any such conduct". Thus, not only is a listed animal protected from activities such as hunting, but also from actions that damage or destroy its habitat.

"Dens" - San Joaquin kit fox dens may be located in areas of low, moderate, or steep topography. Den characteristics are listed below, however, the specific characteristics of individual dens may vary and occupied dens may lack some or all of these features. Therefore, caution must be exercised in determining the status of any den. Typical dens may include the following: (1) one or more entrances that are approximately 5 to 8 inches in diameter; (2) dirt berms adjacent to the entrances; (3) kit fox tracks, scat, or prey remains in the vicinity of the den; (4) matted vegetation adjacent to the den entrances; and (5) manmade features such as culverts, pipes, and canal banks.

"Known den" - Any existing natural den or manmade structure that <u>is used or has been used at any time in the past</u> by a San Joaquin kit fox. Evidence of use may include historical records, past or current radiotelemetry or spotlighting data, kit fox sign such as tracks, scat, and/or prey remains, or other reasonable proof that a given den is being or has been used by a kit fox. The Service discourages use of the terms "active" and "inactive" when referring to any kit fox den because a great percentage of occupied dens show no evidence of use, and because kit foxes change dens often, with the result that the status of a given den may change frequently and abruptly.

"Potential Den" - Any subterranean hole within the species' range that has entrances of appropriate dimensions for which available evidence is insufficient to conclude that it is being used or has been used by a kit fox. Potential dens shall include the following: (1) any suitable subterranean hole; or (2) any den or burrow of another species (e.g., coyote, badger, red fox, or ground squirrel) that otherwise has appropriate characteristics for kit fox use.

"Natal or Pupping Den" - Any den used by kit foxes to whelp and/or rear their pups. Natal/pupping dens may be larger with more numerous entrances than dens occupied exclusively by adults. These dens typically have more kit fox tracks, scat, and prey remains in the vicinity of the den, and may have a broader apron of matted dirt and/or vegetation at one or more entrances. A natal den, defined as a den in which kit fox pups are actually whelped but not necessarily reared, is a more restrictive version of the pupping den. In practice, however, it is difficult to distinguish between the two, therefore, for purposes of this definition either term applies.

"Atypical Den" - Any manmade structure which has been or is being occupied by a San Joaquin kit fox. Atypical dens may include pipes, culverts, and diggings beneath concrete slabs and buildings.

ATTACHMENT D

SPECIES OBSERVED ON SITE

Species observed at Mettler Site			
Scientific Name	**Common Name**	**Family**	**Native**
Amaranthus blitoides	mat amaranth	Amaranthaceae	Yes
Atriplex polycarpa	allscale saltbush	Chenopodiaceae	Yes
Bromus madritensis	red brome	Poaceae	No
Chenepodium album	lambs quarters	Chenopodiaceae	No
Convolvulus arvensis	bindweed	Convolvulaceae	No
Cynodon dactylon	Bermuda grass	Poaceae	No
Echinochloa crus-galli	barnyard grass	Poaceae	No
Erigeron canadensis	Canada horseweed	Asteraceae	No
Euphorbia maculata	spotted spurge	Euphorbiaceae	No
Hirschfeldia incana	yellow mustard	Brassicaceae	No
Lactuca saligna	willowleaf lettuce	Asteraceae	No
Malva parviflora	cheeseweed	Malvaceae	No
Melilotus officinalis	yellow sweet-clover	Fabaceae	No
Morus alba	white mulberry	Moraceae	No
Opuntia ficus-indica	tuna	Cactaceae	No
Polygonum argyrocoleon	silversheath knotweed	Polygonaceae	No
Portulaca oleracea	purslane	Portulacaceae	No
Salsola tragus	Russian thistle	Chenopodiaceae	No
Sonchus oleraceus	sowthistle	Asteraceae	No
Tribulus terrestris	puncture vine	Zygophyllaceae	No
Xanthium strumarium	rough cocklebur	Asteraceae	Yes
Lepus californicus	Black-tail jackrabbit	Leporidae	Yes
Otospermophilus beecheyi	California ground squirrel	Sciuridae	Yes
Corvus brachyrhynchos	American crow	Corvidae	Yes
Euphagus cyanocephalus	Brewer's blackbird	Icteridae	Yes
Mimus polyglottos	northern mockingbird	Mimidae	Yes
Buteo jamaicensis	red-tailed hawk	Accipitridae	Yes
Passer domesticus	house sparrow	Passeridae	Yes

*Special-status species

APPENDIX M

REFINED AIR QUALITY MODELING FILES AND CALCULATION TABLES

REFINED CALEEMOD INPUT FILES

CalEEMod Inputs

Tejon Indian Tribe Trust Acquisition and Casino Project

Alternative A1

Project-Specific Inputs for the Tejon Tribe Indian Trust Acquisition and Casino Project – Alternative A1

Input	Type of Input	Project Specific Inputs		
		Proposed Project	Future Growth	Source/Notes
Project Name	Project Name	Tejon Indian Tribe Trust Acquisition and Casino Project	"	Project Description
Project Location	County	Kern County	"	Project Description
Climate zone	Climate Zone Number	3	"	Appendix F of CalEEMod User Guide, Climate Zones Lookup
Land Use Setting	Urban or Rural	Rural	"	Site and Vicinity Figure
Start of Construction	Date	June 2022	2030	Section 2 of the EIS
Operational Year	1st year of operation after full buildout.	2023	2032	Section 2 of the EIS
Utility Company	Utility Company Name	SCE	"	Section 2 of the EIS
Land Use Type and Subtype	Residential, Commercial, Recreation, etc.	See **Table 1.**	"	See **Table 1.**
Unit Amount	Size of Buildings or Number of units for each Land Use Type.	See **Table 1.**	"	See **Table 1.**
Lot Acreage	Acreage of each Land Use Type	See **Table 1.**	"	See **Table 1.**
Population	Population based on persons/household	Default	"	Default
Construction Phases	Type of construction phase (Demo, Site Prep, etc.) and beginning and ending dates	See **Table 2**.	"	See **Table 2**.
Off-Road Equipment	Type of equipment (Excavator, Dozer, etc.) and number of units per construction phase	See **Table 2**.	"	See **Table 2**.
Dust From Material Haul	Import/Export Material (Cu Yd or Tons)	Import: 419,405 Cu Yd	"	DPSI, 2019 Preliminary Grading, Drainage and Flood Impact Analysis
	Total Acres Graded	72.9	147.3	
Demolition	Sq ft or tons of Demo (Tons or Sqft)	3,500 sq ft	"	Google Earth, 2019
Construction Trip Gen Rate	Average number of one-way trips per day	Use Default Values	"	Defaults
Operational Trip Reductions	% reduction in trips.	See **Table 3**.	"	See **Table 3** (TIS, 2019)
Operational Trip Gen Rate and trip length	Trips and trip lengths	See **Table 3**.	"	See **Table 3**.
Area Sources	Hearths – # of wood-burning fireplaces, # of gas fireplaces, and # of units with no fireplace.	NA	"	No hearths are included in project design.

Input	Type of Input	Project Specific Inputs		
		Proposed Project	Future Growth	Source/Notes
	Landscape Equipment - % of equipment that is electric.	--	“	--
Energy Use	Project Specific Emission Factors.	See **Table 4**.	“	See **Table 4**.
Water and Wastewater	Indoor and outdoor water use for each Land Use Subtype in gallons per year.	See **Table 1.**	“	See **Table 1.**
Solid waste	Tons of solid waste generated per year	1,241 ton/year	1,507 ton/year	EIS Section 3.10 Table 3.10-1
	Land Fill No Gas Capture, Landfill Capture Gas Flare Rate	Default	“	CalEEMod 2016.3.2 Default
Operational off-road equipment	Excavator, Dozer, etc.	--	“	--
Stationary Sources	Emergency Generators/Fire Pumps	Three 2,923-Horsepower emergency gen/sets operating 500 hours per year Four 0.5-MMBtu/hr boilers operating 8,760 hours per year	“	Based on like project emergency gen/set size and use.
Land Use Change	Vegetation land use type (cropland, etc.) and initial and final acreage	Initial Cropland: 306 acres Final Cropland: 196 acres	Initial Cropland: 196 acres Final Cropland: 43 acres	EIS Project Description Section 2
Sequestration	Type and net number of new trees added	Not Applicable	“	Insignificant increase in the number of trees on project site for modeling purposes

Project–Mitigation Inputs for the Tejon Indian Tribe Trust Acquisition and Casino Project – Alternative A1

Mitigation Input Category	CAPCOA Mitigation Number	Include in Model? (yes/no)	Type of Input / Unit	Project Specific Inputs	
				Inputs	Source/Notes
Off-Road Equipment	C-1	Yes	Engine Type, DPF Level, and Oxidation Catalyst	See **Table 5.**	See **Table 5.**
Soil Stabilizer for Unpaved Roads	N/A	Yes	PM_{10} (% Reduction)	10%	Default % Reduction.
	N/A		$PM_{2.5}$ (% Reduction)	10%	Default % Reduction.
Water Exposed Area	N/A	Yes	Frequency (per day)	2 times per day	Default % Reduction.
	N/A		PM_{10} (% Reduction)	55%	Default % Reduction.
	N/A		$PM_{2.5}$ (% Reduction)	55%	Default % Reduction.
Replace Ground Cover of Area Disturbed	N/A	No	PM_{10} (% Reduction)	--	--
	N/A		$PM_{2.5}$ (% Reduction)	--	--
Unpaved Road Mitigation	N/A	No	Moisture Content (%)	--	--
	N/A	Yes	Vehicle Speed (mph)	15 mph	Section 2 of EIS, BMP A(4)
Type of Residential	N/A	No	Type of Residential	--	--
Increased Density	LUT-1	No	Dwelling Units/Acre	--	--
			Job/Job Acre	--	--
Increased Diversity	LUT-3	No	Yes or No	--	--
Improved Walkability Design	LUT-9	No	Intersections/Square Miles	--	--
Improve Destination Accessibility	LUT-4	No	Distance to Downtown/Job Ctr	--	--
Increased Transit Accessibility	LUT-5	No	Average Distance to Transit Station (miles)	--	--
Integrated Below Market Rate Housing	LUT-6	No	# Dwelling Units Below Market Rate	--	--
Improve Pedestrian Network	SDT-1	No	Yes or No; Project Site, Project Site and Connecting off-site, and Rural	--	--

Mitigation Input Category	CAPCOA Mitigation Number	Include in Model? (yes/no)	Type of Input / Unit	Project Specific Inputs	
				Inputs	Source/Notes
Provide Traffic Calming Measures	SDT-2	No	% Streets with Improvement	--	--
		No	% Intersections with Improvement	--	--
Implement Neighborhood Electric Vehicle (NEV) Network	SDT-3	No	% of streets equipped with NEV network.	--	--
Limit Parking Supply	PDT-1	No	% Reduction in Spaces	--	--
Unbundled Parking Costs	PDT-2	No	Monthly Parking Costs ($)	--	--
On-Street Market Pricing	PDT-3	No	% Increase in Price	--	--
Provide a Bus Rapid Transit System	TST-1	No	% Lines BRT	--	Assuming no shuttle services
Expand Transit Network	TST-3	No	% Increase Transit Coverage	--	--
Increase Transit Frequency	TST-4	No	Level of Implementation	--	--
		No	% Reduction in Headways	--	--
Implement Trip Reduction Program	TRT-1, TRT-2	No	% employee eligible	--	--
		No	Program Type	--	--
Transit Subsidy	TRT-4	No	% employee eligible	--	--
		No	Daily Transit Subsidy Amount ($)	--	--
Implement Employee Parking “Cash-Out”	TRT-15	No	% employee eligible	--	--
Workplace Parking Charge	TRT-14	No	% employee eligible	--	--
		No	Daily Parking Charge ($)	--	--
Encourage Telecommuting and Alternative Work Schedules	TRT-6	No	% employee work 9/80	--	--
		No	% employee work 4/40	--	--
		No	% employee telecommute 1.5 days	--	--

Mitigation Input Category	CAPCOA Mitigation Number	Include in Model? (yes/no)	Type of Input / Unit	Project Specific Inputs	
				Inputs	Source/Notes
Market Commute Trip Reduction Option	TRT-7	No	% employee eligible	--	--
Employee Vanpool/Shuttle	TRT-11	No	% employee eligible	--	--
		No	% vanpool mode share	--	--
Provide Ride Sharing Program	TRT-3	No	% employee eligible	--	--
Implement School Bus Program	TRT-13	No	% family using	--	--
Only Natural Gas Hearth	N/A	No	Yes or No	--	--
No hearth	N/A	No	Yes or No	--	--
Use of Low VOC Cleaning Supplies	N/A	No	Yes or No	--	--
Use low VOC Paint (Residential Interior)	N/A	Yes	Emission Factor (EF) (g/l)	150	SJVAPCD amendment to Rule 4601 Architectural Coatings (based on Nonflat High Gloss Coating)
Use low VOC Paint (Residential Exterior)	N/A	Yes	EF (g/l)	150	SJVAPCD amendment to Rule 4601 Architectural Coatings (based on Nonflat High Gloss Coating)
Use low VOC Paint (Non-residential Interior)	N/A	Yes	EF (g/l)	150	SJVAPCD amendment to Rule 4601 Architectural Coatings (based on Nonflat High Gloss Coating)
Use low VOC Paint (Non-residential Exterior)	N/A	Yes	EF (g/l)	150	SJVAPCD amendment to Rule 4601 Architectural Coatings (based on Nonflat High Gloss Coating)
Electric Lawnmower	A-1	No	Percent of equipment type that will be electric.	--	--
Electric Leafblower	A-1	No	Percent of equipment type that will be electric.	--	--
Electric Chainsaw	A-1	No	Percent of equipment type that will be electric.	--	--
Exceed Title 24	BE-1	No	Percentage improvement selected for the Project.	--	--

Mitigation Input Category	CAPCOA Mitigation Number	Include in Model? (yes/no)	Type of Input / Unit	Project Specific Inputs	
				Inputs	Source/Notes
Install High Efficiently Lighting	LE-1	Yes	% Lighting Energy Reduction	16	Default % reduction assuming implementation of Recommended Mitigation
On-site Renewable Energy	AE-1, AE-2, AE-3	No	kWh Generated	--	--
		No	% of Electricity Use Generated	--	--
Energy Efficient Appliances	BE-4	Yes	Appliance Type, Land Use Subtype, % Improvement	Use Default Values	Defaults
Apply Water Conservation Strategy	WUW-2	No	% Reduction Indoor	--	--
		No	% Reduction Outdoor	--	--
Use Reclaimed Water	WSW-1	No	% Indoor Water Use	--	--
		Yes	% Outdoor Water Use	100%	Water and Sewer Study by Dexter Wilson Engineering, April 2019
Use Grey Water	WSW-2	No	% Indoor Water Use	--	--
		No	% Outdoor Water Use	--	--
Install Low-Flow Bathroom Faucet	WUW-1	Yes	% Reduction in flow	32%	Default % reduction assuming implementation of Recommended Mitigation
Install Low-flow Kitchen Faucet	WUW-1	Yes	% Reduction in flow	18%	Default % reduction assuming implementation of Recommended Mitigation.
Install Low-flow Toilet	WUW-1	Yes	% Reduction in flow	20%	Default % reduction assuming implementation of Recommended Mitigation
Install Low-flow Shower	WUW-1	Yes	% Reduction in flow	20%	Default % reduction assuming implementation of Recommended Mitigation
Turf Reduction	WUW-5	No	Turf Reduction Area (sqft)	--	--
		No	% Reduction turf	--	--
Use Water-Efficient Irrigation Systems	WUW-4	No	% Reduction	--	--
Water Efficient Landscape	WUW-3	No	Maximum Applied Water Allowance (MAWA) (gal/yr)	--	--

Mitigation Input Category	CAPCOA Mitigation Number	Include in Model? (yes/no)	Type of Input / Unit	Project Specific Inputs	
				Inputs	Source/Notes
		No	Estimated Total Water Use (ETWU) (gal/yr)	--	--
Institute Recycling and Composting Service	SW-1	Yes	% Reduction in Waste Disposal	50%	Tribe will use County facilities which are required to divert 50 percent of waste from landfills

Table 1 – Land Use Inputs[1]

2023 Proposed Project Land Use Inputs							
Land Use Type	**Land Use Subtype[1]**	**Unit Amount**	**Size Metric**	**Lot Acreage**	**Square Feet**	**Indoor Water Demand (gal/yr)[2]**	**Outdoor Water Demand (gal/yr)[2]**
Commercial[a]	User Defined (Casino)	166.5	ksf	77	489,800	31,509,720	4,726,458
Recreation[b]	Hotel	400	rooms	0	226,000	17,520,000	2,628,000
Recreation[c]	User Defined (RV Park)	22	acres	0	958,320	7,227,000	1,084,050
Parking[d]	Parking Lot and Structure	4,500	spaces	0	1,524,600	0	0
Commercial	General Office Building (Fire Station)	10	ksf	0	10,000	271,560	40,734
2040 Future Growth Land Use Inputs							
Land Use Type	**Land Use Subtype[1]**	**Unit Amount**	**Size Metric**	**Lot Acreage**	**Square Feet**	**Indoor Water Demand (gal/yr)[2]**	**Outdoor Water Demand (gal/yr)[2]**
Commercial	User Defined (Organic Farm)	43	acres	43	1,873,080	0	31,390,000
Residential	Single-Family	92	dwelling units	102	220,800[e]	21,759,840	0
Recreation	City Park	29	acres	29	1,263,240	0	13,707,575
Recreation	User Defined (Community Center)	68	ksf	11	68,000	2,382,720	0
Commercial	Medical Office Building (Health Center)	43	ksf	7	43,000	1,506,720	0
Commercial	General Office Building (Tribe Admin)	42.5	ksf	7	42,500	1,489,200	0

Notes:
ksf = 1,000 square feet
1 - Source: Section 2, Project Description.
2 - Source: Water and Sewer Study by Dexter Wilson Engineering dated April 2019 (DWE, 2019); calculations based on Table 2-1; total calculated using Average Day Demand (GPD) for the Proposed Project. Outdoor Water Demand is 15% of Indoor.
a - Includes: Gaming Areas + Restaurants + Entertainment and Retail + Meeting Rooms + Pool + Spa and Fitness + Back of House
b – Total number of rooms
c – Total RV Park area
d - Parking structure disturbed area and lots.
e – Based on 92 single family homes at 2,400 sqft.

Table 2 – Construction Equipment Usage

2023 Proposed Project Equipment Usage						
Equipment	**Construction Phase Activities**					
	Demolition (6/1/22 – 6/20/22)	**Site Preparation (6/1/22 – 7/19/22)**	**Grading (7/20/22 – 9/23/22)**	**Construction (9/24/22 – 12/19/23)**	**Paving (6/1/23 – 11/3/23)**	**Architectural Coating (12/19/22 – 12/29/23)**
All Heavy Equipment	Default	Default	Default	Default	Default	Default
Worker Trips	Default	Default	Default	Default	Default	Default
Soil Haul Trips	Default	Default	Default	Default	Default	Default
Soil Haul	Default	Default	Default	Default	Default	Default
Total Days	14	35	48	322	112	270
2040 Future Growth Equipment Usage						
Equipment	**Construction Phase Activities**					
	Demolition (1/1/30 – 1/18/30)	**Site Preparation (1/1/30 – 2/18/30)**	**Grading (2/19/30 – 4/25/30)**	**Construction (4/26/30 – 11/6/31)**	**Paving (1/1/31 – 6/5/31)**	**Architectural Coating (7/21/30 – 11/21/31)**
All Heavy Equipment	Default	Default	Default	Default	Default	Default
Worker Trips	Default	Default	Default	Default	Default	Default
Soil Haul Trips	Default	Default	Default	Default	Default	Default
Total Days	14	35	48	400	112	350

Source: CalEEMod 2016.3.2; AES, 2019.

Table 3 - Trip Generation Rates

2023 Proposed Project Trip Generation Rate											
Land Use Subtype	Daily Trip Generation Rate[1]		Average Trip Length (miles)[2]			Trip Type (%)[4]			Trip Purpose (%)[5]		
	Weekday	Weekend	Commercial-Customer Trips (C-C)	Commercial-Work Trips (C-W)	Commercial-Nonwork Trips (C-NW)	Primary	Diverted	Pass-By	Commercial-Customer Trips(C-C)	Commercial-Work Trips (C-W)	Commercial-Nonwork Trips (C-NW)
Commercial User Defined (Casino)	44.18	73.22	43	22	22	100	0	0	79.2	1.8	19
Recreation (Hotel)	3	3	43	22	22	Default	Default	Default	Default	Default	Default
Recreation User Defined (RV Park)	7	10	43	22	22	100	0	0	62	19	19
General Office Building (Fire Station)	Default	Default	Default	Default	Default	Default	Default	Default	Default	Default	Default
2040 Future Growth Trip Generation Rate											
Land Use Subtype	Daily Trip Generation Rate[1]		Trip Length (miles)[2]			Trip Type (%)[4]			Trip Purpose (%)[5]		
	Weekday	Weekend	Commercial-Customer Trips (C-C)	Commercial-Work Trips (C-W)	Commercial-Nonwork Trips (C-NW)	Primary	Diverted	Pass-By	Commercial-Customer Trips(C-C)	Commercial-Work Trips (C-W)	Commercial-Nonwork Trips (C-NW)
Commercial User Defined (Organic Farm)	2	2	43	22	22	100	0	0	28	59	13
Residential (Single-Family)	10.47	9.86	Default	Default	Default	Default	Default	Default	Default	Default	Default
Recreation (City Park)	7.8	19.6	Default	Default	Default	Default	Default	Default	Default	Default	Default
Recreation User Defined (Community Center)	14.41	4.55	7.3	9.5	7.3	100	0	0	90	5	5

Commercial Medical Office Building (Tribal Medical Building)	17.4	4.285	7.3	9.5	7.3	100	0	0	Default	Default	Default
Commercial General Office Building (Tribe Admin)	8.095	0	Default	Default	Default	Default	Default	Default	Default	Default	Default

Notes:

Source: LLG TIS, 2019 (**Appendix D**) LLG, 2019; CalEEMod, 2016.

1 – Revised to include diverted link reduction of 10 percent (TIS, 2019).

2 - Average trip length for commercial workers and non-work trips based on distance from Bakersfield to project site. Average trip length for customer trips based on based on the primary market area as defined in **Appendix O**. Community center and tribal medical building trip lengths based on CalEEMod default value for Kern County trip length.

3 - Casino trip generation rate includes trips from casino, retail, ancillary, and restaurant uses.

4 - All Trip Type percentages, with exception of the Casino, are CalEEMod default values. The Casino Trip Type percentage conservatively assumes that all casino trips are primary due to the remote location of the casino.

5 - The Casino Trip Purpose percentage is based off of the Special Event Venue (Movie Theatre - No Matinee) CalEEMod default value based on similar recreational land use. The RV Park Trip Purpose percentage is based off of the Motel CalEEMod default value. The Organic Farm Trip Purpose percentage is based off of the General Light Industry CalEEMod default value. The Community Center Trip Purpose percentage is based off of the Place of Worship CalEEMod default value.

Table 4 – Energy Use

2023 Proposed Project Energy Use[1]					
Land Use Subtype	**Title-24 Electricity Energy Intensity (KWhr/size/yr)**	**Nontitle-24 Electricity Energy Intensity (KWhr/size/yr)**	**Lighting Energy Intensity (KWhr/size/yr)**	**Title-24 Natural Gas Intensity (KBtu/size/yr)**	**Non-title-24 Natural Gas Intensity (KBtu/size/yr)**
Commercial User Defined (Casino)[2]	0	7.45	0	0	1,240
Hotel	Default	Default	Default	Default	Default
Recreation User Defined (RV Park)[3]	0.413	0.23	0.151	1.8	0.7
Parking Lot	Default	Default	Default	Default	Default
General Office Building (Fire Station)	Default	Default	Default	Default	Default
2040 Future Growth Energy Use[1]					
Land Use Subtype	**Title-24 Electricity Energy Intensity (KWhr/size/yr)**	**Nontitle-24 Electricity Energy Intensity (KWhr/size/yr)**	**Lighting Energy Intensity (KWhr/size/yr)**	**Title-24 Natural Gas Intensity (KBtu/size/yr)[1]**	**Non-title-24 Natural Gas Intensity (KBtu/size/yr)[1]**
Commercial User Defined (Organic Farm)[4]	1.96	4.16	2.70	17	4
Residential (Single-Family)	Default	Default	Default	Default	Default
Recreation (City Park)	Default	Default	Default	Default	Default
Recreation User Defined (Community Center)[5]	1.96	4.16	2.70	17	4
Commercial Medical Office Building (Tribal Medical Building)	Default	Default	Default	Default	Default
Commercial General Office Building (Tribe Admin)	Default	Default	Default	Default	Default

Notes:
1 - The Proposed Project will use electricity and natural gas on-site.
2 – Casino energy use based on like projects.
3 – RV Park energy use based on 10 percent of hotel energy use.
4 – Organic Farm energy use based on General Light Industry default value.
5 – Community Center energy use based on Place of Worship default value.
Source: CalEEMod 2016.3.2; AES, 2019.

Table 5 – Off-Road Equipment Mitigation Inputs

2023 Proposed Project and 2040 Future Growth Off-Road Equipment Mitigation Inputs			
Equipment Type	**Engine Tier**	**Number of Equipment Mitigated**	**Diesel Particulate Filter (DPF) Level 2014**
Scrapers	No Change	0	No Change
All Other Equipment	Tier 3	All	3

Mitigation Measures

- The Tribe shall use Tier 3 construction equipment (with the exception of Tier 3 Scrapers, which are not widely available), using a minimum of 90 percent of the equipment's total horsepower, as well as construction equipment with Level 3 diesel particulate filters (DPF)
- The Tribe shall use soil stabilizer on unpaved roads.
- The Tribe shall apply water to exposed construction areas twice a day.
- The Tribe shall restrict vehicle speeds on the construction site to 15 miles per hour.
- The Tribe shall restrict construction vehicle idling to five minutes.
- The Tribe shall use energy efficient lighting
- The Tribe shall use reclaimed water for outdoor landscape irrigation (included as part of the Project Description; however, input as a mitigation measure for the purposes of CalEEMod).

References

California Energy Commission (CEC), 2015. California Electric Utility Service Areas. Available at: http://www.energy.ca.gov/maps/serviceareas/Electric_Service_Areas_Detail.pdf. Accessed May 15, 2019.

CalEEMod Inputs

Tejon Indian Tribe Trust Acquisition and Casino Project

Alternative A2

Project-Specific Inputs for the Tejon Tribe Indian Trust Acquisition and Casino Project – Alternative A2

Input	Type of Input	Project Specific Inputs		
		Proposed Project	Future Growth	Source/Notes
Project Name	Project Name	Tejon Indian Tribe Trust Acquisition and Casino Project	"	Project Description
Project Location	County	Kern County	"	Project Description
Climate zone	Climate Zone Number	3	"	Appendix F of CalEEMod User Guide, Climate Zones Lookup
Land Use Setting	Urban or Rural	Rural	"	Site and Vicinity Figure
Start of Construction	Date	June 2022	2030	Section 2 of the EIS
Operational Year	1st year of operation after full buildout.	2023	2032	Section 2 of the EIS
Utility Company	Utility Company Name	SCE	"	Section 2 of the EIS
Land Use Type and Subtype	Residential, Commercial, Recreation, etc.	See **Table 1.**	"	See **Table 1.**
Unit Amount	Size of Buildings or Number of units for each Land Use Type.	See **Table 1.**	"	See **Table 1.**
Lot Acreage	Acreage of each Land Use Type	See **Table 1.**	"	See **Table 1.**
Population	Population based on persons/household	Default	"	Default
Construction Phases	Type of construction phase (Demo, Site Prep, etc.) and beginning and ending dates	See **Table 2**.	"	See **Table 2**.
Off-Road Equipment	Type of equipment (Excavator, Dozer, etc.) and number of units per construction phase	See **Table 2**.	"	See **Table 2**.
Dust From Material Haul	Import/Export Material (Cu Yd or Tons)	Import: 299,820 Cu Yd	"	DPSI, 2019 Preliminary Grading, Drainage and Flood Impact Analysis
	Total Acres Graded	55.3	147.3	
Demolition	Sq ft or tons of Demo	3,500 sq ft	"	Google Earth, 2019
Construction Trip Gen Rate	Average number of one-way trips per day	Use Default Values	"	Defaults
Operational Trip Reductions	% reduction in trips.	See **Table 3**.	"	See **Table 3** (TIS, 2019)
Operational Trip Gen Rate and trip length	Trips and trip lengths	See **Table 3**.	"	See **Table 3**.
Area Sources	Hearths – # of wood-burning fireplaces, # of gas fireplaces, and # of units with no fireplace.	NA	"	No hearths are included in project design.

Input	Type of Input	Project Specific Inputs		
		Proposed Project	Future Growth	Source/Notes
	Landscape Equipment - % of equipment that is electric.	--	“	--
Energy Use	Project Specific Emission Factors.	See **Table 4**.	“	See **Table 4**.
Water and Wastewater	Indoor and outdoor water use for each Land Use Subtype in gallons per year.	See **Table 1.**	“	See **Table 1.**
Solid waste	Tons of solid waste generated per year	986 ton/year	1,263 ton/year	EIS Section 3.10 Table 3.10-2
	Land Fill No Gas Capture, Landfill Capture Gas Flare Rate	Default	“	CalEEMod 2016.3.2 Default
Operational off-road equipment	Excavator, Dozer, etc.	--	“	--
Stationary Sources	Emergency Generators/Fire Pumps	Two 2,923-Horsepower emergency gen/sets operating 500 hours per year Three 0.5-MMBtu/hr boilers operating 8760 hours per year	“	Based on like project emergency gen/set size and use.
Land Use Change	Vegetation land use type (cropland, etc.) and initial and final acreage	Initial Cropland: 306 acres Final Cropland: 218 acres	Initial Cropland: 218 acres Final Cropland: 43 acres	EIS Project Description Section 2
Sequestration	Type and net number of new trees added	Not Applicable	“	Insignificant increase in the number of trees on project site for modeling purposes

Project–Mitigation Inputs for the Tejon Indian Tribe Trust Acquisition and Casino Project – Alternative A2

Mitigation Input Category	CAPCOA Mitigation Number	Include in Model? (yes/no)	Type of Input / Unit	Project Specific Inputs	
				Inputs	Source/Notes
Off-Road Equipment	C-1	Yes	Engine Type, DPF Level, and Oxidation Catalyst	See **Table 5.**	See **Table 5.**
Soil Stabilizer for Unpaved Roads	N/A	Yes	PM_{10} (% Reduction)	10%	Default % Reduction.
	N/A		$PM_{2.5}$ (% Reduction)	10%	Default % Reduction.
Water Exposed Area	N/A	Yes	Frequency (per day)	2 times per day	Default % Reduction.
	N/A		PM_{10} (% Reduction)	55%	Default % Reduction.
	N/A		$PM_{2.5}$ (% Reduction)	55%	Default % Reduction.
Replace Ground Cover of Area Disturbed	N/A	No	PM_{10} (% Reduction)	--	--
	N/A		$PM_{2.5}$ (% Reduction)	--	--
Unpaved Road Mitigation	N/A	No	Moisture Content (%)	--	--
	N/A	Yes	Vehicle Speed (mph)	15 mph	Section 2 of EIS, BMP A(4)
Type of Residential	N/A	No	Type of Residential	--	--
Increased Density	LUT-1	No	Dwelling Units/Acre	--	--
			Job/Job Acre	--	--
Increased Diversity	LUT-3	No	Yes or No	--	--
Improved Walkability Design	LUT-9	No	Intersections/Square Miles	--	--
Improve Destination Accessibility	LUT-4	No	Distance to Downtown/Job Ctr	--	--
Increased Transit Accessibility	LUT-5	No	Average Distance to Transit Station (miles)	--	--
Integrated Below Market Rate Housing	LUT-6	No	# Dwelling Units Below Market Rate	--	--
Improve Pedestrian Network	SDT-1	No	Yes or No; Project Site, Project Site and Connecting off-site, and Rural	--	--

Mitigation Input Category	CAPCOA Mitigation Number	Include in Model? (yes/no)	Type of Input / Unit	Project Specific Inputs	
				Inputs	Source/Notes
Provide Traffic Calming Measures	SDT-2	No	% Streets with Improvement	--	--
		No	% Intersections with Improvement	--	--
Implement Neighborhood Electric Vehicle (NEV) Network	SDT-3	No	% of streets equipped with NEV network.	--	--
Limit Parking Supply	PDT-1	No	% Reduction in Spaces	--	--
Unbundled Parking Costs	PDT-2	No	Monthly Parking Costs ($)	--	--
On-Street Market Pricing	PDT-3	No	% Increase in Price	--	--
Provide a Bus Rapid Transit System	TST-1	No	% Lines BRT	--	Assuming no shuttle services
Expand Transit Network	TST-3	No	% Increase Transit Coverage	--	--
Increase Transit Frequency	TST-4	No	Level of Implementation	--	--
		No	% Reduction in Headways	--	--
Implement Trip Reduction Program	TRT-1, TRT-2	No	% employee eligible	--	--
		No	Program Type	--	--
Transit Subsidy	TRT-4	No	% employee eligible	--	--
		No	Daily Transit Subsidy Amount ($)	--	--
Implement Employee Parking “Cash-Out”	TRT-15	No	% employee eligible	--	--
Workplace Parking Charge	TRT-14	No	% employee eligible	--	--
		No	Daily Parking Charge ($)	--	--
Encourage Telecommuting and Alternative Work Schedules	TRT-6	No	% employee work 9/80	--	--
		No	% employee work 4/40	--	--
		No	% employee telecommute 1.5 days	--	--

Mitigation Input Category	CAPCOA Mitigation Number	Include in Model? (yes/no)	Type of Input / Unit	Project Specific Inputs	
				Inputs	Source/Notes
Market Commute Trip Reduction Option	TRT-7	No	% employee eligible	--	--
Employee Vanpool/Shuttle	TRT-11	No	% employee eligible	--	--
		No	% vanpool mode share	--	--
Provide Ride Sharing Program	TRT-3	No	% employee eligible	--	--
Implement School Bus Program	TRT-13	No	% family using	--	--
Only Natural Gas Hearth	N/A	No	Yes or No	--	--
No hearth	N/A	No	Yes or No	--	--
Use of Low VOC Cleaning Supplies	N/A	No	Yes or No	--	--
Use low VOC Paint (Residential Interior)	N/A	Yes	Emission Factor (EF) (g/l)	150	SJVAPCD amendment to Rule 4601 Architectural Coatings (based on Nonflat High Gloss Coating)
Use low VOC Paint (Residential Exterior)	N/A	Yes	EF (g/l)	150	SJVAPCD amendment to Rule 4601 Architectural Coatings (based on Nonflat High Gloss Coating)
Use low VOC Paint (Non-residential Interior)	N/A	Yes	EF (g/l)	150	SJVAPCD amendment to Rule 4601 Architectural Coatings (based on Nonflat High Gloss Coating)
Use low VOC Paint (Non-residential Exterior)	N/A	Yes	EF (g/l)	150	SJVAPCD amendment to Rule 4601 Architectural Coatings (based on Nonflat High Gloss Coating)
Electric Lawnmower	A-1	No	Percent of equipment type that will be electric.	--	--
Electric Leafblower	A-1	No	Percent of equipment type that will be electric.	--	--
Electric Chainsaw	A-1	No	Percent of equipment type that will be electric.	--	--
Exceed Title 24	BE-1	No	Percentage improvement selected for the Project.	--	--

Mitigation Input Category	CAPCOA Mitigation Number	Include in Model? (yes/no)	Type of Input / Unit	Project Specific Inputs	
				Inputs	Source/Notes
Install High Efficiently Lighting	LE-1	Yes	% Lighting Energy Reduction	16	Default % reduction assuming implementation of Recommended Mitigation
On-site Renewable Energy	AE-1, AE-2, AE-3	No	kWh Generated	--	--
		No	% of Electricity Use Generated	--	--
Energy Efficient Appliances	BE-4	Yes	Appliance Type, Land Use Subtype, % Improvement	Use Default Values	Defaults
Apply Water Conservation Strategy	WUW-2	No	% Reduction Indoor	--	--
		No	% Reduction Outdoor	--	--
Use Reclaimed Water	WSW-1	No	% Indoor Water Use	--	--
		Yes	% Outdoor Water Use	100%	Water and Sewer Study by Dexter Wilson Engineering, April 2019
Use Grey Water	WSW-2	No	% Indoor Water Use	--	--
		No	% Outdoor Water Use	--	--
Install Low-Flow Bathroom Faucet	WUW-1	Yes	% Reduction in flow	32%	Default % reduction assuming implementation of Recommended Mitigation
Install Low-flow Kitchen Faucet	WUW-1	Yes	% Reduction in flow	18%	Default % reduction assuming implementation of Recommended Mitigation.
Install Low-flow Toilet	WUW-1	Yes	% Reduction in flow	20%	Default % reduction assuming implementation of Recommended Mitigation
Install Low-flow Shower	WUW-1	Yes	% Reduction in flow	20%	Default % reduction assuming implementation of Recommended Mitigation
Turf Reduction	WUW-5	No	Turf Reduction Area (sqft)	--	--
		No	% Reduction turf	--	--
Use Water-Efficient Irrigation Systems	WUW-4	No	% Reduction	--	--
Water Efficient Landscape	WUW-3	No	Maximum Applied Water Allowance (MAWA) (gal/yr)	--	--

Mitigation Input Category	CAPCOA Mitigation Number	Include in Model? (yes/no)	Type of Input / Unit	Project Specific Inputs	
				Inputs	Source/Notes
		No	Estimated Total Water Use (ETWU) (gal/yr)	--	--
Institute Recycling and Composting Service	SW-1	Yes	% Reduction in Waste Disposal	50%	Tribe will use County facilities which are required to divert 50 percent of waste from landfills

Table 1 – Land Use Inputs[1]

2023 Proposed Project Land Use Inputs							
Land Use Type	**Land Use Subtype**	**Unit Amount**	**Size Metric**	**Lot Acreage**	**Square Feet**	**Indoor Water Demand (gal/yr)[2]**	**Outdoor Water Demand (gal/yr)[2]**
Recreation[a]	User Defined (Casino)	147	ksf	55	374,900	26,766,180	4,014,927
Recreation[b]	Hotel	300	rooms	0	177,500	13,140,000	1,971,000
Parking[c]	Parking Lot and Structure	3,600	spaces	0	1,524,600	0	0
Commercial	General Office Building (Fire Station)	10	ksf	0	10,000	271,560	40,734
2040 Future Growth Year Land Use Inputs							
Land Use Type	**Land Use Subtype**	**Unit Amount**	**Size Metric**	**Lot Acreage**	**Square Feet**	**Indoor Water Demand (gal/yr)[2]**	**Outdoor Water Demand (gal/yr)[2]**
Commercial	User Defined (Organic Farm)	43	acres	43	1,873,080	0	31,390,000
Residential	Single-Family	92	dwelling units	102	220,800[d]	21,759,840	0
Recreation	City Park	52	acres	52	2,265,120	0	24,579,100
Recreation	User Defined (Community Center)	68	ksf	11	68,000	2,382,720	0
Commercial	Medical Office Building (Health Center)	43	ksf	7	43,000	1,506,720	0
Commercial	General Office Building (Tribe Admin)	42.5	ksf	7	42,500	1,489,200	0

Notes:
ksf = 1,000 square feet
1 - Source: Section 2, Project Description.
2 - Source: Water and Sewer Study by Dexter Wilson Engineering dated April 2019 (DWE, 2019); calculations based on Table 2-2; total calculated using Average Day Demand (GPD) for the Proposed Project. Outdoor Water Demand is 15% of Indoor.
a - Includes: Gaming Areas + Restaurants + Entertainment and Retail + Meeting Rooms + Pool + Spa and Fitness + Back of House
b – Total number of rooms
c - Parking structure disturbed area and lots.
d – Based on 92 single family homes at 2,400 sqft.

Table 2 – Construction Equipment Usage

2023 Proposed Project Equipment Usage						
Equipment	**Construction Phase Activities**					
	Demolition (6/1/22 – 6/20/22)	**Site Preparation (6/1/22 – 7/19/22)**	**Grading (7/20/22 – 9/23/22)**	**Construction (9/24/22 – 12/19/23)**	**Paving (6/1/23 – 11/3/23)**	**Architectural Coating (12/19/22 – 12/29/23)**
All Heavy Equipment	Default	Default	Default	Default	Default	Default
Worker Trips	Default	Default	Default	Default	Default	Default
Soil Haul Trips	Default	Default	Default	Default	Default	Default
Soil Haul	Default	Default	Default	Default	Default	Default
Total Days	14	35	48	322	112	270
2040 Future Growth Equipment Usage						
Equipment	**Construction Phase Activities**					
	Demolition (1/1/30 – 1/18/30)	**Site Preparation (1/1/30 – 2/18/30)**	**Grading (2/19/30 – 4/25/30)**	**Construction (4/26/30 – 11/6/31)**	**Paving (1/1/31 – 6/5/31)**	**Architectural Coating (7/21/30 – 11/21/31)**
All Heavy Equipment	Default	Default	Default	Default	Default	Default
Worker Trips	Default	Default	Default	Default	Default	Default
Soil Haul Trips	Default	Default	Default	Default	Default	Default
Total Days	14	35	48	400	112	350

Source: CalEEMod 2016.3.2; AES, 2019.

Table 3 - Trip Generation Rates

2023 Proposed Project Trip Generation Rate											
Land Use Subtype	Daily Trip Generation Rate[2]		Trip Length (miles)[3]			Trip Type (%)[4]			Trip Purpose (%)[5]		
	Weekday	Weekend	Commercial-Customer Trips (C-C)	Commercial-Work Trips (C-W)	Commercial-Nonwork Trips (C-NW)	Primary	Diverted	Pass-By	Commercial-Customer Trips(C-C)	Commercial-Work Trips (C-W)	Commercial-Nonwork Trips (C-NW)
Recreation User Defined (Casino)[1]	48.01	78.99	43	22	22	100	0	0	79.2	1.8	19
Recreation (Hotel)	3	3	43	22	22	Default	Default	Default	Default	Default	Default
General Office Building (Fire Station)	Default	Default	Default	Default	Default	Default	Default	Default	Default	Default	Default
2040 Future Growth Trip Generation Rate											
Land Use Subtype	Daily Trip Generation Rate[2]		Trip Length (miles)[2]			Trip Type (%)[4]			Trip Purpose (%)[5]		
	Weekday	Weekend	Commercial-Customer Trips (C-C)	Commercial-Work Trips (C-W)	Commercial-Nonwork Trips (C-NW)	Primary	Diverted	Pass-By	Commercial-Customer Trips(C-C)	Commercial-Work Trips (C-W)	Commercial-Nonwork Trips (C-NW)
Commercial User Defined (Organic Farm)	2	2	43	22	22	100	0	0	28	59	13
Residential (Single-Family)	10.47	9.86	Default	Default	Default	Default	Default	Default	Default	Default	Default
Recreation (City Park)	7.8	19.6	Default	Default	Default	Default	Default	Default	Default	Default	Default
Recreation User Defined (Community Center)	14.41	4.55	7.3	9.5	7.3	100	0	0	90	5	5
Commercial Medical Office Building (Tribal Medical Building)	17.4	4.285	7.3	9.5	7.3	100	0	0	Default	Default	Default

Commercial General Office Building (Tribe Admin)	8.095	0	Default	Default	Default	Default	Default	Default	Default	Default	Default

Notes:

Source: LLG TIS, 2019 (**Appendix D**) LLG, 2019; CalEEMod, 2016.

1 – Revised to include diverted link reduction of 10 percent (TIS, 2019).

2 - Average trip length for commercial workers and non-work trips based on distance from Bakersfield to project site. Average trip length for customer trips based on based on the primary market area as defined in **Appendix O**. Community center and tribal medical building trip lengths based on CalEEMod default value for Kern County trip length.

3 - Casino trip generation rate includes trips from casino, retail, ancillary, and restaurant uses.

4 - All Trip Type percentages, with exception of the Casino, are CalEEMod default values. The Casino Trip Type percentage conservatively assumes that all casino trips are primary due to the remote location of the casino.

5 - The Casino Trip Purpose percentage is based off of the Special Event Venue (Movie Theatre - No Matinee) CalEEMod default value based on similar recreational land use. The Organic Farm Trip Purpose percentage is based off of the General Light Industry CalEEMod default value. The Community Center Trip Purpose percentage is based off of the Place of Worship CalEEMod default value.

Table 4 – Energy Use

2023 Proposed Project Energy Use[1]					
Land Use Subtype	**Title-24 Electricity Energy Intensity (KWhr/size/yr)**	**Nontitle-24 Electricity Energy Intensity (KWhr/size/yr)**	**Lighting Energy Intensity (KWhr/size/yr)**	**Title-24 Natural Gas Intensity (KBtu/size/yr)[1]**	**Non-title-24 Natural Gas Intensity (KBtu/size/yr)[1]**
Commercial User Defined (Casino)[2]	0	7.45	0	0	1,240
Recreation User Defined (Hotel)	Default	Default	Default	Default	Default
Parking Lot	Default	Default	Default	Default	Default
General Office Building (Fire Station)	Default	Default	Default	Default	Default
2040 Future Growth Energy Use[1]					
Land Use Subtype	**Title-24 Electricity Energy Intensity (KWhr/size/yr)**	**Nontitle-24 Electricity Energy Intensity (KWhr/size/yr)**	**Lighting Energy Intensity (KWhr/size/yr)**	**Title-24 Natural Gas Intensity (KBtu/size/yr)[1]**	**Non-title-24 Natural Gas Intensity (KBtu/size/yr)[1]**
Commercial User Defined (Organic Farm)[3]	1.96	4.16	2.70	17	4
Residential (Single-Family)	Default	Default	Default	Default	Default
Recreation (City Park)	Default	Default	Default	Default	Default
Recreation User Defined (Community Center)[4]	1.96	4.16	2.70	17	4
Commercial Medical Office Building (Tribal Medical Building)	Default	Default	Default	Default	Default
Commercial General Office Building (Tribe Admin)	Default	Default	Default	Default	Default

Notes:
1 - The Proposed Project will use electricity and natural gas on-site.
2 – Casino energy use based on like projects.
3 – Organic Farm energy use based on General Light Industry default value.
4 – Community Center energy use based on Place of Worship default value.
Source: CalEEMod 2016.3.2; AES, 2019.

Table 5 – Off-Road Equipment Mitigation Inputs

2023 Proposed Project and 2040 Future Growth Off-Road Equipment Mitigation Inputs			
Equipment Type	**Engine Tier**	**Number of Equipment Mitigated**	**Diesel Particulate Filter (DPF) Level 2014**
Scrapers	No Change	0	No Change
All Other Equipment	Tier 3	All	3

Mitigation Measures

- The Tribe shall use Tier 3 construction equipment (with the exception of Tier 3 Scrapers, which are not widely available), using a minimum of 90 percent of the equipment's total horsepower, as well as construction equipment with Level 3 diesel particulate filters (DPF)
- The Tribe shall use soil stabilizer on unpaved roads.
- The Tribe shall apply water to exposed construction areas twice a day.
- The Tribe shall restrict vehicle speeds on the construction site to 15 miles per hour.
- The Tribe shall restrict construction vehicle idling to five minutes.
- The Tribe shall use energy efficient lighting
- The Tribe shall use reclaimed water for outdoor landscape irrigation (included as part of the Project Description; however, input as a mitigation measure for the purposes of CalEEMod).

References

California Energy Commission (CEC), 2015. California Electric Utility Service Areas. Available at: http://www.energy.ca.gov/maps/serviceareas/Electric_Service_Areas_Detail.pdf. Accessed May 15, 2019.

CalEEMod Inputs

Tejon Indian Tribe Trust Acquisition and Casino Project

Alternative B

Project-Specific Inputs for the Tejon Tribe Indian Trust Acquisition and Casino Project – Alternative B

Input	Type of Input	Project Specific Inputs		
		Proposed Project	Future Growth	Source/Notes
Project Name	Project Name	Tejon Indian Tribe Trust Acquisition and Casino Project	"	Project Description
Project Location	County	Kern County	"	Project Description
Climate zone	Climate Zone Number	3	"	Appendix F of CalEEMod User Guide, Climate Zones Lookup
Land Use Setting	Urban or Rural	Rural	"	Site and Vicinity Figure
Start of Construction	Date	June 2022	2030	Section 2 of the EIS
Operational Year	1st year of operation after full buildout.	2023	2032	Section 2 of the EIS
Utility Company	Utility Company Name	SCE	"	Section 2 of the EIS
Land Use Type and Subtype	Residential, Commercial, Recreation, etc.	See **Table 1.**	"	See **Table 1.**
Unit Amount	Size of Buildings or Number of units for each Land Use Type.	See **Table 1.**	"	See **Table 1.**
Lot Acreage	Acreage of each Land Use Type	See **Table 1.**	"	See **Table 1.**
Population	Population based on persons/household	Default	"	Default
Construction Phases	Type of construction phase (Demo, Site Prep, etc.) and beginning and ending dates	See **Table 2**.	"	See **Table 2**.
Off-Road Equipment	Type of equipment (Excavator, Dozer, etc.) and number of units per construction phase	See **Table 2**.	"	See **Table 2**.
Dust From Material Haul	Import/Export Material (Cu Yd or Tons)	Import: 6,375 Cu Yd	"	DPSI, 2019 Preliminary Grading, Drainage and Flood Impact Analysis
	Total Acres Graded	49.1	64.3	
Demolition	Sq ft or tons of Demo	0 sq ft	"	Google Earth, 2019
Construction Trip Gen Rate	Average number of one-way trips per day	Use Default Values	"	Defaults
Operational Trip Reductions	% reduction in trips.	10% Diverted Link	"	See **Table 3** (TIS, 2019)
Operational Trip Gen Rate and trip length	Trips and trip lengths	See **Table 3**.	"	See **Table 3**.
Area Sources	Hearths – # of wood-burning fireplaces, # of gas fireplaces, and # of units with no fireplace.	NA	"	No hearths are included in project design.

Input	Type of Input	Project Specific Inputs		
		Proposed Project	Future Growth	Source/Notes
	Landscape Equipment - % of equipment that is electric.	--	“	--
Energy Use	Project Specific Emission Factors.	See **Table 4**.	“	See **Table 4**.
Water and Wastewater	Indoor and outdoor water use for each Land Use Subtype in gallons per year.	See **Table 1.**	“	See **Table 1.**
Solid waste	Tons of solid waste generated per year	1,168 ton/year	1,230 ton/year	EIS Section 3.10 Table 3.10-3
	Land Fill No Gas Capture, Landfill Capture Gas Flare Rate	Default	“	CalEEMod 2016.3.2 Default
Operational off-road equipment	Excavator, Dozer, etc.	--	“	--
Stationary Sources	Emergency Generators/Fire Pumps	Three 2,923-Horsepower emergency gen/sets operating 500 hours per year Four 0.5-MMBtu/hr boilers operating 8760 hours per year	“	Based on like project emergency gen/set size and use.
Land Use Change	Vegetation land use type (cropland, etc.) and initial and final acreage	Initial Cropland: 118 acres Final Cropland: 61 acres	Initial Cropland: 61 acres Final Cropland: 30 acres	EIS Project Description Section 2
Sequestration	Type and net number of new trees added	Not Applicable	“	Insignificant increase in the number of trees on project site for modeling purposes

Project–Mitigation Inputs for the Tejon Indian Tribe Trust Acquisition and Casino Project – Alternative B

Mitigation Input Category	CAPCOA Mitigation Number	Include in Model? (yes/no)	Type of Input / Unit	Project Specific Inputs	
				Inputs	Source/Notes
Off-Road Equipment	C-1	Yes	Engine Type, DPF Level, and Oxidation Catalyst	See **Table 5.**	See **Table 5.**
Soil Stabilizer for Unpaved Roads	N/A	Yes	PM_{10} (% Reduction)	10%	Default % Reduction.
	N/A		$PM_{2.5}$ (% Reduction)	10%	Default % Reduction.
Water Exposed Area	N/A	Yes	Frequency (per day)	2 times per day	Default % Reduction.
	N/A		PM_{10} (% Reduction)	55%	Default % Reduction.
	N/A		$PM_{2.5}$ (% Reduction)	55%	Default % Reduction.
Replace Ground Cover of Area Disturbed	N/A	No	PM_{10} (% Reduction)	--	--
	N/A		$PM_{2.5}$ (% Reduction)	--	--
Unpaved Road Mitigation	N/A	No	Moisture Content (%)	--	--
	N/A	Yes	Vehicle Speed (mph)	15 mph	Section 2 of EIS, BMP A(4)
Type of Residential	N/A	No	Type of Residential	--	--
Increased Density	LUT-1	No	Dwelling Units/Acre	--	--
			Job/Job Acre	--	--
Increased Diversity	LUT-3	No	Yes or No	--	--
Improved Walkability Design	LUT-9	No	Intersections/Square Miles	--	--
Improve Destination Accessibility	LUT-4	No	Distance to Downtown/Job Ctr	--	--
Increased Transit Accessibility	LUT-5	No	Average Distance to Transit Station (miles)	--	--
Integrated Below Market Rate Housing	LUT-6	No	# Dwelling Units Below Market Rate	--	--
Improve Pedestrian Network	SDT-1	No	Yes or No; Project Site, Project Site and Connecting off-site, and Rural	--	--

Mitigation Input Category	CAPCOA Mitigation Number	Include in Model? (yes/no)	Type of Input / Unit	Project Specific Inputs	
				Inputs	Source/Notes
Provide Traffic Calming Measures	SDT-2	No	% Streets with Improvement	--	--
		No	% Intersections with Improvement	--	--
Implement Neighborhood Electric Vehicle (NEV) Network	SDT-3	No	% of streets equipped with NEV network.	--	--
Limit Parking Supply	PDT-1	No	% Reduction in Spaces	--	--
Unbundled Parking Costs	PDT-2	No	Monthly Parking Costs ($)	--	--
On-Street Market Pricing	PDT-3	No	% Increase in Price	--	--
Provide a Bus Rapid Transit System	TST-1	No	% Lines BRT	--	Assuming no shuttle services
Expand Transit Network	TST-3	No	% Increase Transit Coverage	--	--
Increase Transit Frequency	TST-4	No	Level of Implementation	--	--
		No	% Reduction in Headways	--	--
Implement Trip Reduction Program	TRT-1, TRT-2	No	% employee eligible	--	--
		No	Program Type	--	--
Transit Subsidy	TRT-4	No	% employee eligible	--	--
		No	Daily Transit Subsidy Amount ($)	--	--
Implement Employee Parking “Cash-Out”	TRT-15	No	% employee eligible	--	--
Workplace Parking Charge	TRT-14	No	% employee eligible	--	--
		No	Daily Parking Charge ($)	--	--
Encourage Telecommuting and Alternative Work Schedules	TRT-6	No	% employee work 9/80	--	--
		No	% employee work 4/40	--	--
		No	% employee telecommute 1.5 days	--	--

Mitigation Input Category	CAPCOA Mitigation Number	Include in Model? (yes/no)	Type of Input / Unit	Project Specific Inputs	
				Inputs	Source/Notes
Market Commute Trip Reduction Option	TRT-7	No	% employee eligible	--	--
Employee Vanpool/Shuttle	TRT-11	No	% employee eligible	--	--
		No	% vanpool mode share	--	--
Provide Ride Sharing Program	TRT-3	No	% employee eligible	--	--
Implement School Bus Program	TRT-13	No	% family using	--	--
Only Natural Gas Hearth	N/A	No	Yes or No	--	--
No hearth	N/A	No	Yes or No	--	--
Use of Low VOC Cleaning Supplies	N/A	No	Yes or No	--	--
Use low VOC Paint (Residential Interior)	N/A	Yes	Emission Factor (EF) (g/l)	150	SJVAPCD amendment to Rule 4601 Architectural Coatings (based on Nonflat High Gloss Coating)
Use low VOC Paint (Residential Exterior)	N/A	Yes	EF (g/l)	150	SJVAPCD amendment to Rule 4601 Architectural Coatings (based on Nonflat High Gloss Coating)
Use low VOC Paint (Non-residential Interior)	N/A	Yes	EF (g/l)	150	SJVAPCD amendment to Rule 4601 Architectural Coatings (based on Nonflat High Gloss Coating)
Use low VOC Paint (Non-residential Exterior)	N/A	Yes	EF (g/l)	150	SJVAPCD amendment to Rule 4601 Architectural Coatings (based on Nonflat High Gloss Coating)
Electric Lawnmower	A-1	No	Percent of equipment type that will be electric.	--	--
Electric Leafblower	A-1	No	Percent of equipment type that will be electric.	--	--
Electric Chainsaw	A-1	No	Percent of equipment type that will be electric.	--	--
Exceed Title 24	BE-1	No	Percentage improvement selected for the Project.	--	--

Mitigation Input Category	CAPCOA Mitigation Number	Include in Model? (yes/no)	Type of Input / Unit	Project Specific Inputs	
				Inputs	Source/Notes
Install High Efficiently Lighting	LE-1	Yes	% Lighting Energy Reduction	16	Default % reduction assuming implementation of Recommended Mitigation
On-site Renewable Energy	AE-1, AE-2, AE-3	No	kWh Generated	--	--
		No	% of Electricity Use Generated	--	--
Energy Efficient Appliances	BE-4	Yes	Appliance Type, Land Use Subtype, % Improvement	Use Default Values	Defaults
Apply Water Conservation Strategy	WUW-2	No	% Reduction Indoor	--	--
		No	% Reduction Outdoor	--	--
Use Reclaimed Water	WSW-1	No	% Indoor Water Use	--	--
		Yes	% Outdoor Water Use	100%	
Use Grey Water	WSW-2	No	% Indoor Water Use	--	--
		No	% Outdoor Water Use	--	--
Install Low-Flow Bathroom Faucet	WUW-1	Yes	% Reduction in flow	32%	Default % reduction assuming implementation of Recommended Mitigation
Install Low-flow Kitchen Faucet	WUW-1	Yes	% Reduction in flow	18%	Default % reduction assuming implementation of Recommended Mitigation.
Install Low-flow Toilet	WUW-1	Yes	% Reduction in flow	20%	Default % reduction assuming implementation of Recommended Mitigation
Install Low-flow Shower	WUW-1	Yes	% Reduction in flow	20%	Default % reduction assuming implementation of Recommended Mitigation
Turf Reduction	WUW-5	No	Turf Reduction Area (sqft)	--	--
		No	% Reduction turf	--	--
Use Water-Efficient Irrigation Systems	WUW-4	No	% Reduction	--	--
Water Efficient Landscape	WUW-3	No	Maximum Applied Water Allowance (MAWA) (gal/yr)	--	--

Mitigation Input Category	CAPCOA Mitigation Number	Include in Model? (yes/no)	Type of Input / Unit	Project Specific Inputs	
				Inputs	Source/Notes
		No	Estimated Total Water Use (ETWU) (gal/yr)	--	--
Institute Recycling and Composting Service	SW-1	Yes	% Reduction in Waste Disposal	50%	Tribe will use County facilities which are required to divert 50 percent of waste from landfills

Table 1 – Land Use Inputs[1]

2023 Proposed Project Land Use Inputs							
Land Use Type	**Land Use Subtype**	**Unit Amount**	**Size Metric**	**Lot Acreage**	**Square Feet**	**Indoor Water Demand (gal/yr)[2]**	**Outdoor Water Demand (gal/yr)[2]**
Recreation[a]	User Defined (Casino)	166.5	ksf	57	489,800	31,509,720	4,726,458
Recreation[b]	Hotel	400	rooms	0	226,000	17,520,000	2,628,000
Recreation[c]	User Defined (RV Park)	5	acres	0	217,800	1,642,500	246,375
Parking[d]	Parking Lot and Structure	4,500	spaces	0	1,524,600	0	0
Commercial	General Office Building (Fire Station)	10	ksf	0	10,000	271,560	40,734
2040 Future Growth Land Use Inputs							
Land Use Type	**Land Use Subtype**	**Unit Amount**	**Size Metric**	**Lot Acreage**	**Square Feet**	**Indoor Water Demand (gal/yr)[2]**	**Outdoor Water Demand (gal/yr)[2]**
Commercial	Organic Farm (User Defined)	30	acres	30	1,306,800	0	21,900,000
Residential	Single-Family Residences	15	dwelling units	16	36,000[e]	3,547,800	0
Recreation	City Park	2.5	acres	2.5	108,900	0	1,181,688
Recreation	User Defined (Community Center)	9	ksf	2.1	9,000	315,360	47,304
Commercial	User Defined (Health Center)	9	ksf	2.1	9,000	315,360	47,304
Commercial	General Office Building (Tribe Admin)	12	ksf	2.8	12,000	420,480	63,072

Notes:
ksf = 1,000 square feet
1 - Source: Section 2, Project Description.
2 - Source: Water and Sewer Study by Dexter Wilson Engineering dated April 2019 (DWE, 2019); calculations based on Table 2-3; total calculated using Average Day Demand (GPD) for the Proposed Project.
a - Includes: Gaming Areas + Restaurants + Entertainment and Retail + Meeting Rooms + Pool + Spa and Fitness + Back of House
b – Total number of rooms
c – Total RV Park area
d - Parking structure disturbed area and lots.
e – Based on 15 single family homes at 2,400 sqft.

Table 2 – Construction Equipment Usage

2023 Proposed Project Equipment Usage						
Equipment	**Construction Phase Activities**					
	Demolition (6/1/22 – 6/20/22)	**Site Preparation (6/1/22 – 7/19/22)**	**Grading (7/20/22 – 9/23/22)**	**Construction (9/24/22 – 12/19/23)**	**Paving (6/1/23 – 11/3/23)**	**Architectural Coating (12/19/22 – 12/29/23)**
All Heavy Equipment	Default	Default	Default	Default	Default	Default
Worker Trips	Default	Default	Default	Default	Default	Default
Soil Haul Trips	Default	Default	Default	Default	Default	Default
Soil Haul	Default	Default	Default	Default	Default	Default
Total Days	14	35	48	322	112	270
2040 Future Growth Equipment Usage						
Equipment	**Construction Phase Activities**					
	Demolition (1/1/30 – 1/18/30)	**Site Preparation (1/1/30 – 2/18/30)**	**Grading (2/19/30 – 4/25/30)**	**Construction (4/26/30 – 11/6/31)**	**Paving (1/1/31 – 6/5/31)**	**Architectural Coating (7/21/30 – 11/21/31)**
All Heavy Equipment	Default	Default	Default	Default	Default	Default
Worker Trips	Default	Default	Default	Default	Default	Default
Soil Haul Trips	Default	Default	Default	Default	Default	Default
Total Days	14	35	48	400	112	350

Source: CalEEMod 2016.3.2; AES, 2019.

Table 3 - Trip Generation Rates

2023 Proposed Project Trip Generation Rate											
Land Use Subtype	Daily Trip Generation Rate[1]		Trip Length (miles)[2]			Trip Type (%)[4]			Trip Purpose (%)[5]		
	Weekday	Weekend	Commercial-Customer Trips (C-C)	Commercial-Work Trips (C-W)	Commercial-Nonwork Trips (C-NW)	Primary	Diverted	Pass-By	Commercial-Customer Trips(C-C)	Commercial-Work Trips (C-W)	Commercial-Nonwork Trips (C-NW)
Recreation User Defined (Casino)	44.18	73.22	43	22	22	100	0	0	79.2	1.8	19
Recreation (Hotel)	3	3	43	22	22	Default	Default	Default	Default	Default	Default
Recreation User Defined (RV Park)	7	10	43	22	22	100	0	0	62	19	19
General Office Building (Fire Station)	Default	Default	Default	Default	Default	Default	Default	Default	Default	Default	Default
2040 Future Growth Trip Generation Rate											
Land Use Subtype	Daily Trip Generation Rate[1]		Trip Length (miles)[2]			Trip Type (%)[4]			Trip Purpose (%)[5]		
	Weekday	Weekend	Commercial-Customer Trips (C-C)	Commercial-Work Trips (C-W)	Commercial-Nonwork Trips (C-NW)	Primary	Diverted	Pass-By	Commercial-Customer Trips(C-C)	Commercial-Work Trips (C-W)	Commercial-Nonwork Trips (C-NW)
Commercial User Defined (Organic Farm)	2	2	43	22	22	100	0	0	28	59	13
Residential (Single-Family)	12.13	11	Default	Default	Default	Default	Default	Default	Default	Default	Default
Recreation (City Park)	7.8	19.6	Default	Default	Default	Default	Default	Default	Default	Default	Default
Recreation User Defined (Community Center)	14.41	4.55	7.3	9.5	7.3	100	0	0	75	15	10
Commercial User Defined (Health Center)	17.4	4.285	7.3	9.5	7.3	100	0	0	90	5	5

Commercial General Office Building (Tribe Admin)	8.095	0	Default	Default	Default	Default	Default	Default	Default	Default	Default

Notes:

Source: LLG TIS, 2019 (**Appendix D**) LLG, 2019; CalEEMod, 2016.

1 – Revised to include diverted link reduction of 10 percent (TIS, 2019).

2 - Average trip length for commercial workers and non-work trips based on distance from Bakersfield to project site. Average trip length for customer trips based on based on the primary market area as defined in **Appendix O**. Community center and tribal medical building trip lengths based on CalEEMod default value for Kern County trip length.

3 - Casino trip generation rate includes trips from casino, retail, ancillary, and restaurant uses.

4 - All Trip Type percentages, with exception of the Casino, are CalEEMod default values. The Casino Trip Type percentage conservatively assumes that all casino trips are primary due to the remote location of the casino.

5 - The Casino Trip Purpose percentage is based off of the Special Event Venue (Movie Theatre - No Matinee) CalEEMod default value based on similar recreational land use. The RV Park Trip Purpose percentage is based off of the Motel CalEEMod default value. The Organic Farm Trip Purpose percentage is based off of the General Light Industry CalEEMod default value. The Community Center Trip Purpose percentage is based off of the Place of Worship CalEEMod default value.

Table 4 – Energy Use

2023 Proposed Project Energy Use					
Land Use Subtype	**Title-24 Electricity Energy Intensity (KWhr/size/yr)**	**Nontitle-24 Electricity Energy Intensity (KWhr/size/yr)**	**Lighting Energy Intensity (KWhr/size/yr)**	**Title-24 Natural Gas Intensity (KBtu/size/yr)[1]**	**Non-title-24 Natural Gas Intensity (KBtu/size/yr)[1]**
Commercial User Defined (Casino)[2]	0	7.45	0	0	1,240
Recreation User Defined (Hotel)	Default	Default	Default	Default	Default
Recreation User Defined (RV Park)[3]	0.413	0.23	0.151	1.8	0.7
Parking Lot	Default	Default	Default	Default	Default
General Office Building (Fire Station)	Default	Default	Default	Default	Default
2040 Future Growth Energy Use					
Land Use Subtype	**Title-24 Electricity Energy Intensity (KWhr/size/yr)**	**Nontitle-24 Electricity Energy Intensity (KWhr/size/yr)**	**Lighting Energy Intensity (KWhr/size/yr)**	**Title-24 Natural Gas Intensity (KBtu/size/yr)[1]**	**Non-title-24 Natural Gas Intensity (KBtu/size/yr)[1]**
Commercial User Defined (Organic Farm)	1.96	4.16	2.70	17	4
Residential (Single-Family)	Default	Default	Default	Default	Default
Recreation (City Park)	Default	Default	Default	Default	Default
Recreation User Defined (Community Center)	1.96	4.16	2.70	17	4
Commercial User Defined (Health Center)	Default	Default	Default	Default	Default
Commercial General Office Building (Tribe Admin)	Default	Default	Default	Default	Default

Notes:
1 - The Proposed Project will use electricity and natural gas on-site.
2 – Casino energy use based on like projects.
3 – RV Park energy use based on 10 percent of hotel energy use.
4 – Organic Farm energy use based on General Light Industry default value.
5 – Community Center energy use based on Place of Worship default value.
Source: CalEEMod 2016.3.2; AES, 2019.

Table 5 – Off-Road Equipment Mitigation Inputs

2023 Proposed Project and 2040 Future Growth Off-Road Equipment Mitigation Inputs			
Equipment Type	**Engine Tier**	**Number of Equipment Mitigated**	**Diesel Particulate Filter (DPF) Level 2014**
Scrapers	No Change	0	No Change
All Other Equipment	Tier 3	All	3

Mitigation Measures

- The Tribe shall use Tier 3 construction equipment (with the exception of Tier 3 Scrapers, which are not widely available), using a minimum of 90 percent of the equipment's total horsepower, as well as construction equipment with Level 3 diesel particulate filters (DPF)
- The Tribe shall use soil stabilizer on unpaved roads.
- The Tribe shall apply water to exposed construction areas twice a day.
- The Tribe shall restrict vehicle speeds on the construction site to 15 miles per hour.
- The Tribe shall restrict construction vehicle idling to five minutes.
- The Tribe shall use energy efficient lighting
- The Tribe shall use reclaimed water for outdoor landscape irrigation (included as part of the Project Description; however, input as a mitigation measure for the purposes of CalEEMod).

References

California Energy Commission (CEC), 2015. California Electric Utility Service Areas. Available at: http://www.energy.ca.gov/maps/serviceareas/Electric_Service_Areas_Detail.pdf. Accessed August 15, 2018.

REFINED CALEEMOD OUTPUT FILES

Tejon Alternative A1

Kern-San Joaquin County, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Office Building	10.00	1000sqft	0.00	10,000.00	0
User Defined Commercial	166.50	User Defined Unit	77.00	489,800.00	0
Parking Lot	4,500.00	Space	0.00	1,524,600.00	0
Hotel	400.00	Room	0.00	226,000.00	0
User Defined Recreational	22.00	User Defined Unit	0.00	958,320.00	0

1.2 Other Project Characteristics

Urbanization	Rural	**Wind Speed (m/s)**	2.7	**Precipitation Freq (Days)**	32
Climate Zone	3			**Operational Year**	2023
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	702.44	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - CalEEMod table

Construction Phase - CalEEMod table

Off-road Equipment -

Off-road Equipment -

Off-road Equipment -

Off-road Equipment -

Off-road Equipment -

Off-road Equipment -

Trips and VMT - CalEEMod table

Demolition -

Grading - DPSI

Architectural Coating - RV Park square footage included in Parking Area

Vehicle Trips - CalEEMod Table 3

Area Coating - RV parking area included in parking square footage

Energy Use - CalEEMod Table 4

Water And Wastewater - CalEEMod Table 1

Solid Waste - CalEEMod table

Land Use Change -

Construction Off-road Equipment Mitigation - CalEEMod table

Mobile Land Use Mitigation -

Area Mitigation -

Energy Mitigation -

Water Mitigation -

Waste Mitigation -

Stationary Sources - Emergency Generators and Fire Pumps -

Stationary Sources - Process Boilers -

Stationary Sources - User Defined -

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	ConstArea_Nonresidential_Exterior	842,060.00	362,900.00
tblArchitecturalCoating	ConstArea_Nonresidential_Interior	2,526,180.00	1,088,700.00
tblArchitecturalCoating	ConstArea_Parking	91,476.00	148,975.00

tblAreaCoating	Area_Nonresidential_Exterior	842060	362900
tblAreaCoating	Area_Nonresidential_Interior	2526180	1088700
tblAreaCoating	Area_Parking	91476	148975
tblAreaMitigation	UseLowVOCPaintParkingCheck	False	True
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	15
tblConstEquipMitigation	DPF	No Change	Level 3
tblConstEquipMitigation	DPF	No Change	Level 3
tblConstEquipMitigation	DPF	No Change	Level 3
tblConstEquipMitigation	DPF	No Change	Level 3
tblConstEquipMitigation	DPF	No Change	Level 3
tblConstEquipMitigation	DPF	No Change	Level 3
tblConstEquipMitigation	DPF	No Change	Level 3
tblConstEquipMitigation	DPF	No Change	Level 3
tblConstEquipMitigation	DPF	No Change	Level 3
tblConstEquipMitigation	DPF	No Change	Level 3
tblConstEquipMitigation	DPF	No Change	Level 3
tblConstEquipMitigation	DPF	No Change	Level 3
tblConstEquipMitigation	DPF	No Change	Level 3
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	5.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	3.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00

tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	6.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	9.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstructionPhase	NumDays	110.00	270.00
tblConstructionPhase	NumDays	1,550.00	322.00
tblConstructionPhase	NumDays	100.00	14.00
tblConstructionPhase	NumDays	155.00	48.00
tblConstructionPhase	NumDays	110.00	112.00
tblConstructionPhase	NumDays	60.00	35.00
tblEnergyUse	LightingElect	0.00	0.15
tblEnergyUse	NT24E	0.00	7.45
tblEnergyUse	NT24E	0.00	0.23
tblEnergyUse	NT24NG	0.00	1,240.00

tblEnergyUse	NT24NG	0.00	0.70
tblEnergyUse	T24E	0.00	0.41
tblEnergyUse	T24NG	0.00	1.80
tblGrading	AcresOfGrading	120.00	77.00
tblGrading	MaterialImported	0.00	419,405.00
tblLandUse	LandUseSquareFeet	0.00	489,800.00
tblLandUse	LandUseSquareFeet	1,800,000.00	1,524,600.00
tblLandUse	LandUseSquareFeet	580,800.00	226,000.00
tblLandUse	LandUseSquareFeet	0.00	958,320.00
tblLandUse	LotAcreage	0.23	0.00
tblLandUse	LotAcreage	0.00	77.00
tblLandUse	LotAcreage	40.50	0.00
tblLandUse	LotAcreage	13.33	0.00
tblProjectCharacteristics	UrbanizationLevel	Urban	Rural
tblSolidWaste	SolidWasteGenerationRate	9.30	0.00
tblSolidWaste	SolidWasteGenerationRate	219.00	0.00
tblSolidWaste	SolidWasteGenerationRate	0.00	1,241.00
tblStationaryBoilersUse	AnnualHeatInput	0.00	8,760.00
tblStationaryBoilersUse	BoilerRatingValue	0.00	0.50
tblStationaryBoilersUse	NumberOfEquipment	0.00	4.00
tblStationaryGeneratorsPumpsEF	CH4_EF	0.07	0.07
tblStationaryGeneratorsPumpsEF	ROG_EF	2.2480e-003	2.2477e-003
tblStationaryGeneratorsPumpsUse	HorsePowerValue	0.00	2,923.00
tblStationaryGeneratorsPumpsUse	HoursPerYear	0.00	500.00
tblStationaryGeneratorsPumpsUse	NumberOfEquipment	0.00	3.00
tblVehicleTrips	CC_TL	6.60	43.00
tblVehicleTrips	CC_TL	6.60	43.00

tblVehicleTrips	CC_TL	6.60	43.00
tblVehicleTrips	CC_TL	6.60	43.00
tblVehicleTrips	CC_TTP	0.00	79.20
tblVehicleTrips	CC_TTP	0.00	62.00
tblVehicleTrips	CNW_TL	6.60	22.00
tblVehicleTrips	CNW_TL	6.60	22.00
tblVehicleTrips	CNW_TL	6.60	22.00
tblVehicleTrips	CNW_TL	6.60	22.00
tblVehicleTrips	CNW_TTP	0.00	19.00
tblVehicleTrips	CNW_TTP	0.00	19.00
tblVehicleTrips	CW_TL	14.70	22.00
tblVehicleTrips	CW_TL	14.70	22.00
tblVehicleTrips	CW_TL	14.70	22.00
tblVehicleTrips	CW_TL	14.70	22.00
tblVehicleTrips	CW_TTP	0.00	1.80
tblVehicleTrips	CW_TTP	0.00	19.00
tblVehicleTrips	PR_TP	0.00	100.00
tblVehicleTrips	PR_TP	0.00	100.00
tblVehicleTrips	ST_TR	8.19	3.00
tblVehicleTrips	ST_TR	0.00	73.22
tblVehicleTrips	ST_TR	0.00	10.00
tblVehicleTrips	SU_TR	5.95	3.00
tblVehicleTrips	SU_TR	0.00	73.22
tblVehicleTrips	SU_TR	0.00	10.00
tblVehicleTrips	WD_TR	8.17	3.00
tblVehicleTrips	WD_TR	0.00	44.18
tblVehicleTrips	WD_TR	0.00	7.50

tblWater	IndoorWaterUseRate	1,777,337.48	271,560.00
tblWater	IndoorWaterUseRate	10,146,708.00	17,520,000.00
tblWater	IndoorWaterUseRate	0.00	31,509,720.00
tblWater	IndoorWaterUseRate	0.00	7,227,000.00
tblWater	OutdoorWaterUseRate	1,089,335.87	40,734.00
tblWater	OutdoorWaterUseRate	1,127,412.00	2,628,000.00
tblWater	OutdoorWaterUseRate	0.00	4,726,458.00
tblWater	OutdoorWaterUseRate	0.00	1,084,050.00

2.0 Emissions Summary

2.1 Overall Construction

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2022	0.8837	10.3472	4.5610	0.0346	1.6954	0.1305	1.8259	0.5779	0.1216	0.6995	0.0000	3,234.2426	3,234.2426	0.2403	0.0000	3,240.2501
2023	6.6276	8.2272	9.7881	0.0445	2.8834	0.1461	3.0295	0.7750	0.1372	0.9122	0.0000	4,078.4755	4,078.4755	0.2379	0.0000	4,084.4217
Maximum	**6.6276**	**10.3472**	**9.7881**	**0.0445**	**2.8834**	**0.1461**	**3.0295**	**0.7750**	**0.1372**	**0.9122**	**0.0000**	**4,078.4755**	**4,078.4755**	**0.2403**	**0.0000**	**4,084.4217**

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2022	0.7666	9.8717	4.8022	0.0346	1.4025	0.0533	1.4558	0.4337	0.0507	0.4844	0.0000	3,234.2423	3,234.2423	0.2403	0.0000	3,240.2498
2023	6.4708	8.2760	10.1481	0.0445	2.8834	0.0442	2.9276	0.7750	0.0428	0.8178	0.0000	4,078.4750	4,078.4750	0.2379	0.0000	4,084.4212
Maximum	**6.4708**	**9.8717**	**10.1481**	**0.0445**	**2.8834**	**0.0533**	**2.9276**	**0.7750**	**0.0507**	**0.8178**	**0.0000**	**4,078.4750**	**4,078.4750**	**0.2403**	**0.0000**	**4,084.4212**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**3.65**	**2.30**	**-4.19**	**0.00**	**6.40**	**64.75**	**9.72**	**10.66**	**63.88**	**19.21**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
1	**6-1-2022**	**8-31-2022**	5.4456	4.9946
2	**9-1-2022**	**11-30-2022**	4.4362	4.3232
3	**12-1-2022**	**2-28-2023**	3.4819	3.4302
4	**3-1-2023**	**5-31-2023**	3.6718	3.6345
5	**6-1-2023**	**8-31-2023**	4.0378	4.0213
6	**9-1-2023**	**9-30-2023**	1.3167	1.3113
		Highest	5.4456	4.9946

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	7.2366	4.3000e-004	0.0468	0.0000		1.7000e-004	1.7000e-004		1.7000e-004	1.7000e-004	0.0000	0.0911	0.0911	2.4000e-004	0.0000	0.0971
Energy	3.3192	30.1746	25.3467	0.1811		2.2933	2.2933		2.2933	2.2933	0.0000	35,023.4405	35,023.4405	0.7194	0.6208	35,226.4242
Mobile	7.9162	81.6636	120.2410	0.7966	52.6031	0.4596	53.0626	14.1494	0.4315	14.5809	0.0000	74,067.5281	74,067.5281	2.1258	0.0000	74,120.6725
Stationary	3.6397	16.9994	9.7989	0.0455		0.6544	0.6544		0.5605	0.5605	0.0000	4,507.8453	4,507.8453	0.2586	0.0000	4,514.3104
Waste						0.0000	0.0000		0.0000	0.0000	251.9118	0.0000	251.9118	14.8876	0.0000	624.1008
Water						0.0000	0.0000		0.0000	0.0000	17.9338	106.9140	124.8478	1.8464	0.0444	184.2406
Total	**22.1117**	**128.8381**	**155.4334**	**1.0231**	**52.6031**	**3.4074**	**56.0105**	**14.1494**	**3.2855**	**17.4348**	**269.8456**	**113,705.8190**	**113,975.6646**	**19.8380**	**0.6652**	**114,669.8455**

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	7.2366	4.3000e-004	0.0468	0.0000		1.7000e-004	1.7000e-004		1.7000e-004	1.7000e-004	0.0000	0.0911	0.0911	2.4000e-004	0.0000	0.0971
Energy	3.3192	30.1746	25.3467	0.1811		2.2933	2.2933		2.2933	2.2933	0.0000	34,970.0233	34,970.0233	0.7172	0.6204	35,172.8159
Mobile	7.9162	81.6636	120.2410	0.7966	52.6031	0.4596	53.0626	14.1494	0.4315	14.5809	0.0000	74,067.5281	74,067.5281	2.1258	0.0000	74,120.6725
Stationary	3.6397	16.9994	9.7989	0.0455		0.6544	0.6544		0.5605	0.5605	0.0000	4,507.8453	4,507.8453	0.2586	0.0000	4,514.3104
Waste						0.0000	0.0000		0.0000	0.0000	125.9559	0.0000	125.9559	7.4438	0.0000	312.0504
Water						0.0000	0.0000		0.0000	0.0000	14.3471	83.6400	97.9871	1.4770	0.0355	145.4946
Total	**22.1117**	**128.8381**	**155.4334**	**1.0231**	**52.6031**	**3.4074**	**56.0105**	**14.1494**	**3.2855**	**17.4348**	**140.3029**	**113,629.1278**	**113,769.4308**	**12.0226**	**0.6559**	**114,265.4408**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**48.01**	**0.07**	**0.18**	**39.40**	**1.41**	**0.35**

2.3 Vegetation

Vegetation

	CO2e
Category	MT
Vegetation Land Change	-682.0000
Total	**-682.0000**

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	6/1/2022	6/20/2022	5	14	
2	Site Preparation	Site Preparation	6/1/2022	7/19/2022	5	35	
3	Grading	Grading	7/20/2022	9/23/2022	5	48	
4	Building Construction	Building Construction	9/24/2022	12/19/2023	5	322	
5	Architectural Coating	Architectural Coating	12/19/2022	12/29/2023	5	270	
6	Paving	Paving	6/1/2023	11/3/2023	5	112	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 77

Acres of Paving: 0

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 1,088,700; Non-Residential Outdoor: 362,900; Striped Parking Area: 148,975 (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	Excavators	3	8.00	158	0.38
Demolition	Rubber Tired Dozers	2	8.00	247	0.40
Site Preparation	Rubber Tired Dozers	3	8.00	247	0.40
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Grading	Excavators	2	8.00	158	0.38
Grading	Graders	1	8.00	187	0.41
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Grading	Scrapers	2	8.00	367	0.48
Grading	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Building Construction	Cranes	1	7.00	231	0.29
Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45
Architectural Coating	Air Compressors	1	6.00	78	0.48
Paving	Pavers	2	8.00	130	0.42
Paving	Paving Equipment	2	8.00	132	0.36
Paving	Rollers	2	8.00	80	0.38

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	6	15.00	0.00	346.00	16.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	7	18.00	0.00	0.00	16.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Grading	8	20.00	0.00	52,426.00	16.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	1,298.00	526.00	0.00	16.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	260.00	0.00	0.00	16.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	16.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Use Cleaner Engines for Construction Equipment

Use DPF for Construction Equipment

Use Soil Stabilizer

Water Exposed Area

Reduce Vehicle Speed on Unpaved Roads

3.2 Demolition - 2022

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	0.0185	0.1800	0.1442	2.7000e-004		8.7000e-003	8.7000e-003		8.0900e-003	8.0900e-003	0.0000	23.7932	23.7932	6.6800e-003	0.0000	23.9602
Total	**0.0185**	**0.1800**	**0.1442**	**2.7000e-004**		**8.7000e-003**	**8.7000e-003**		**8.0900e-003**	**8.0900e-003**	**0.0000**	**23.7932**	**23.7932**	**6.6800e-003**	**0.0000**	**23.9602**

3.2 Demolition - 2022

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	1.2000e-003	0.0400	6.3400e-003	1.4000e-004	2.9800e-003	1.1000e-004	3.1000e-003	8.2000e-004	1.1000e-004	9.3000e-004	0.0000	12.9321	12.9321	6.9000e-004	0.0000	12.9494
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	4.8000e-004	3.2000e-004	3.2800e-003	1.0000e-005	1.3200e-003	1.0000e-005	1.3200e-003	3.5000e-004	1.0000e-005	3.6000e-004	0.0000	1.1113	1.1113	2.0000e-005	0.0000	1.1119
Total	**1.6800e-003**	**0.0404**	**9.6200e-003**	**1.5000e-004**	**4.3000e-003**	**1.2000e-004**	**4.4200e-003**	**1.1700e-003**	**1.2000e-004**	**1.2900e-003**	**0.0000**	**14.0434**	**14.0434**	**7.1000e-004**	**0.0000**	**14.0613**

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	6.4700e-003	0.1282	0.1727	2.7000e-004		9.1000e-004	9.1000e-004		9.1000e-004	9.1000e-004	0.0000	23.7931	23.7931	6.6800e-003	0.0000	23.9602
Total	**6.4700e-003**	**0.1282**	**0.1727**	**2.7000e-004**		**9.1000e-004**	**9.1000e-004**		**9.1000e-004**	**9.1000e-004**	**0.0000**	**23.7931**	**23.7931**	**6.6800e-003**	**0.0000**	**23.9602**

3.2 Demolition - 2022

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	1.2000e-003	0.0400	6.3400e-003	1.4000e-004	2.9800e-003	1.1000e-004	3.1000e-003	8.2000e-004	1.1000e-004	9.3000e-004	0.0000	12.9321	12.9321	6.9000e-004	0.0000	12.9494
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	4.8000e-004	3.2000e-004	3.2800e-003	1.0000e-005	1.3200e-003	1.0000e-005	1.3200e-003	3.5000e-004	1.0000e-005	3.6000e-004	0.0000	1.1113	1.1113	2.0000e-005	0.0000	1.1119
Total	**1.6800e-003**	**0.0404**	**9.6200e-003**	**1.5000e-004**	**4.3000e-003**	**1.2000e-004**	**4.4200e-003**	**1.1700e-003**	**1.2000e-004**	**1.2900e-003**	**0.0000**	**14.0434**	**14.0434**	**7.1000e-004**	**0.0000**	**14.0613**

3.3 Site Preparation - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.3162	0.0000	0.3162	0.1738	0.0000	0.1738	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0555	0.5790	0.3447	6.7000e-004		0.0282	0.0282		0.0260	0.0260	0.0000	58.5189	58.5189	0.0189	0.0000	58.9921
Total	**0.0555**	**0.5790**	**0.3447**	**6.7000e-004**	**0.3162**	**0.0282**	**0.3444**	**0.1738**	**0.0260**	**0.1998**	**0.0000**	**58.5189**	**58.5189**	**0.0189**	**0.0000**	**58.9921**

3.3 Site Preparation - 2022

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.4500e-003	9.7000e-004	9.8400e-003	4.0000e-005	3.9500e-003	3.0000e-005	3.9700e-003	1.0500e-003	2.0000e-005	1.0700e-003	0.0000	3.3339	3.3339	7.0000e-005	0.0000	3.3357
Total	**1.4500e-003**	**9.7000e-004**	**9.8400e-003**	**4.0000e-005**	**3.9500e-003**	**3.0000e-005**	**3.9700e-003**	**1.0500e-003**	**2.0000e-005**	**1.0700e-003**	**0.0000**	**3.3339**	**3.3339**	**7.0000e-005**	**0.0000**	**3.3357**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.1423	0.0000	0.1423	0.0782	0.0000	0.0782	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0163	0.3337	0.4018	6.7000e-004		2.4800e-003	2.4800e-003		2.4800e-003	2.4800e-003	0.0000	58.5189	58.5189	0.0189	0.0000	58.9920
Total	**0.0163**	**0.3337**	**0.4018**	**6.7000e-004**	**0.1423**	**2.4800e-003**	**0.1448**	**0.0782**	**2.4800e-003**	**0.0807**	**0.0000**	**58.5189**	**58.5189**	**0.0189**	**0.0000**	**58.9920**

3.3 Site Preparation - 2022

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.4500e-003	9.7000e-004	9.8400e-003	4.0000e-005	3.9500e-003	3.0000e-005	3.9700e-003	1.0500e-003	2.0000e-005	1.0700e-003	0.0000	3.3339	3.3339	7.0000e-005	0.0000	3.3357
Total	**1.4500e-003**	**9.7000e-004**	**9.8400e-003**	**4.0000e-005**	**3.9500e-003**	**3.0000e-005**	**3.9700e-003**	**1.0500e-003**	**2.0000e-005**	**1.0700e-003**	**0.0000**	**3.3339**	**3.3339**	**7.0000e-005**	**0.0000**	**3.3357**

3.4 Grading - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.2163	0.0000	0.2163	0.0885	0.0000	0.0885	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0870	0.9322	0.6970	1.4900e-003		0.0392	0.0392		0.0361	0.0361	0.0000	130.8830	130.8830	0.0423	0.0000	131.9413
Total	**0.0870**	**0.9322**	**0.6970**	**1.4900e-003**	**0.2163**	**0.0392**	**0.2556**	**0.0885**	**0.0361**	**0.1246**	**0.0000**	**130.8830**	**130.8830**	**0.0423**	**0.0000**	**131.9413**

3.4 Grading - 2022

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	0.1816	6.0656	0.9601	0.0206	0.4520	0.0174	0.4694	0.1242	0.0166	0.1408	0.0000	1,959.4759	1,959.4759	0.1048	0.0000	1,962.0949
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.2100e-003	1.4700e-003	0.0150	6.0000e-005	6.0100e-003	4.0000e-005	6.0500e-003	1.6000e-003	4.0000e-005	1.6300e-003	0.0000	5.0803	5.0803	1.1000e-004	0.0000	5.0830
Total	**0.1838**	**6.0671**	**0.9751**	**0.0207**	**0.4580**	**0.0174**	**0.4754**	**0.1258**	**0.0167**	**0.1425**	**0.0000**	**1,964.5562**	**1,964.5562**	**0.1049**	**0.0000**	**1,967.1779**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0973	0.0000	0.0973	0.0398	0.0000	0.0398	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0580	0.8028	0.7996	1.4900e-003		0.0195	0.0195		0.0181	0.0181	0.0000	130.8829	130.8829	0.0423	0.0000	131.9411
Total	**0.0580**	**0.8028**	**0.7996**	**1.4900e-003**	**0.0973**	**0.0195**	**0.1168**	**0.0398**	**0.0181**	**0.0580**	**0.0000**	**130.8829**	**130.8829**	**0.0423**	**0.0000**	**131.9411**

3.4 Grading - 2022

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	0.1816	6.0656	0.9601	0.0206	0.4520	0.0174	0.4694	0.1242	0.0166	0.1408	0.0000	1,959.4759	1,959.4759	0.1048	0.0000	1,962.0949
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.2100e-003	1.4700e-003	0.0150	6.0000e-005	6.0100e-003	4.0000e-005	6.0500e-003	1.6000e-003	4.0000e-005	1.6300e-003	0.0000	5.0803	5.0803	1.1000e-004	0.0000	5.0830
Total	**0.1838**	**6.0671**	**0.9751**	**0.0207**	**0.4580**	**0.0174**	**0.4754**	**0.1258**	**0.0167**	**0.1425**	**0.0000**	**1,964.5562**	**1,964.5562**	**0.1049**	**0.0000**	**1,967.1779**

3.5 Building Construction - 2022

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	0.0597	0.5466	0.5727	9.4000e-004		0.0283	0.0283		0.0266	0.0266	0.0000	81.1038	81.1038	0.0194	0.0000	81.5896
Total	**0.0597**	**0.5466**	**0.5727**	**9.4000e-004**		**0.0283**	**0.0283**		**0.0266**	**0.0266**	**0.0000**	**81.1038**	**81.1038**	**0.0194**	**0.0000**	**81.5896**

3.5 Building Construction - 2022

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0535	1.8507	0.3388	4.8700e-003	0.1112	4.2900e-003	0.1154	0.0321	4.1100e-003	0.0362	0.0000	462.1457	462.1457	0.0367	0.0000	463.0625
Worker	0.2095	0.1392	1.4194	5.3100e-003	0.5692	3.6400e-003	0.5729	0.1512	3.3500e-003	0.1545	0.0000	480.8286	480.8286	0.0102	0.0000	481.0844
Total	**0.2630**	**1.9900**	**1.7582**	**0.0102**	**0.6804**	**7.9300e-003**	**0.6883**	**0.1833**	**7.4600e-003**	**0.1907**	**0.0000**	**942.9743**	**942.9743**	**0.0469**	**0.0000**	**944.1469**

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	0.0236	0.4979	0.6256	9.4000e-004		4.7400e-003	4.7400e-003		4.7400e-003	4.7400e-003	0.0000	81.1037	81.1037	0.0194	0.0000	81.5895
Total	**0.0236**	**0.4979**	**0.6256**	**9.4000e-004**		**4.7400e-003**	**4.7400e-003**		**4.7400e-003**	**4.7400e-003**	**0.0000**	**81.1037**	**81.1037**	**0.0194**	**0.0000**	**81.5895**

3.5 Building Construction - 2022

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0535	1.8507	0.3388	4.8700e-003	0.1112	4.2900e-003	0.1154	0.0321	4.1100e-003	0.0362	0.0000	462.1457	462.1457	0.0367	0.0000	463.0625
Worker	0.2095	0.1392	1.4194	5.3100e-003	0.5692	3.6400e-003	0.5729	0.1512	3.3500e-003	0.1545	0.0000	480.8286	480.8286	0.0102	0.0000	481.0844
Total	**0.2630**	**1.9900**	**1.7582**	**0.0102**	**0.6804**	**7.9300e-003**	**0.6883**	**0.1833**	**7.4600e-003**	**0.1907**	**0.0000**	**942.9743**	**942.9743**	**0.0469**	**0.0000**	**944.1469**

3.5 Building Construction - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1982	1.8125	2.0467	3.4000e-003		0.0882	0.0882		0.0830	0.0830	0.0000	292.0740	292.0740	0.0695	0.0000	293.8110
Total	**0.1982**	**1.8125**	**2.0467**	**3.4000e-003**		**0.0882**	**0.0882**		**0.0830**	**0.0830**	**0.0000**	**292.0740**	**292.0740**	**0.0695**	**0.0000**	**293.8110**

3.5 Building Construction - 2023

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.1363	5.1302	1.0176	0.0171	0.4001	4.7000e-003	0.4048	0.1155	4.4900e-003	0.1200	0.0000	1,622.4016	1,622.4016	0.0903	0.0000	1,624.6582
Worker	0.7035	0.4492	4.6803	0.0184	2.0492	0.0128	2.0620	0.5442	0.0118	0.5560	0.0000	1,665.8291	1,665.8291	0.0329	0.0000	1,666.6512
Total	**0.8398**	**5.5794**	**5.6979**	**0.0355**	**2.4493**	**0.0175**	**2.4668**	**0.6597**	**0.0162**	**0.6760**	**0.0000**	**3,288.2308**	**3,288.2308**	**0.1231**	**0.0000**	**3,291.3094**

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	0.0849	1.7925	2.2521	3.4000e-003		0.0171	0.0171		0.0171	0.0171	0.0000	292.0736	292.0736	0.0695	0.0000	293.8106
Total	**0.0849**	**1.7925**	**2.2521**	**3.4000e-003**		**0.0171**	**0.0171**		**0.0171**	**0.0171**	**0.0000**	**292.0736**	**292.0736**	**0.0695**	**0.0000**	**293.8106**

3.5 Building Construction - 2023

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.1363	5.1302	1.0176	0.0171	0.4001	4.7000e-003	0.4048	0.1155	4.4900e-003	0.1200	0.0000	1,622.4016	1,622.4016	0.0903	0.0000	1,624.6582
Worker	0.7035	0.4492	4.6803	0.0184	2.0492	0.0128	2.0620	0.5442	0.0118	0.5560	0.0000	1,665.8291	1,665.8291	0.0329	0.0000	1,666.6512
Total	**0.8398**	**5.5794**	**5.6979**	**0.0355**	**2.4493**	**0.0175**	**2.4668**	**0.6597**	**0.0162**	**0.6760**	**0.0000**	**3,288.2308**	**3,288.2308**	**0.1231**	**0.0000**	**3,291.3094**

3.6 Architectural Coating - 2022

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	0.2061					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	1.0200e-003	7.0400e-003	9.0700e-003	1.0000e-005		4.1000e-004	4.1000e-004		4.1000e-004	4.1000e-004	0.0000	1.2766	1.2766	8.0000e-005	0.0000	1.2787
Total	**0.2071**	**7.0400e-003**	**9.0700e-003**	**1.0000e-005**		**4.1000e-004**	**4.1000e-004**		**4.1000e-004**	**4.1000e-004**	**0.0000**	**1.2766**	**1.2766**	**8.0000e-005**	**0.0000**	**1.2787**

3.6 Architectural Coating - 2022

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	5.9900e-003	3.9800e-003	0.0406	1.5000e-004	0.0163	1.0000e-004	0.0164	4.3300e-003	1.0000e-004	4.4200e-003	0.0000	13.7591	13.7591	2.9000e-004	0.0000	13.7665
Total	**5.9900e-003**	**3.9800e-003**	**0.0406**	**1.5000e-004**	**0.0163**	**1.0000e-004**	**0.0164**	**4.3300e-003**	**1.0000e-004**	**4.4200e-003**	**0.0000**	**13.7591**	**13.7591**	**2.9000e-004**	**0.0000**	**13.7665**

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	0.2061					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	3.0000e-004	6.7800e-003	9.1600e-003	1.0000e-005		7.0000e-005	7.0000e-005		7.0000e-005	7.0000e-005	0.0000	1.2766	1.2766	8.0000e-005	0.0000	1.2787
Total	**0.2064**	**6.7800e-003**	**9.1600e-003**	**1.0000e-005**		**7.0000e-005**	**7.0000e-005**		**7.0000e-005**	**7.0000e-005**	**0.0000**	**1.2766**	**1.2766**	**8.0000e-005**	**0.0000**	**1.2787**

3.6 Architectural Coating - 2022

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	5.9900e-003	3.9800e-003	0.0406	1.5000e-004	0.0163	1.0000e-004	0.0164	4.3300e-003	1.0000e-004	4.4200e-003	0.0000	13.7591	13.7591	2.9000e-004	0.0000	13.7665
Total	**5.9900e-003**	**3.9800e-003**	**0.0406**	**1.5000e-004**	**0.0163**	**1.0000e-004**	**0.0164**	**4.3300e-003**	**1.0000e-004**	**4.4200e-003**	**0.0000**	**13.7591**	**13.7591**	**2.9000e-004**	**0.0000**	**13.7665**

3.6 Architectural Coating - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	5.3579					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0249	0.1694	0.2355	3.9000e-004		9.2100e-003	9.2100e-003		9.2100e-003	9.2100e-003	0.0000	33.1923	33.1923	1.9900e-003	0.0000	33.2419
Total	**5.3828**	**0.1694**	**0.2355**	**3.9000e-004**		**9.2100e-003**	**9.2100e-003**		**9.2100e-003**	**9.2100e-003**	**0.0000**	**33.1923**	**33.1923**	**1.9900e-003**	**0.0000**	**33.2419**

3.6 Architectural Coating - 2023

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.1454	0.0928	0.9673	3.8000e-003	0.4235	2.6400e-003	0.4261	0.1125	2.4300e-003	0.1149	0.0000	344.2722	344.2722	6.8000e-003	0.0000	344.4421
Total	**0.1454**	**0.0928**	**0.9673**	**3.8000e-003**	**0.4235**	**2.6400e-003**	**0.4261**	**0.1125**	**2.4300e-003**	**0.1149**	**0.0000**	**344.2722**	**344.2722**	**6.8000e-003**	**0.0000**	**344.4421**

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	5.3579					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	7.7300e-003	0.1764	0.2382	3.9000e-004		1.8500e-003	1.8500e-003		1.8500e-003	1.8500e-003	0.0000	33.1923	33.1923	1.9900e-003	0.0000	33.2419
Total	**5.3657**	**0.1764**	**0.2382**	**3.9000e-004**		**1.8500e-003**	**1.8500e-003**		**1.8500e-003**	**1.8500e-003**	**0.0000**	**33.1923**	**33.1923**	**1.9900e-003**	**0.0000**	**33.2419**

3.6 Architectural Coating - 2023

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.1454	0.0928	0.9673	3.8000e-003	0.4235	2.6400e-003	0.4261	0.1125	2.4300e-003	0.1149	0.0000	344.2722	344.2722	6.8000e-003	0.0000	344.4421
Total	**0.1454**	**0.0928**	**0.9673**	**3.8000e-003**	**0.4235**	**2.6400e-003**	**0.4261**	**0.1125**	**2.4300e-003**	**0.1149**	**0.0000**	**344.2722**	**344.2722**	**6.8000e-003**	**0.0000**	**344.4421**

3.7 Paving - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0578	0.5707	0.8167	1.2800e-003		0.0286	0.0286		0.0263	0.0263	0.0000	112.1505	112.1505	0.0363	0.0000	113.0573
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0578**	**0.5707**	**0.8167**	**1.2800e-003**		**0.0286**	**0.0286**		**0.0263**	**0.0263**	**0.0000**	**112.1505**	**112.1505**	**0.0363**	**0.0000**	**113.0573**

3.7 Paving - 2023

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.6100e-003	2.3100e-003	0.0240	9.0000e-005	0.0105	7.0000e-005	0.0106	2.8000e-003	6.0000e-005	2.8600e-003	0.0000	8.5559	8.5559	1.7000e-004	0.0000	8.5601
Total	**3.6100e-003**	**2.3100e-003**	**0.0240**	**9.0000e-005**	**0.0105**	**7.0000e-005**	**0.0106**	**2.8000e-003**	**6.0000e-005**	**2.8600e-003**	**0.0000**	**8.5559**	**8.5559**	**1.7000e-004**	**0.0000**	**8.5601**

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	0.0314	0.6325	0.9686	1.2800e-003		5.1200e-003	5.1200e-003		5.1200e-003	5.1200e-003	0.0000	112.1503	112.1503	0.0363	0.0000	113.0571
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0314**	**0.6325**	**0.9686**	**1.2800e-003**		**5.1200e-003**	**5.1200e-003**		**5.1200e-003**	**5.1200e-003**	**0.0000**	**112.1503**	**112.1503**	**0.0363**	**0.0000**	**113.0571**

3.7 Paving - 2023

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.6100e-003	2.3100e-003	0.0240	9.0000e-005	0.0105	7.0000e-005	0.0106	2.8000e-003	6.0000e-005	2.8600e-003	0.0000	8.5559	8.5559	1.7000e-004	0.0000	8.5601
Total	**3.6100e-003**	**2.3100e-003**	**0.0240**	**9.0000e-005**	**0.0105**	**7.0000e-005**	**0.0106**	**2.8000e-003**	**6.0000e-005**	**2.8600e-003**	**0.0000**	**8.5559**	**8.5559**	**1.7000e-004**	**0.0000**	**8.5601**

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	7.9162	81.6636	120.2410	0.7966	52.6031	0.4596	53.0626	14.1494	0.4315	14.5809	0.0000	74,067.5281	74,067.5281	2.1258	0.0000	74,120.6725
Unmitigated	7.9162	81.6636	120.2410	0.7966	52.6031	0.4596	53.0626	14.1494	0.4315	14.5809	0.0000	74,067.5281	74,067.5281	2.1258	0.0000	74,120.6725

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
General Office Building	110.30	24.60	10.50	800,081	800,081
Hotel	1,200.00	1,200.00	1200.00	10,302,277	10,302,277
Parking Lot	0.00	0.00	0.00		
User Defined Commercial	7,355.97	12,191.13	12191.13	122,866,361	122,866,361
User Defined Recreational	165.00	220.00	220.00	2,303,616	2,303,616
Total	8,831.27	13,635.73	13,621.63	136,272,335	136,272,335

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
General Office Building	22.00	43.00	22.00	33.00	48.00	19.00	77	19	4
Hotel	22.00	43.00	22.00	19.40	61.60	19.00	58	38	4
Parking Lot	14.70	6.60	6.60	0.00	0.00	0.00	0	0	0
User Defined Commercial	22.00	43.00	22.00	1.80	79.20	19.00	100	0	0
User Defined Recreational	22.00	43.00	22.00	19.00	62.00	19.00	100	0	0

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
General Office Building	0.487920	0.030073	0.170877	0.112061	0.016651	0.005572	0.019337	0.146855	0.001612	0.001610	0.005760	0.000912	0.000759
Hotel	0.487920	0.030073	0.170877	0.112061	0.016651	0.005572	0.019337	0.146855	0.001612	0.001610	0.005760	0.000912	0.000759
Parking Lot	0.487920	0.030073	0.170877	0.112061	0.016651	0.005572	0.019337	0.146855	0.001612	0.001610	0.005760	0.000912	0.000759
User Defined Commercial	0.487920	0.030073	0.170877	0.112061	0.016651	0.005572	0.019337	0.146855	0.001612	0.001610	0.005760	0.000912	0.000759
User Defined Recreational	0.487920	0.030073	0.170877	0.112061	0.016651	0.005572	0.019337	0.146855	0.001612	0.001610	0.005760	0.000912	0.000759

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

Install High Efficiency Lighting

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Electricity Mitigated						0.0000	0.0000		0.0000	0.0000	0.0000	2,121.2801	2,121.2801	0.0876	0.0181	2,128.8690
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	2,174.6973	2,174.6973	0.0898	0.0186	2,182.4773
NaturalGas Mitigated	3.3192	30.1746	25.3467	0.1811		2.2933	2.2933		2.2933	2.2933	0.0000	32,848.7432	32,848.7432	0.6296	0.6022	33,043.9469
NaturalGas Unmitigated	3.3192	30.1746	25.3467	0.1811		2.2933	2.2933		2.2933	2.2933	0.0000	32,848.7432	32,848.7432	0.6296	0.6022	33,043.9469

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
General Office Building	130500	7.0000e-004	6.4000e-003	5.3700e-003	4.0000e-005		4.9000e-004	4.9000e-004		4.9000e-004	4.9000e-004	0.0000	6.9640	6.9640	1.3000e-004	1.3000e-004	7.0054
Hotel	5.6839e+006	0.0307	0.2786	0.2340	1.6700e-003		0.0212	0.0212		0.0212	0.0212	0.0000	303.3146	303.3146	5.8100e-003	5.5600e-003	305.1170
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
User Defined Commercial	6.07352e+008	3.2749	29.7722	25.0086	0.1786		2.2627	2.2627		2.2627	2.2627	0.0000	32,410.6157	32,410.6157	0.6212	0.5942	32,603.2157
User Defined Recreational	2.3958e+006	0.0129	0.1174	0.0987	7.0000e-004		8.9300e-003	8.9300e-003		8.9300e-003	8.9300e-003	0.0000	127.8490	127.8490	2.4500e-003	2.3400e-003	128.6088
Total		**3.3192**	**30.1746**	**25.3467**	**0.1810**		**2.2933**	**2.2933**		**2.2933**	**2.2933**	**0.0000**	**32,848.7432**	**32,848.7432**	**0.6296**	**0.6022**	**33,043.9469**

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					
General Office Building	130500	7.0000e-004	6.4000e-003	5.3700e-003	4.0000e-005		4.9000e-004	4.9000e-004		4.9000e-004	4.9000e-004	0.0000	6.9640	6.9640	1.3000e-004	1.3000e-004	7.0054
Hotel	5.6839e+006	0.0307	0.2786	0.2340	1.6700e-003		0.0212	0.0212		0.0212	0.0212	0.0000	303.3146	303.3146	5.8100e-003	5.5600e-003	305.1170
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
User Defined Commercial	6.07352e+008	3.2749	29.7722	25.0086	0.1786		2.2627	2.2627		2.2627	2.2627	0.0000	32,410.6157	32,410.6157	0.6212	0.5942	32,603.2157
User Defined Recreational	2.3958e+006	0.0129	0.1174	0.0987	7.0000e-004		8.9300e-003	8.9300e-003		8.9300e-003	8.9300e-003	0.0000	127.8490	127.8490	2.4500e-003	2.3400e-003	128.6088
Total		**3.3192**	**30.1746**	**25.3467**	**0.1810**		**2.2933**	**2.2933**		**2.2933**	**2.2933**	**0.0000**	**32,848.7432**	**32,848.7432**	**0.6296**	**0.6022**	**33,043.9469**

5.3 Energy by Land Use - Electricity

Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
General Office Building	91200	29.0583	1.2000e-003	2.5000e-004	29.1622
Hotel	1.79444e+006	571.7470	0.0236	4.8800e-003	573.7925
Parking Lot	533610	170.0196	7.0200e-003	1.4500e-003	170.6278
User Defined Commercial	3.64901e+006	1,162.6528	0.0480	9.9300e-003	1,166.8122
User Defined Recreational	757073	241.2196	9.9600e-003	2.0600e-003	242.0826
Total		**2,174.6973**	**0.0898**	**0.0186**	**2,182.4773**

5.3 Energy by Land Use - Electricity

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
General Office Building	86528	27.5697	1.1400e-003	2.4000e-004	27.6683
Hotel	1.73984e+006	554.3498	0.0229	4.7400e-003	556.3330
Parking Lot	448232	142.8165	5.9000e-003	1.2200e-003	143.3274
User Defined Commercial	3.64901e+006	1,162.6528	0.0480	9.9300e-003	1,166.8122
User Defined Recreational	734073	233.8914	9.6600e-003	2.0000e-003	234.7282
Total		**2,121.2801**	**0.0876**	**0.0181**	**2,128.8691**

6.0 Area Detail

6.1 Mitigation Measures Area

Use Low VOC Paint - Residential Interior

Use Low VOC Paint - Residential Exterior

Use Low VOC Paint - Non-Residential Interior

Use Low VOC Paint - Non-Residential Exterior

	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	7.2366	4.3000e-004	0.0468	0.0000		1.7000e-004	1.7000e-004		1.7000e-004	1.7000e-004	0.0000	0.0911	0.0911	2.4000e-004	0.0000	0.0971
Unmitigated	7.2366	4.3000e-004	0.0468	0.0000		1.7000e-004	1.7000e-004		1.7000e-004	1.7000e-004	0.0000	0.0911	0.0911	2.4000e-004	0.0000	0.0971

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	0.5564					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	6.6759					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	4.3400e-003	4.3000e-004	0.0468	0.0000		1.7000e-004	1.7000e-004		1.7000e-004	1.7000e-004	0.0000	0.0911	0.0911	2.4000e-004	0.0000	0.0971
Total	**7.2366**	**4.3000e-004**	**0.0468**	**0.0000**		**1.7000e-004**	**1.7000e-004**		**1.7000e-004**	**1.7000e-004**	**0.0000**	**0.0911**	**0.0911**	**2.4000e-004**	**0.0000**	**0.0971**

6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.5564					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	6.6759					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	4.3400e-003	4.3000e-004	0.0468	0.0000		1.7000e-004	1.7000e-004		1.7000e-004	1.7000e-004	0.0000	0.0911	0.0911	2.4000e-004	0.0000	0.0971
Total	**7.2366**	**4.3000e-004**	**0.0468**	**0.0000**		**1.7000e-004**	**1.7000e-004**		**1.7000e-004**	**1.7000e-004**	**0.0000**	**0.0911**	**0.0911**	**2.4000e-004**	**0.0000**	**0.0971**

7.0 Water Detail

7.1 Mitigation Measures Water

Use Reclaimed Water

Install Low Flow Bathroom Faucet

Install Low Flow Kitchen Faucet

Install Low Flow Toilet

Install Low Flow Shower

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	97.9871	1.4770	0.0355	145.4946
Unmitigated	124.8478	1.8464	0.0444	184.2406

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
General Office Building	0.27156 / 0.040734	0.5998	8.8700e-003	2.1000e-004	0.8851
Hotel	17.52 / 2.628	38.6945	0.5723	0.0138	57.1023
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
User Defined Commercial	31.5097 / 4.72646	69.5921	1.0292	0.0248	102.6985
User Defined Recreational	7.227 / 1.08405	15.9615	0.2361	5.6800e-003	23.5547
Total		**124.8478**	**1.8464**	**0.0444**	**184.2406**

7.2 Water by Land Use

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
General Office Building	0.217248 / 0.0244404	0.4707	7.1000e-003	1.7000e-004	0.6990
Hotel	14.016 / 1.5768	30.3695	0.4578	0.0110	45.0936
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
User Defined Commercial	25.2078 / 2.83587	54.6195	0.8233	0.0198	81.1009
User Defined Recreational	5.7816 / 0.65043	12.5274	0.1888	4.5400e-003	18.6011
Total		**97.9871**	**1.4770**	**0.0355**	**145.4946**

8.0 Waste Detail

8.1 Mitigation Measures Waste

Institute Recycling and Composting Services

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	125.9559	7.4438	0.0000	312.0504
Unmitigated	251.9118	14.8876	0.0000	624.1008

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
General Office Building	0	0.0000	0.0000	0.0000	0.0000
Hotel	0	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
User Defined Commercial	1241	251.9118	14.8876	0.0000	624.1008
User Defined Recreational	0	0.0000	0.0000	0.0000	0.0000
Total		**251.9118**	**14.8876**	**0.0000**	**624.1008**

8.2 Waste by Land Use

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
General Office Building	0	0.0000	0.0000	0.0000	0.0000
Hotel	0	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
User Defined Commercial	620.5	125.9559	7.4438	0.0000	312.0504
User Defined Recreational	0	0.0000	0.0000	0.0000	0.0000
Total		**125.9559**	**7.4438**	**0.0000**	**312.0504**

9.0 Operational Offroad

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

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type
Emergency Generator	3	0	500	2923	0.73	Diesel

Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type
Boiler	4	0	8760	0.5	Diesel

User Defined Equipment

Equipment Type	Number

10.1 Stationary Sources

Unmitigated/Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Equipment Type	tons/yr										MT/yr					
Boiler - Diesel (0 - 9999 MMBTU)	0.0426	0.9111	0.6257	0.0282		0.1251	0.1251		0.0313	0.0313	0.0000	2,838.2400	2,838.2400	0.0245	0.0000	2,838.8531
Emergency Generator - Diesel (750 - 9999 HP)	3.5972	16.0884	9.1732	0.0173		0.5292	0.5292		0.5292	0.5292	0.0000	1,669.6053	1,669.6053	0.2341	0.0000	1,675.4573
Total	**3.6397**	**16.9994**	**9.7989**	**0.0455**		**0.6544**	**0.6544**		**0.5605**	**0.5605**	**0.0000**	**4,507.8453**	**4,507.8453**	**0.2586**	**0.0000**	**4,514.3104**

11.0 Vegetation

	Total CO2	CH4	N2O	CO2e
Category	MT			
Unmitigated	-682.0000	0.0000	0.0000	-682.0000

11.1 Vegetation Land Change

Vegetation Type

	Initial/Final	Total CO2	CH4	N2O	CO2e
	Acres	MT			
Cropland	306 / 196	-682.0000	0.0000	0.0000	-682.0000
Total		**-682.0000**	**0.0000**	**0.0000**	**-682.0000**

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1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Office Building	10.00	1000sqft	0.00	10,000.00	0
Parking Lot	3,600.00	Space	0.00	1,524,600.00	0
Hotel	300.00	Room	0.00	177,500.00	0
User Defined Recreational	147.00	User Defined Unit	55.00	374,900.00	0

1.2 Other Project Characteristics

Urbanization	Rural	**Wind Speed (m/s)**	2.7	**Precipitation Freq (Days)**	32
Climate Zone	3			**Operational Year**	2023
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	702.44	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - CalEEMod Input Table

Construction Phase - CalEEMod Input Tables

Demolition -

Grading - CalEEMod Input Table

Vehicle Trips - CalEEMod Input Table

Energy Use - CalEEMod Input Table

Water And Wastewater - CalEEMod Input Table

Solid Waste - CalEEMod Input Table

Land Use Change -

Construction Off-road Equipment Mitigation - CalEEMod Input Table

Area Mitigation -

Energy Mitigation -

Water Mitigation -

Waste Mitigation -

Stationary Sources - Emergency Generators and Fire Pumps -

Stationary Sources - Process Boilers -

Table Name	Column Name	Default Value	New Value
tblAreaMitigation	UseLowVOCPaintParkingCheck	False	True
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	15
tblConstEquipMitigation	DPF	No Change	Level 3
tblConstEquipMitigation	DPF	No Change	Level 3
tblConstEquipMitigation	DPF	No Change	Level 3
tblConstEquipMitigation	DPF	No Change	Level 3
tblConstEquipMitigation	DPF	No Change	Level 3

tblConstEquipMitigation	DPF	No Change	Level 3
tblConstEquipMitigation	DPF	No Change	Level 3
tblConstEquipMitigation	DPF	No Change	Level 3
tblConstEquipMitigation	DPF	No Change	Level 3
tblConstEquipMitigation	DPF	No Change	Level 3
tblConstEquipMitigation	DPF	No Change	Level 3
tblConstEquipMitigation	DPF	No Change	Level 3
tblConstEquipMitigation	DPF	No Change	Level 3
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	5.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	3.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	6.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	9.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3

tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstructionPhase	NumDays	75.00	270.00
tblConstructionPhase	NumDays	1,110.00	322.00
tblConstructionPhase	NumDays	70.00	14.00
tblConstructionPhase	NumDays	110.00	48.00
tblConstructionPhase	NumDays	75.00	112.00
tblConstructionPhase	NumDays	40.00	35.00
tblEnergyUse	NT24E	0.00	7.45
tblEnergyUse	NT24NG	0.00	1,240.00
tblGrading	AcresOfGrading	120.00	55.00
tblGrading	MaterialImported	0.00	299,820.00
tblLandUse	LandUseSquareFeet	1,440,000.00	1,524,600.00
tblLandUse	LandUseSquareFeet	435,600.00	177,500.00
tblLandUse	LandUseSquareFeet	0.00	374,900.00
tblLandUse	LotAcreage	0.23	0.00
tblLandUse	LotAcreage	32.40	0.00
tblLandUse	LotAcreage	10.00	0.00
tblLandUse	LotAcreage	0.00	55.00
tblProjectCharacteristics	UrbanizationLevel	Urban	Rural
tblSolidWaste	SolidWasteGenerationRate	9.30	0.00
tblSolidWaste	SolidWasteGenerationRate	164.25	0.00

tblSolidWaste	SolidWasteGenerationRate	0.00	986.00
tblStationaryBoilersUse	AnnualHeatInput	0.00	8,760.00
tblStationaryBoilersUse	BoilerRatingValue	0.00	0.50
tblStationaryBoilersUse	NumberOfEquipment	0.00	3.00
tblStationaryGeneratorsPumpsUse	HorsePowerValue	0.00	2,923.00
tblStationaryGeneratorsPumpsUse	HoursPerYear	0.00	500.00
tblStationaryGeneratorsPumpsUse	NumberOfEquipment	0.00	2.00
tblVehicleTrips	CC_TL	6.60	43.00
tblVehicleTrips	CC_TTP	0.00	79.20
tblVehicleTrips	CNW_TL	6.60	22.00
tblVehicleTrips	CNW_TTP	0.00	19.00
tblVehicleTrips	CW_TL	14.70	22.00
tblVehicleTrips	CW_TTP	0.00	1.80
tblVehicleTrips	PR_TP	0.00	100.00
tblVehicleTrips	ST_TR	8.19	3.00
tblVehicleTrips	ST_TR	0.00	78.99
tblVehicleTrips	SU_TR	5.95	3.00
tblVehicleTrips	SU_TR	0.00	78.99
tblVehicleTrips	WD_TR	8.17	3.00
tblVehicleTrips	WD_TR	0.00	48.01
tblWater	IndoorWaterUseRate	1,777,337.48	271,560.00
tblWater	IndoorWaterUseRate	7,610,031.00	13,140,000.00
tblWater	IndoorWaterUseRate	0.00	26,766,180.00
tblWater	OutdoorWaterUseRate	1,089,335.87	40,734.00
tblWater	OutdoorWaterUseRate	845,559.00	1,971,000.00
tblWater	OutdoorWaterUseRate	0.00	4,014,927.00

2.0 Emissions Summary

2.1 Overall Construction

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2022	0.6925	7.8856	3.6879	0.0251	1.3157	0.1227	1.4384	0.4776	0.1142	0.5918	0.0000	2,340.7254	2,340.7254	0.1935	0.0000	2,345.5635
2023	5.0173	6.2562	7.5943	0.0312	1.9387	0.1395	2.0782	0.5209	0.1310	0.6519	0.0000	2,856.8059	2,856.8059	0.1934	0.0000	2,861.6399
Maximum	**5.0173**	**7.8856**	**7.5943**	**0.0312**	**1.9387**	**0.1395**	**2.0782**	**0.5209**	**0.1310**	**0.6519**	**0.0000**	**2,856.8059**	**2,856.8059**	**0.1935**	**0.0000**	**2,861.6399**

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2022	0.5755	7.4100	3.9292	0.0251	1.0331	0.0455	1.0786	0.3346	0.0433	0.3779	0.0000	2,340.7250	2,340.7250	0.1935	0.0000	2,345.5631
2023	4.8604	6.3050	7.9542	0.0312	1.9387	0.0376	1.9763	0.5209	0.0366	0.5575	0.0000	2,856.8054	2,856.8054	0.1934	0.0000	2,861.6394
Maximum	**4.8604**	**7.4100**	**7.9542**	**0.0312**	**1.9387**	**0.0455**	**1.9763**	**0.5209**	**0.0433**	**0.5575**	**0.0000**	**2,856.8054**	**2,856.8054**	**0.1935**	**0.0000**	**2,861.6394**

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	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**4.80**	**3.02**	**-5.33**	**0.00**	**8.68**	**68.32**	**13.13**	**14.32**	**67.42**	**24.79**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
1	**6-1-2022**	**8-31-2022**	4.2917	3.8407
2	**9-1-2022**	**11-30-2022**	3.2957	3.1827
3	**12-1-2022**	**2-28-2023**	2.5878	2.5361
4	**3-1-2023**	**5-31-2023**	2.7458	2.7085
5	**6-1-2023**	**8-31-2023**	3.1139	3.0974
6	**9-1-2023**	**9-30-2023**	1.0154	1.0100
		Highest	4.2917	3.8407

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	2.7213	3.4000e-004	0.0373	0.0000		1.3000e-004	1.3000e-004		1.3000e-004	1.3000e-004	0.0000	0.0725	0.0725	1.9000e-004	0.0000	0.0773
Energy	2.5315	23.0133	19.3311	0.1381		1.7490	1.7490		1.7490	1.7490	0.0000	26,590.7786	26,590.7786	0.5437	0.4724	26,745.1569
Mobile	7.0146	72.5906	105.7943	0.7005	46.1592	0.4036	46.5629	12.4161	0.3790	12.7951	0.0000	65,134.6639	65,134.6639	1.8921	0.0000	65,181.9652
Stationary	2.4303	11.4089	6.5848	0.0326		0.4467	0.4467		0.3763	0.3763	0.0000	3,241.7502	3,241.7502	0.1744	0.0000	3,246.1113
Waste						0.0000	0.0000		0.0000	0.0000	200.1491	0.0000	200.1491	11.8285	0.0000	495.8609
Water						0.0000	0.0000		0.0000	0.0000	12.7465	75.9896	88.7362	1.3123	0.0316	130.9499
Total	**14.6976**	**107.0131**	**131.7474**	**0.8712**	**46.1592**	**2.5995**	**48.7587**	**12.4161**	**2.5044**	**14.9205**	**212.8956**	**95,043.2548**	**95,256.1505**	**15.7512**	**0.5040**	**95,800.1214**

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	2.5571	3.4000e-004	0.0373	0.0000		1.3000e-004	1.3000e-004		1.3000e-004	1.3000e-004	0.0000	0.0725	0.0725	1.9000e-004	0.0000	0.0773
Energy	2.5315	23.0133	19.3311	0.1381		1.7490	1.7490		1.7490	1.7490	0.0000	26,548.4231	26,548.4231	0.5419	0.4721	26,702.6499
Mobile	7.0146	72.5906	105.7943	0.7005	46.1592	0.4036	46.5629	12.4161	0.3790	12.7951	0.0000	65,134.6639	65,134.6639	1.8921	0.0000	65,181.9652
Stationary	2.4303	11.4089	6.5848	0.0326		0.4467	0.4467		0.3763	0.3763	0.0000	3,241.7502	3,241.7502	0.1744	0.0000	3,246.1113
Waste						0.0000	0.0000		0.0000	0.0000	100.0745	0.0000	100.0745	5.9142	0.0000	247.9305
Water						0.0000	0.0000		0.0000	0.0000	10.1972	59.4476	69.6448	1.0498	0.0252	103.4109
Total	**14.5334**	**107.0131**	**131.7474**	**0.8712**	**46.1592**	**2.5995**	**48.7587**	**12.4161**	**2.5044**	**14.9205**	**110.2718**	**94,984.3573**	**95,094.6290**	**9.5727**	**0.4973**	**95,482.1450**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**1.12**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**48.20**	**0.06**	**0.17**	**39.23**	**1.33**	**0.33**

2.3 Vegetation

Vegetation

	CO2e
Category	MT
Vegetation Land Change	-545.6000
Total	**-545.6000**

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	6/1/2022	6/20/2022	5	14	
2	Site Preparation	Site Preparation	6/1/2022	7/19/2022	5	35	
3	Grading	Grading	7/20/2022	9/23/2022	5	48	
4	Building Construction	Building Construction	9/24/2022	12/19/2023	5	322	
5	Architectural Coating	Architectural Coating	12/19/2022	12/29/2023	5	270	
6	Paving	Paving	6/1/2023	11/3/2023	5	112	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 55

Acres of Paving: 0

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 843,600; Non-Residential Outdoor: 281,200; Striped Parking Area: 91,476 (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	Excavators	3	8.00	158	0.38
Demolition	Rubber Tired Dozers	2	8.00	247	0.40
Site Preparation	Rubber Tired Dozers	3	8.00	247	0.40
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Grading	Excavators	2	8.00	158	0.38
Grading	Graders	1	8.00	187	0.41
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Grading	Scrapers	2	8.00	367	0.48
Grading	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Building Construction	Cranes	1	7.00	231	0.29
Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45
Architectural Coating	Air Compressors	1	6.00	78	0.48
Paving	Pavers	2	8.00	130	0.42
Paving	Paving Equipment	2	8.00	132	0.36
Paving	Rollers	2	8.00	80	0.38

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	6	15.00	0.00	16.00	16.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	7	18.00	0.00	0.00	16.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Grading	8	20.00	0.00	37,478.00	16.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	876.00	342.00	0.00	16.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	175.00	0.00	0.00	16.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	16.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Use Cleaner Engines for Construction Equipment

Use DPF for Construction Equipment

Use Soil Stabilizer

Water Exposed Area

Reduce Vehicle Speed on Unpaved Roads

3.2 Demolition - 2022

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					1.7500e-003	0.0000	1.7500e-003	2.6000e-004	0.0000	2.6000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0185	0.1800	0.1442	2.7000e-004		8.7000e-003	8.7000e-003		8.0900e-003	8.0900e-003	0.0000	23.7932	23.7932	6.6800e-003	0.0000	23.9602
Total	**0.0185**	**0.1800**	**0.1442**	**2.7000e-004**	**1.7500e-003**	**8.7000e-003**	**0.0105**	**2.6000e-004**	**8.0900e-003**	**8.3500e-003**	**0.0000**	**23.7932**	**23.7932**	**6.6800e-003**	**0.0000**	**23.9602**

3.2 Demolition - 2022

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	6.0000e-005	1.8500e-003	2.9000e-004	1.0000e-005	1.4000e-004	1.0000e-005	1.4000e-004	4.0000e-005	1.0000e-005	4.0000e-005	0.0000	0.5980	0.5980	3.0000e-005	0.0000	0.5988
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	4.8000e-004	3.2000e-004	3.2800e-003	1.0000e-005	1.3200e-003	1.0000e-005	1.3200e-003	3.5000e-004	1.0000e-005	3.6000e-004	0.0000	1.1113	1.1113	2.0000e-005	0.0000	1.1119
Total	**5.4000e-004**	**2.1700e-003**	**3.5700e-003**	**2.0000e-005**	**1.4600e-003**	**2.0000e-005**	**1.4600e-003**	**3.9000e-004**	**2.0000e-005**	**4.0000e-004**	**0.0000**	**1.7093**	**1.7093**	**5.0000e-005**	**0.0000**	**1.7107**

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					7.9000e-004	0.0000	7.9000e-004	1.2000e-004	0.0000	1.2000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	6.4700e-003	0.1282	0.1727	2.7000e-004		9.1000e-004	9.1000e-004		9.1000e-004	9.1000e-004	0.0000	23.7931	23.7931	6.6800e-003	0.0000	23.9602
Total	**6.4700e-003**	**0.1282**	**0.1727**	**2.7000e-004**	**7.9000e-004**	**9.1000e-004**	**1.7000e-003**	**1.2000e-004**	**9.1000e-004**	**1.0300e-003**	**0.0000**	**23.7931**	**23.7931**	**6.6800e-003**	**0.0000**	**23.9602**

3.2 Demolition - 2022

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	6.0000e-005	1.8500e-003	2.9000e-004	1.0000e-005	1.4000e-004	1.0000e-005	1.4000e-004	4.0000e-005	1.0000e-005	4.0000e-005	0.0000	0.5980	0.5980	3.0000e-005	0.0000	0.5988
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	4.8000e-004	3.2000e-004	3.2800e-003	1.0000e-005	1.3200e-003	1.0000e-005	1.3200e-003	3.5000e-004	1.0000e-005	3.6000e-004	0.0000	1.1113	1.1113	2.0000e-005	0.0000	1.1119
Total	**5.4000e-004**	**2.1700e-003**	**3.5700e-003**	**2.0000e-005**	**1.4600e-003**	**2.0000e-005**	**1.4600e-003**	**3.9000e-004**	**2.0000e-005**	**4.0000e-004**	**0.0000**	**1.7093**	**1.7093**	**5.0000e-005**	**0.0000**	**1.7107**

3.3 Site Preparation - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.3162	0.0000	0.3162	0.1738	0.0000	0.1738	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0555	0.5790	0.3447	6.7000e-004		0.0282	0.0282		0.0260	0.0260	0.0000	58.5189	58.5189	0.0189	0.0000	58.9921
Total	**0.0555**	**0.5790**	**0.3447**	**6.7000e-004**	**0.3162**	**0.0282**	**0.3444**	**0.1738**	**0.0260**	**0.1998**	**0.0000**	**58.5189**	**58.5189**	**0.0189**	**0.0000**	**58.9921**

3.3 Site Preparation - 2022

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.4500e-003	9.7000e-004	9.8400e-003	4.0000e-005	3.9500e-003	3.0000e-005	3.9700e-003	1.0500e-003	2.0000e-005	1.0700e-003	0.0000	3.3339	3.3339	7.0000e-005	0.0000	3.3357
Total	**1.4500e-003**	**9.7000e-004**	**9.8400e-003**	**4.0000e-005**	**3.9500e-003**	**3.0000e-005**	**3.9700e-003**	**1.0500e-003**	**2.0000e-005**	**1.0700e-003**	**0.0000**	**3.3339**	**3.3339**	**7.0000e-005**	**0.0000**	**3.3357**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.1423	0.0000	0.1423	0.0782	0.0000	0.0782	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0163	0.3337	0.4018	6.7000e-004		2.4800e-003	2.4800e-003		2.4800e-003	2.4800e-003	0.0000	58.5189	58.5189	0.0189	0.0000	58.9920
Total	**0.0163**	**0.3337**	**0.4018**	**6.7000e-004**	**0.1423**	**2.4800e-003**	**0.1448**	**0.0782**	**2.4800e-003**	**0.0807**	**0.0000**	**58.5189**	**58.5189**	**0.0189**	**0.0000**	**58.9920**

3.3 Site Preparation - 2022

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.4500e-003	9.7000e-004	9.8400e-003	4.0000e-005	3.9500e-003	3.0000e-005	3.9700e-003	1.0500e-003	2.0000e-005	1.0700e-003	0.0000	3.3339	3.3339	7.0000e-005	0.0000	3.3357
Total	**1.4500e-003**	**9.7000e-004**	**9.8400e-003**	**4.0000e-005**	**3.9500e-003**	**3.0000e-005**	**3.9700e-003**	**1.0500e-003**	**2.0000e-005**	**1.0700e-003**	**0.0000**	**3.3339**	**3.3339**	**7.0000e-005**	**0.0000**	**3.3357**

3.4 Grading - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.1958	0.0000	0.1958	0.0859	0.0000	0.0859	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0870	0.9322	0.6970	1.4900e-003		0.0392	0.0392		0.0361	0.0361	0.0000	130.8830	130.8830	0.0423	0.0000	131.9413
Total	**0.0870**	**0.9322**	**0.6970**	**1.4900e-003**	**0.1958**	**0.0392**	**0.2351**	**0.0859**	**0.0361**	**0.1220**	**0.0000**	**130.8830**	**130.8830**	**0.0423**	**0.0000**	**131.9413**

3.4 Grading - 2022

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	0.1298	4.3362	0.6863	0.0147	0.3231	0.0124	0.3356	0.0888	0.0119	0.1007	0.0000	1,400.7790	1,400.7790	0.0749	0.0000	1,402.6512
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.2100e-003	1.4700e-003	0.0150	6.0000e-005	6.0100e-003	4.0000e-005	6.0500e-003	1.6000e-003	4.0000e-005	1.6300e-003	0.0000	5.0803	5.0803	1.1000e-004	0.0000	5.0830
Total	**0.1320**	**4.3376**	**0.7013**	**0.0148**	**0.3291**	**0.0125**	**0.3416**	**0.0904**	**0.0119**	**0.1023**	**0.0000**	**1,405.8592**	**1,405.8592**	**0.0750**	**0.0000**	**1,407.7342**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0881	0.0000	0.0881	0.0387	0.0000	0.0387	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0580	0.8028	0.7996	1.4900e-003		0.0195	0.0195		0.0181	0.0181	0.0000	130.8829	130.8829	0.0423	0.0000	131.9411
Total	**0.0580**	**0.8028**	**0.7996**	**1.4900e-003**	**0.0881**	**0.0195**	**0.1076**	**0.0387**	**0.0181**	**0.0568**	**0.0000**	**130.8829**	**130.8829**	**0.0423**	**0.0000**	**131.9411**

3.4 Grading - 2022

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	0.1298	4.3362	0.6863	0.0147	0.3231	0.0124	0.3356	0.0888	0.0119	0.1007	0.0000	1,400.7790	1,400.7790	0.0749	0.0000	1,402.6512
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.2100e-003	1.4700e-003	0.0150	6.0000e-005	6.0100e-003	4.0000e-005	6.0500e-003	1.6000e-003	4.0000e-005	1.6300e-003	0.0000	5.0803	5.0803	1.1000e-004	0.0000	5.0830
Total	**0.1320**	**4.3376**	**0.7013**	**0.0148**	**0.3291**	**0.0125**	**0.3416**	**0.0904**	**0.0119**	**0.1023**	**0.0000**	**1,405.8592**	**1,405.8592**	**0.0750**	**0.0000**	**1,407.7342**

3.5 Building Construction - 2022

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	0.0597	0.5466	0.5727	9.4000e-004		0.0283	0.0283		0.0266	0.0266	0.0000	81.1038	81.1038	0.0194	0.0000	81.5896
Total	**0.0597**	**0.5466**	**0.5727**	**9.4000e-004**		**0.0283**	**0.0283**		**0.0266**	**0.0266**	**0.0000**	**81.1038**	**81.1038**	**0.0194**	**0.0000**	**81.5896**

3.5 Building Construction - 2022

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0348	1.2033	0.2203	3.1600e-003	0.0723	2.7900e-003	0.0751	0.0209	2.6700e-003	0.0235	0.0000	300.4826	300.4826	0.0238	0.0000	301.0787
Worker	0.1414	0.0940	0.9579	3.5900e-003	0.3842	2.4600e-003	0.3866	0.1020	2.2600e-003	0.1043	0.0000	324.5038	324.5038	6.9000e-003	0.0000	324.6764
Total	**0.1762**	**1.2973**	**1.1782**	**6.7500e-003**	**0.4564**	**5.2500e-003**	**0.4617**	**0.1229**	**4.9300e-003**	**0.1278**	**0.0000**	**624.9863**	**624.9863**	**0.0307**	**0.0000**	**625.7550**

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	0.0236	0.4979	0.6256	9.4000e-004		4.7400e-003	4.7400e-003		4.7400e-003	4.7400e-003	0.0000	81.1037	81.1037	0.0194	0.0000	81.5895
Total	**0.0236**	**0.4979**	**0.6256**	**9.4000e-004**		**4.7400e-003**	**4.7400e-003**		**4.7400e-003**	**4.7400e-003**	**0.0000**	**81.1037**	**81.1037**	**0.0194**	**0.0000**	**81.5895**

3.5 Building Construction - 2022

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0348	1.2033	0.2203	3.1600e-003	0.0723	2.7900e-003	0.0751	0.0209	2.6700e-003	0.0235	0.0000	300.4826	300.4826	0.0238	0.0000	301.0787
Worker	0.1414	0.0940	0.9579	3.5900e-003	0.3842	2.4600e-003	0.3866	0.1020	2.2600e-003	0.1043	0.0000	324.5038	324.5038	6.9000e-003	0.0000	324.6764
Total	**0.1762**	**1.2973**	**1.1782**	**6.7500e-003**	**0.4564**	**5.2500e-003**	**0.4617**	**0.1229**	**4.9300e-003**	**0.1278**	**0.0000**	**624.9863**	**624.9863**	**0.0307**	**0.0000**	**625.7550**

3.5 Building Construction - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1982	1.8125	2.0467	3.4000e-003		0.0882	0.0882		0.0830	0.0830	0.0000	292.0740	292.0740	0.0695	0.0000	293.8110
Total	**0.1982**	**1.8125**	**2.0467**	**3.4000e-003**		**0.0882**	**0.0882**		**0.0830**	**0.0830**	**0.0000**	**292.0740**	**292.0740**	**0.0695**	**0.0000**	**293.8110**

3.5 Building Construction - 2023

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0886	3.3356	0.6617	0.0111	0.2602	3.0600e-003	0.2632	0.0751	2.9200e-003	0.0780	0.0000	1,054.8695	1,054.8695	0.0587	0.0000	1,056.3367
Worker	0.4748	0.3032	3.1586	0.0124	1.3830	8.6200e-003	1.3916	0.3673	7.9300e-003	0.3752	0.0000	1,124.2422	1,124.2422	0.0222	0.0000	1,124.7969
Total	**0.5634**	**3.6388**	**3.8203**	**0.0235**	**1.6431**	**0.0117**	**1.6548**	**0.4424**	**0.0109**	**0.4532**	**0.0000**	**2,179.1117**	**2,179.1117**	**0.0809**	**0.0000**	**2,181.1336**

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	0.0849	1.7925	2.2521	3.4000e-003		0.0171	0.0171		0.0171	0.0171	0.0000	292.0736	292.0736	0.0695	0.0000	293.8106
Total	**0.0849**	**1.7925**	**2.2521**	**3.4000e-003**		**0.0171**	**0.0171**		**0.0171**	**0.0171**	**0.0000**	**292.0736**	**292.0736**	**0.0695**	**0.0000**	**293.8106**

3.5 Building Construction - 2023

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0886	3.3356	0.6617	0.0111	0.2602	3.0600e-003	0.2632	0.0751	2.9200e-003	0.0780	0.0000	1,054.8695	1,054.8695	0.0587	0.0000	1,056.3367
Worker	0.4748	0.3032	3.1586	0.0124	1.3830	8.6200e-003	1.3916	0.3673	7.9300e-003	0.3752	0.0000	1,124.2422	1,124.2422	0.0222	0.0000	1,124.7969
Total	**0.5634**	**3.6388**	**3.8203**	**0.0235**	**1.6431**	**0.0117**	**1.6548**	**0.4424**	**0.0109**	**0.4532**	**0.0000**	**2,179.1117**	**2,179.1117**	**0.0809**	**0.0000**	**2,181.1336**

3.6 Architectural Coating - 2022

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	0.1566					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	1.0200e-003	7.0400e-003	9.0700e-003	1.0000e-005		4.1000e-004	4.1000e-004		4.1000e-004	4.1000e-004	0.0000	1.2766	1.2766	8.0000e-005	0.0000	1.2787
Total	**0.1576**	**7.0400e-003**	**9.0700e-003**	**1.0000e-005**		**4.1000e-004**	**4.1000e-004**		**4.1000e-004**	**4.1000e-004**	**0.0000**	**1.2766**	**1.2766**	**8.0000e-005**	**0.0000**	**1.2787**

3.6 Architectural Coating - 2022

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	4.0400e-003	2.6800e-003	0.0273	1.0000e-004	0.0110	7.0000e-005	0.0110	2.9100e-003	6.0000e-005	2.9800e-003	0.0000	9.2610	9.2610	2.0000e-004	0.0000	9.2659
Total	**4.0400e-003**	**2.6800e-003**	**0.0273**	**1.0000e-004**	**0.0110**	**7.0000e-005**	**0.0110**	**2.9100e-003**	**6.0000e-005**	**2.9800e-003**	**0.0000**	**9.2610**	**9.2610**	**2.0000e-004**	**0.0000**	**9.2659**

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	0.1566					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	3.0000e-004	6.7800e-003	9.1600e-003	1.0000e-005		7.0000e-005	7.0000e-005		7.0000e-005	7.0000e-005	0.0000	1.2766	1.2766	8.0000e-005	0.0000	1.2787
Total	**0.1569**	**6.7800e-003**	**9.1600e-003**	**1.0000e-005**		**7.0000e-005**	**7.0000e-005**		**7.0000e-005**	**7.0000e-005**	**0.0000**	**1.2766**	**1.2766**	**8.0000e-005**	**0.0000**	**1.2787**

3.6 Architectural Coating - 2022

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	4.0400e-003	2.6800e-003	0.0273	1.0000e-004	0.0110	7.0000e-005	0.0110	2.9100e-003	6.0000e-005	2.9800e-003	0.0000	9.2610	9.2610	2.0000e-004	0.0000	9.2659
Total	**4.0400e-003**	**2.6800e-003**	**0.0273**	**1.0000e-004**	**0.0110**	**7.0000e-005**	**0.0110**	**2.9100e-003**	**6.0000e-005**	**2.9800e-003**	**0.0000**	**9.2610**	**9.2610**	**2.0000e-004**	**0.0000**	**9.2659**

3.6 Architectural Coating - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	4.0715					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0249	0.1694	0.2355	3.9000e-004		9.2100e-003	9.2100e-003		9.2100e-003	9.2100e-003	0.0000	33.1923	33.1923	1.9900e-003	0.0000	33.2419
Total	**4.0964**	**0.1694**	**0.2355**	**3.9000e-004**		**9.2100e-003**	**9.2100e-003**		**9.2100e-003**	**9.2100e-003**	**0.0000**	**33.1923**	**33.1923**	**1.9900e-003**	**0.0000**	**33.2419**

3.6 Architectural Coating - 2023

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0979	0.0625	0.6510	2.5600e-003	0.2851	1.7800e-003	0.2868	0.0757	1.6300e-003	0.0773	0.0000	231.7217	231.7217	4.5700e-003	0.0000	231.8360
Total	**0.0979**	**0.0625**	**0.6510**	**2.5600e-003**	**0.2851**	**1.7800e-003**	**0.2868**	**0.0757**	**1.6300e-003**	**0.0773**	**0.0000**	**231.7217**	**231.7217**	**4.5700e-003**	**0.0000**	**231.8360**

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	4.0715					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	7.7300e-003	0.1764	0.2382	3.9000e-004		1.8500e-003	1.8500e-003		1.8500e-003	1.8500e-003	0.0000	33.1923	33.1923	1.9900e-003	0.0000	33.2419
Total	**4.0792**	**0.1764**	**0.2382**	**3.9000e-004**		**1.8500e-003**	**1.8500e-003**		**1.8500e-003**	**1.8500e-003**	**0.0000**	**33.1923**	**33.1923**	**1.9900e-003**	**0.0000**	**33.2419**

3.6 Architectural Coating - 2023

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0979	0.0625	0.6510	2.5600e-003	0.2851	1.7800e-003	0.2868	0.0757	1.6300e-003	0.0773	0.0000	231.7217	231.7217	4.5700e-003	0.0000	231.8360
Total	**0.0979**	**0.0625**	**0.6510**	**2.5600e-003**	**0.2851**	**1.7800e-003**	**0.2868**	**0.0757**	**1.6300e-003**	**0.0773**	**0.0000**	**231.7217**	**231.7217**	**4.5700e-003**	**0.0000**	**231.8360**

3.7 Paving - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0578	0.5707	0.8167	1.2800e-003		0.0286	0.0286		0.0263	0.0263	0.0000	112.1505	112.1505	0.0363	0.0000	113.0573
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0578**	**0.5707**	**0.8167**	**1.2800e-003**		**0.0286**	**0.0286**		**0.0263**	**0.0263**	**0.0000**	**112.1505**	**112.1505**	**0.0363**	**0.0000**	**113.0573**

3.7 Paving - 2023

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.6100e-003	2.3100e-003	0.0240	9.0000e-005	0.0105	7.0000e-005	0.0106	2.8000e-003	6.0000e-005	2.8600e-003	0.0000	8.5559	8.5559	1.7000e-004	0.0000	8.5601
Total	**3.6100e-003**	**2.3100e-003**	**0.0240**	**9.0000e-005**	**0.0105**	**7.0000e-005**	**0.0106**	**2.8000e-003**	**6.0000e-005**	**2.8600e-003**	**0.0000**	**8.5559**	**8.5559**	**1.7000e-004**	**0.0000**	**8.5601**

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	0.0314	0.6325	0.9686	1.2800e-003		5.1200e-003	5.1200e-003		5.1200e-003	5.1200e-003	0.0000	112.1503	112.1503	0.0363	0.0000	113.0571
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0314**	**0.6325**	**0.9686**	**1.2800e-003**		**5.1200e-003**	**5.1200e-003**		**5.1200e-003**	**5.1200e-003**	**0.0000**	**112.1503**	**112.1503**	**0.0363**	**0.0000**	**113.0571**

3.7 Paving - 2023

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.6100e-003	2.3100e-003	0.0240	9.0000e-005	0.0105	7.0000e-005	0.0106	2.8000e-003	6.0000e-005	2.8600e-003	0.0000	8.5559	8.5559	1.7000e-004	0.0000	8.5601
Total	**3.6100e-003**	**2.3100e-003**	**0.0240**	**9.0000e-005**	**0.0105**	**7.0000e-005**	**0.0106**	**2.8000e-003**	**6.0000e-005**	**2.8600e-003**	**0.0000**	**8.5559**	**8.5559**	**1.7000e-004**	**0.0000**	**8.5601**

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	7.0146	72.5906	105.7943	0.7005	46.1592	0.4036	46.5629	12.4161	0.3790	12.7951	0.0000	65,134.6639	65,134.6639	1.8921	0.0000	65,181.9652
Unmitigated	7.0146	72.5906	105.7943	0.7005	46.1592	0.4036	46.5629	12.4161	0.3790	12.7951	0.0000	65,134.6639	65,134.6639	1.8921	0.0000	65,181.9652

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
General Office Building	110.30	24.60	10.50	231,357	231,357
Hotel	900.00	900.00	900.00	1,808,252	1,808,252
Parking Lot	0.00	0.00	0.00		
User Defined Recreational	7,057.47	11,611.53	11611.53	117,539,456	117,539,456
Total	8,067.77	12,536.13	12,522.03	119,579,065	119,579,065

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
General Office Building	14.70	6.60	6.60	33.00	48.00	19.00	77	19	4
Hotel	14.70	6.60	6.60	19.40	61.60	19.00	58	38	4
Parking Lot	14.70	6.60	6.60	0.00	0.00	0.00	0	0	0
User Defined Recreational	22.00	43.00	22.00	1.80	79.20	19.00	100	0	0

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
General Office Building	0.487920	0.030073	0.170877	0.112061	0.016651	0.005572	0.019337	0.146855	0.001612	0.001610	0.005760	0.000912	0.000759
Hotel	0.487920	0.030073	0.170877	0.112061	0.016651	0.005572	0.019337	0.146855	0.001612	0.001610	0.005760	0.000912	0.000759
Parking Lot	0.487920	0.030073	0.170877	0.112061	0.016651	0.005572	0.019337	0.146855	0.001612	0.001610	0.005760	0.000912	0.000759
User Defined Recreational	0.487920	0.030073	0.170877	0.112061	0.016651	0.005572	0.019337	0.146855	0.001612	0.001610	0.005760	0.000912	0.000759

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

Install High Efficiency Lighting

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Electricity Mitigated						0.0000	0.0000		0.0000	0.0000	0.0000	1,495.6827	1,495.6827	0.0618	0.0128	1,501.0335
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	1,538.0382	1,538.0382	0.0635	0.0131	1,543.5406
NaturalGas Mitigated	2.5315	23.0133	19.3311	0.1381		1.7490	1.7490		1.7490	1.7490	0.0000	25,052.7404	25,052.7404	0.4802	0.4593	25,201.6163
NaturalGas Unmitigated	2.5315	23.0133	19.3311	0.1381		1.7490	1.7490		1.7490	1.7490	0.0000	25,052.7404	25,052.7404	0.4802	0.4593	25,201.6163

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
General Office Building	130500	7.0000e-004	6.4000e-003	5.3700e-003	4.0000e-005		4.9000e-004	4.9000e-004		4.9000e-004	4.9000e-004	0.0000	6.9640	6.9640	1.3000e-004	1.3000e-004	7.0054
Hotel	4.46413e+006	0.0241	0.2188	0.1838	1.3100e-003		0.0166	0.0166		0.0166	0.0166	0.0000	238.2227	238.2227	4.5700e-003	4.3700e-003	239.6384
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
User Defined Recreational	4.64876e+008	2.5067	22.7880	19.1420	0.1367		1.7319	1.7319		1.7319	1.7319	0.0000	24,807.5537	24,807.5537	0.4755	0.4548	24,954.9726
Total		**2.5315**	**23.0133**	**19.3311**	**0.1381**		**1.7490**	**1.7490**		**1.7490**	**1.7490**	**0.0000**	**25,052.7404**	**25,052.7404**	**0.4802**	**0.4593**	**25,201.6163**

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					
General Office Building	130500	7.0000e-004	6.4000e-003	5.3700e-003	4.0000e-005		4.9000e-004	4.9000e-004		4.9000e-004	4.9000e-004	0.0000	6.9640	6.9640	1.3000e-004	1.3000e-004	7.0054
Hotel	4.46413e+006	0.0241	0.2188	0.1838	1.3100e-003		0.0166	0.0166		0.0166	0.0166	0.0000	238.2227	238.2227	4.5700e-003	4.3700e-003	239.6384
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
User Defined Recreational	4.64876e+008	2.5067	22.7880	19.1420	0.1367		1.7319	1.7319		1.7319	1.7319	0.0000	24,807.5537	24,807.5537	0.4755	0.4548	24,954.9726
Total		**2.5315**	**23.0133**	**19.3311**	**0.1381**		**1.7490**	**1.7490**		**1.7490**	**1.7490**	**0.0000**	**25,052.7404**	**25,052.7404**	**0.4802**	**0.4593**	**25,201.6163**

5.3 Energy by Land Use - Electricity

Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
General Office Building	91200	29.0583	1.2000e-003	2.5000e-004	29.1622
Hotel	1.40935e+006	449.0491	0.0185	3.8400e-003	450.6556
Parking Lot	533610	170.0196	7.0200e-003	1.4500e-003	170.6278
User Defined Recreational	2.79301e+006	889.9112	0.0367	7.6000e-003	893.0949
Total		**1,538.0382**	**0.0635**	**0.0131**	**1,543.5406**

5.3 Energy by Land Use - Electricity

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
General Office Building	86528	27.5697	1.1400e-003	2.4000e-004	27.6683
Hotel	1.36647e+006	435.3853	0.0180	3.7200e-003	436.9430
Parking Lot	448232	142.8165	5.9000e-003	1.2200e-003	143.3274
User Defined Recreational	2.79301e+006	889.9112	0.0367	7.6000e-003	893.0949
Total		**1,495.6827**	**0.0618**	**0.0128**	**1,501.0336**

6.0 Area Detail

6.1 Mitigation Measures Area

Use Low VOC Paint - Residential Interior

Use Low VOC Paint - Residential Exterior

Use Low VOC Paint - Non-Residential Interior

Use Low VOC Paint - Non-Residential Exterior

Use Low VOC Cleaning Supplies

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	2.5571	3.4000e-004	0.0373	0.0000		1.3000e-004	1.3000e-004		1.3000e-004	1.3000e-004	0.0000	0.0725	0.0725	1.9000e-004	0.0000	0.0773
Unmitigated	2.7213	3.4000e-004	0.0373	0.0000		1.3000e-004	1.3000e-004		1.3000e-004	1.3000e-004	0.0000	0.0725	0.0725	1.9000e-004	0.0000	0.0773

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	0.4228					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	2.2950					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	3.4500e-003	3.4000e-004	0.0373	0.0000		1.3000e-004	1.3000e-004		1.3000e-004	1.3000e-004	0.0000	0.0725	0.0725	1.9000e-004	0.0000	0.0773
Total	**2.7213**	**3.4000e-004**	**0.0373**	**0.0000**		**1.3000e-004**	**1.3000e-004**		**1.3000e-004**	**1.3000e-004**	**0.0000**	**0.0725**	**0.0725**	**1.9000e-004**	**0.0000**	**0.0773**

6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.4228					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	2.1308					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	3.4500e-003	3.4000e-004	0.0373	0.0000		1.3000e-004	1.3000e-004		1.3000e-004	1.3000e-004	0.0000	0.0725	0.0725	1.9000e-004	0.0000	0.0773
Total	**2.5570**	**3.4000e-004**	**0.0373**	**0.0000**		**1.3000e-004**	**1.3000e-004**		**1.3000e-004**	**1.3000e-004**	**0.0000**	**0.0725**	**0.0725**	**1.9000e-004**	**0.0000**	**0.0773**

7.0 Water Detail

7.1 Mitigation Measures Water

Use Reclaimed Water

Install Low Flow Bathroom Faucet

Install Low Flow Kitchen Faucet

Install Low Flow Toilet

Install Low Flow Shower

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	69.6448	1.0498	0.0252	103.4109
Unmitigated	88.7362	1.3123	0.0316	130.9499

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
General Office Building	0.27156 / 0.040734	0.5998	8.8700e-003	2.1000e-004	0.8851
Hotel	13.14 / 1.971	29.0209	0.4292	0.0103	42.8267
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
User Defined Recreational	26.7662 / 4.01493	59.1155	0.8743	0.0210	87.2381
Total		**88.7362**	**1.3123**	**0.0316**	**130.9499**

7.2 Water by Land Use

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
General Office Building	0.217248 / 0.0244404	0.4707	7.1000e-003	1.7000e-004	0.6990
Hotel	10.512 / 1.1826	22.7771	0.3433	8.2500e-003	33.8202
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
User Defined Recreational	21.4129 / 2.40896	46.3970	0.6994	0.0168	68.8918
Total		**69.6448**	**1.0498**	**0.0252**	**103.4109**

8.0 Waste Detail

8.1 Mitigation Measures Waste

Institute Recycling and Composting Services

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	100.0745	5.9142	0.0000	247.9305
Unmitigated	200.1491	11.8285	0.0000	495.8609

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
General Office Building	0	0.0000	0.0000	0.0000	0.0000
Hotel	0	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
User Defined Recreational	986	200.1491	11.8285	0.0000	495.8609
Total		**200.1491**	**11.8285**	**0.0000**	**495.8609**

8.2 Waste by Land Use

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
General Office Building	0	0.0000	0.0000	0.0000	0.0000
Hotel	0	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
User Defined Recreational	493	100.0745	5.9142	0.0000	247.9305
Total		**100.0745**	**5.9142**	**0.0000**	**247.9305**

9.0 Operational Offroad

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

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type
Emergency Generator	2	0	500	2923	0.73	Diesel

Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type
Boiler	3	0	8760	0.5	Diesel

User Defined Equipment

Equipment Type	Number

10.1 Stationary Sources

Unmitigated/Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Equipment Type	tons/yr										MT/yr					
Boiler - Diesel (0 - 9999 MMBTU)	0.0319	0.6833	0.4693	0.0211		0.0939	0.0939		0.0235	0.0235	0.0000	2,128.6800	2,128.6800	0.0184	0.0000	2,129.1398
Emergency Generator - Diesel (750 - 9999 HP)	2.3984	10.7256	6.1155	0.0115		0.3528	0.3528		0.3528	0.3528	0.0000	1,113.0702	1,113.0702	0.1561	0.0000	1,116.9715
Total	**2.4303**	**11.4089**	**6.5848**	**0.0327**		**0.4467**	**0.4467**		**0.3763**	**0.3763**	**0.0000**	**3,241.7502**	**3,241.7502**	**0.1744**	**0.0000**	**3,246.1113**

11.0 Vegetation

	Total CO2	CH4	N2O	CO2e
Category	MT			
Unmitigated	-545.6000	0.0000	0.0000	-545.6000

11.1 Vegetation Land Change

Vegetation Type

	Initial/Final	Total CO2	CH4	N2O	CO2e
	Acres	MT			
Cropland	306 / 218	-545.6000	0.0000	0.0000	-545.6000
Total		**-545.6000**	**0.0000**	**0.0000**	**-545.6000**

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1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Office Building	10.00	1000sqft	0.00	10,000.00	0
User Defined Commercial	166.50	User Defined Unit	57.00	489,800.00	0
Parking Lot	4,500.00	Space	0.00	1,524,600.00	0
Hotel	400.00	Room	0.00	226,000.00	0
User Defined Recreational	5.00	User Defined Unit	0.00	217,560.00	0

1.2 Other Project Characteristics

Urbanization	Rural	**Wind Speed (m/s)**	2.7	**Precipitation Freq (Days)**	32
Climate Zone	3			**Operational Year**	2023
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	702.44	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - CalEEMod table

Construction Phase - CalEEMod table

Off-road Equipment -

Off-road Equipment -

Off-road Equipment -

Off-road Equipment -

Off-road Equipment -

Off-road Equipment -

Trips and VMT - CalEEMod table

Demolition -

Grading - DPSI

Vehicle Trips - CalEEMod Table 3

Energy Use - CalEEMod Table 4

Water And Wastewater - CalEEMod Table 1

Solid Waste - CalEEMod table

Land Use Change -

Construction Off-road Equipment Mitigation - CalEEMod table

Mobile Land Use Mitigation -

Area Mitigation -

Energy Mitigation -

Water Mitigation -

Waste Mitigation -

Stationary Sources - Emergency Generators and Fire Pumps -

Stationary Sources - Process Boilers -

Stationary Sources - User Defined -

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Table Name	Column Name	Default Value	New Value
tblAreaMitigation	UseLowVOCPaintParkingCheck	False	True
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	15
tblConstEquipMitigation	DPF	No Change	Level 3
tblConstEquipMitigation	DPF	No Change	Level 3
tblConstEquipMitigation	DPF	No Change	Level 3
tblConstEquipMitigation	DPF	No Change	Level 3
tblConstEquipMitigation	DPF	No Change	Level 3
tblConstEquipMitigation	DPF	No Change	Level 3
tblConstEquipMitigation	DPF	No Change	Level 3
tblConstEquipMitigation	DPF	No Change	Level 3
tblConstEquipMitigation	DPF	No Change	Level 3
tblConstEquipMitigation	DPF	No Change	Level 3
tblConstEquipMitigation	DPF	No Change	Level 3
tblConstEquipMitigation	DPF	No Change	Level 3
tblConstEquipMitigation	DPF	No Change	Level 3
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	5.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	3.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	6.00

tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	9.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstructionPhase	NumDays	75.00	270.00
tblConstructionPhase	NumDays	1,110.00	322.00
tblConstructionPhase	NumDays	70.00	14.00
tblConstructionPhase	NumDays	110.00	48.00
tblConstructionPhase	NumDays	75.00	112.00
tblConstructionPhase	NumDays	40.00	35.00
tblEnergyUse	LightingElect	0.00	0.15
tblEnergyUse	NT24E	0.00	7.45
tblEnergyUse	NT24E	0.00	0.23
tblEnergyUse	NT24NG	0.00	1,240.00
tblEnergyUse	NT24NG	0.00	0.70
tblEnergyUse	T24E	0.00	0.41

tblEnergyUse	T24NG	0.00	1.80
tblGrading	AcresOfGrading	120.00	49.00
tblGrading	MaterialImported	0.00	6,375.00
tblLandUse	LandUseSquareFeet	0.00	489,800.00
tblLandUse	LandUseSquareFeet	1,800,000.00	1,524,600.00
tblLandUse	LandUseSquareFeet	580,800.00	226,000.00
tblLandUse	LandUseSquareFeet	0.00	217,560.00
tblLandUse	LotAcreage	0.23	0.00
tblLandUse	LotAcreage	0.00	57.00
tblLandUse	LotAcreage	40.50	0.00
tblLandUse	LotAcreage	13.33	0.00
tblProjectCharacteristics	UrbanizationLevel	Urban	Rural
tblSolidWaste	SolidWasteGenerationRate	9.30	0.00
tblSolidWaste	SolidWasteGenerationRate	219.00	0.00
tblSolidWaste	SolidWasteGenerationRate	0.00	1,168.00
tblStationaryBoilersUse	AnnualHeatInput	0.00	8,760.00
tblStationaryBoilersUse	BoilerRatingValue	0.00	0.50
tblStationaryBoilersUse	NumberOfEquipment	0.00	4.00
tblStationaryGeneratorsPumpsUse	HorsePowerValue	0.00	2,923.00
tblStationaryGeneratorsPumpsUse	HoursPerYear	0.00	500.00
tblStationaryGeneratorsPumpsUse	NumberOfEquipment	0.00	3.00
tblVehicleTrips	CC_TL	6.60	43.00
tblVehicleTrips	CC_TL	6.60	43.00
tblVehicleTrips	CC_TL	6.60	43.00
tblVehicleTrips	CC_TTP	0.00	79.20
tblVehicleTrips	CC_TTP	0.00	62.00
tblVehicleTrips	CNW_TL	6.60	22.00

tblVehicleTrips	CNW_TL	6.60	22.00
tblVehicleTrips	CNW_TL	6.60	22.00
tblVehicleTrips	CNW_TTP	0.00	19.00
tblVehicleTrips	CNW_TTP	0.00	19.00
tblVehicleTrips	CW_TL	14.70	22.00
tblVehicleTrips	CW_TL	14.70	22.00
tblVehicleTrips	CW_TL	14.70	22.00
tblVehicleTrips	CW_TTP	0.00	1.80
tblVehicleTrips	CW_TTP	0.00	19.00
tblVehicleTrips	PR_TP	0.00	100.00
tblVehicleTrips	PR_TP	0.00	100.00
tblVehicleTrips	ST_TR	8.19	3.00
tblVehicleTrips	ST_TR	0.00	73.22
tblVehicleTrips	ST_TR	0.00	10.00
tblVehicleTrips	SU_TR	5.95	3.00
tblVehicleTrips	SU_TR	0.00	73.22
tblVehicleTrips	SU_TR	0.00	10.00
tblVehicleTrips	WD_TR	8.17	3.00
tblVehicleTrips	WD_TR	0.00	44.18
tblVehicleTrips	WD_TR	0.00	7.00
tblWater	IndoorWaterUseRate	1,777,337.48	271,560.00
tblWater	IndoorWaterUseRate	10,146,708.00	17,520,000.00
tblWater	IndoorWaterUseRate	0.00	31,509,720.00
tblWater	IndoorWaterUseRate	0.00	1,642,500.00
tblWater	OutdoorWaterUseRate	1,089,335.87	40,734.00
tblWater	OutdoorWaterUseRate	1,127,412.00	2,628,000.00
tblWater	OutdoorWaterUseRate	0.00	4,726,458.00

tblWater	OutdoorWaterUseRate	0.00	246,375.00

2.0 Emissions Summary

2.1 Overall Construction

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2022	0.6883	3.8702	3.1806	0.0117	1.0358	0.1114	1.1472	0.4039	0.1033	0.5072	0.0000	1,065.8934	1,065.8934	0.1254	0.0000	1,069.0288
2023	7.6563	6.9071	8.1963	0.0352	2.1970	0.1413	2.3383	0.5906	0.1327	0.7233	0.0000	3,219.6256	3,219.6256	0.2074	0.0000	3,224.8103
Maximum	**7.6563**	**6.9071**	**8.1963**	**0.0352**	**2.1970**	**0.1413**	**2.3383**	**0.5906**	**0.1327**	**0.7233**	**0.0000**	**3,219.6256**	**3,219.6256**	**0.2074**	**0.0000**	**3,224.8103**

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2022	0.5632	3.0652	3.4219	0.0117	0.7679	0.0305	0.7984	0.2630	0.0288	0.2918	0.0000	1,065.8931	1,065.8931	0.1254	0.0000	1,069.0285
2023	7.4869	6.4367	8.5563	0.0352	2.1970	0.0337	2.2306	0.5906	0.0326	0.6231	0.0000	3,219.6251	3,219.6251	0.2074	0.0000	3,224.8098
Maximum	**7.4869**	**6.4367**	**8.5563**	**0.0352**	**2.1970**	**0.0337**	**2.2306**	**0.5906**	**0.0326**	**0.6231**	**0.0000**	**3,219.6251**	**3,219.6251**	**0.2074**	**0.0000**	**3,224.8098**

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	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**3.53**	**11.83**	**-5.28**	**0.00**	**8.29**	**74.62**	**13.10**	**14.17**	**74.02**	**25.65**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
1	**6-1-2022**	**8-31-2022**	1.5544	0.9415
2	**9-1-2022**	**11-30-2022**	2.0098	1.7678
3	**12-1-2022**	**2-28-2023**	3.2986	3.1113
4	**3-1-2023**	**5-31-2023**	3.5837	3.4077
5	**6-1-2023**	**8-31-2023**	3.9512	3.7960
6	**9-1-2023**	**9-30-2023**	1.2884	1.2378
		Highest	3.9512	3.7960

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	4.4748	4.2000e-004	0.0467	0.0000		1.7000e-004	1.7000e-004		1.7000e-004	1.7000e-004	0.0000	0.0908	0.0908	2.4000e-004	0.0000	0.0968
Energy	3.3092	30.0838	25.2704	0.1805		2.2864	2.2864		2.2864	2.2864	0.0000	34,738.1586	34,738.1586	0.7098	0.6174	34,939.8880
Mobile	7.7847	80.3285	118.1746	0.7828	51.6876	0.4516	52.1392	13.9031	0.4240	14.3272	0.0000	72,791.5190	72,791.5190	2.0913	0.0000	72,843.8003
Stationary	3.6402	16.9994	9.7989	0.0455		0.6544	0.6544		0.5605	0.5605	0.0000	4,507.8453	4,507.8453	0.2586	0.0000	4,514.3104
Waste						0.0000	0.0000		0.0000	0.0000	237.0934	0.0000	237.0934	14.0118	0.0000	587.3890
Water						0.0000	0.0000		0.0000	0.0000	16.1621	96.3518	112.5140	1.6640	0.0400	166.0393
Total	**19.2090**	**127.4122**	**153.2906**	**1.0088**	**51.6876**	**3.3925**	**55.0801**	**13.9031**	**3.2711**	**17.1742**	**253.2556**	**112,133.9656**	**112,387.2211**	**18.7357**	**0.6574**	**113,051.5236**

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	4.4748	4.2000e-004	0.0467	0.0000		1.7000e-004	1.7000e-004		1.7000e-004	1.7000e-004	0.0000	0.0908	0.0908	2.4000e-004	0.0000	0.0968
Energy	3.3092	30.0838	25.2704	0.1805		2.2864	2.2864		2.2864	2.2864	0.0000	34,690.4060	34,690.4060	0.7078	0.6170	34,891.9645
Mobile	7.7847	80.3285	118.1746	0.7828	51.6876	0.4516	52.1392	13.9031	0.4240	14.3272	0.0000	72,791.5190	72,791.5190	2.0913	0.0000	72,843.8003
Stationary	3.6402	16.9994	9.7989	0.0455		0.6544	0.6544		0.5605	0.5605	0.0000	4,507.8453	4,507.8453	0.2586	0.0000	4,514.3104
Waste						0.0000	0.0000		0.0000	0.0000	118.5467	0.0000	118.5467	7.0059	0.0000	293.6945
Water						0.0000	0.0000		0.0000	0.0000	12.9297	75.3771	88.3068	1.3311	0.0320	131.1210
Total	**19.2090**	**127.4122**	**153.2906**	**1.0088**	**51.6876**	**3.3925**	**55.0801**	**13.9031**	**3.2711**	**17.1742**	**131.4764**	**112,065.2382**	**112,196.7146**	**11.3949**	**0.6490**	**112,674.9874**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**48.09**	**0.06**	**0.17**	**39.18**	**1.28**	**0.33**

2.3 Vegetation

Vegetation

	CO2e
Category	MT
Vegetation Land Change	-353.4000
Total	**-353.4000**

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	6/1/2022	6/20/2022	5	14	
2	Site Preparation	Site Preparation	6/1/2022	7/19/2022	5	35	
3	Grading	Grading	7/20/2022	9/23/2022	5	48	
4	Building Construction	Building Construction	9/24/2022	12/19/2023	5	322	
5	Architectural Coating	Architectural Coating	12/19/2022	12/29/2023	5	270	
6	Paving	Paving	6/1/2023	11/3/2023	5	112	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 49

Acres of Paving: 0

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 1,415,040; Non-Residential Outdoor: 471,680; Striped Parking Area: 91,476 (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	Excavators	3	8.00	158	0.38
Demolition	Rubber Tired Dozers	2	8.00	247	0.40
Site Preparation	Rubber Tired Dozers	3	8.00	247	0.40
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Grading	Excavators	2	8.00	158	0.38
Grading	Graders	1	8.00	187	0.41
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Grading	Scrapers	2	8.00	367	0.48
Grading	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Building Construction	Cranes	1	7.00	231	0.29
Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45
Paving	Pavers	2	8.00	130	0.42
Paving	Paving Equipment	2	8.00	132	0.36
Paving	Rollers	2	8.00	80	0.38
Architectural Coating	Air Compressors	1	6.00	78	0.48

Trips and VMT

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	6	15.00	0.00	0.00	16.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	7	18.00	0.00	0.00	16.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Grading	8	20.00	0.00	797.00	16.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	987.00	404.00	0.00	16.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	16.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	197.00	0.00	0.00	16.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Use Cleaner Engines for Construction Equipment

Use DPF for Construction Equipment

Use Soil Stabilizer

Water Exposed Area

Reduce Vehicle Speed on Unpaved Roads

3.2 Demolition - 2022

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	0.0185	0.1800	0.1442	2.7000e-004		8.7000e-003	8.7000e-003		8.0900e-003	8.0900e-003	0.0000	23.7932	23.7932	6.6800e-003	0.0000	23.9602
Total	**0.0185**	**0.1800**	**0.1442**	**2.7000e-004**		**8.7000e-003**	**8.7000e-003**		**8.0900e-003**	**8.0900e-003**	**0.0000**	**23.7932**	**23.7932**	**6.6800e-003**	**0.0000**	**23.9602**

3.2 Demolition - 2022

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	4.8000e-004	3.2000e-004	3.2800e-003	1.0000e-005	1.3200e-003	1.0000e-005	1.3200e-003	3.5000e-004	1.0000e-005	3.6000e-004	0.0000	1.1113	1.1113	2.0000e-005	0.0000	1.1119
Total	**4.8000e-004**	**3.2000e-004**	**3.2800e-003**	**1.0000e-005**	**1.3200e-003**	**1.0000e-005**	**1.3200e-003**	**3.5000e-004**	**1.0000e-005**	**3.6000e-004**	**0.0000**	**1.1113**	**1.1113**	**2.0000e-005**	**0.0000**	**1.1119**

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	6.4700e-003	0.1282	0.1727	2.7000e-004		9.1000e-004	9.1000e-004		9.1000e-004	9.1000e-004	0.0000	23.7931	23.7931	6.6800e-003	0.0000	23.9602
Total	**6.4700e-003**	**0.1282**	**0.1727**	**2.7000e-004**		**9.1000e-004**	**9.1000e-004**		**9.1000e-004**	**9.1000e-004**	**0.0000**	**23.7931**	**23.7931**	**6.6800e-003**	**0.0000**	**23.9602**

3.2 Demolition - 2022

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	4.8000e-004	3.2000e-004	3.2800e-003	1.0000e-005	1.3200e-003	1.0000e-005	1.3200e-003	3.5000e-004	1.0000e-005	3.6000e-004	0.0000	1.1113	1.1113	2.0000e-005	0.0000	1.1119
Total	**4.8000e-004**	**3.2000e-004**	**3.2800e-003**	**1.0000e-005**	**1.3200e-003**	**1.0000e-005**	**1.3200e-003**	**3.5000e-004**	**1.0000e-005**	**3.6000e-004**	**0.0000**	**1.1113**	**1.1113**	**2.0000e-005**	**0.0000**	**1.1119**

3.3 Site Preparation - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.3162	0.0000	0.3162	0.1738	0.0000	0.1738	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0555	0.5790	0.3447	6.7000e-004		0.0282	0.0282		0.0260	0.0260	0.0000	58.5189	58.5189	0.0189	0.0000	58.9921
Total	**0.0555**	**0.5790**	**0.3447**	**6.7000e-004**	**0.3162**	**0.0282**	**0.3444**	**0.1738**	**0.0260**	**0.1998**	**0.0000**	**58.5189**	**58.5189**	**0.0189**	**0.0000**	**58.9921**

3.3 Site Preparation - 2022

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.4500e-003	9.7000e-004	9.8400e-003	4.0000e-005	3.9500e-003	3.0000e-005	3.9700e-003	1.0500e-003	2.0000e-005	1.0700e-003	0.0000	3.3339	3.3339	7.0000e-005	0.0000	3.3357
Total	**1.4500e-003**	**9.7000e-004**	**9.8400e-003**	**4.0000e-005**	**3.9500e-003**	**3.0000e-005**	**3.9700e-003**	**1.0500e-003**	**2.0000e-005**	**1.0700e-003**	**0.0000**	**3.3339**	**3.3339**	**7.0000e-005**	**0.0000**	**3.3357**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.1423	0.0000	0.1423	0.0782	0.0000	0.0782	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0136	0.2238	0.4018	6.7000e-004		1.2600e-003	1.2600e-003		1.2600e-003	1.2600e-003	0.0000	58.5189	58.5189	0.0189	0.0000	58.9920
Total	**0.0136**	**0.2238**	**0.4018**	**6.7000e-004**	**0.1423**	**1.2600e-003**	**0.1435**	**0.0782**	**1.2600e-003**	**0.0795**	**0.0000**	**58.5189**	**58.5189**	**0.0189**	**0.0000**	**58.9920**

3.3 Site Preparation - 2022

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.4500e-003	9.7000e-004	9.8400e-003	4.0000e-005	3.9500e-003	3.0000e-005	3.9700e-003	1.0500e-003	2.0000e-005	1.0700e-003	0.0000	3.3339	3.3339	7.0000e-005	0.0000	3.3357
Total	**1.4500e-003**	**9.7000e-004**	**9.8400e-003**	**4.0000e-005**	**3.9500e-003**	**3.0000e-005**	**3.9700e-003**	**1.0500e-003**	**2.0000e-005**	**1.0700e-003**	**0.0000**	**3.3339**	**3.3339**	**7.0000e-005**	**0.0000**	**3.3357**

3.4 Grading - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.1710	0.0000	0.1710	0.0823	0.0000	0.0823	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0870	0.9322	0.6970	1.4900e-003		0.0392	0.0392		0.0361	0.0361	0.0000	130.8830	130.8830	0.0423	0.0000	131.9413
Total	**0.0870**	**0.9322**	**0.6970**	**1.4900e-003**	**0.1710**	**0.0392**	**0.2102**	**0.0823**	**0.0361**	**0.1184**	**0.0000**	**130.8830**	**130.8830**	**0.0423**	**0.0000**	**131.9413**

3.4 Grading - 2022

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	2.7600e-003	0.0922	0.0146	3.1000e-004	6.8700e-003	2.6000e-004	7.1400e-003	1.8900e-003	2.5000e-004	2.1400e-003	0.0000	29.7887	29.7887	1.5900e-003	0.0000	29.8285
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.2100e-003	1.4700e-003	0.0150	6.0000e-005	6.0100e-003	4.0000e-005	6.0500e-003	1.6000e-003	4.0000e-005	1.6300e-003	0.0000	5.0803	5.0803	1.1000e-004	0.0000	5.0830
Total	**4.9700e-003**	**0.0937**	**0.0296**	**3.7000e-004**	**0.0129**	**3.0000e-004**	**0.0132**	**3.4900e-003**	**2.9000e-004**	**3.7700e-003**	**0.0000**	**34.8690**	**34.8690**	**1.7000e-003**	**0.0000**	**34.9115**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0769	0.0000	0.0769	0.0370	0.0000	0.0370	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0562	0.7274	0.7996	1.4900e-003		0.0186	0.0186		0.0173	0.0173	0.0000	130.8829	130.8829	0.0423	0.0000	131.9411
Total	**0.0562**	**0.7274**	**0.7996**	**1.4900e-003**	**0.0769**	**0.0186**	**0.0956**	**0.0370**	**0.0173**	**0.0543**	**0.0000**	**130.8829**	**130.8829**	**0.0423**	**0.0000**	**131.9411**

3.4 Grading - 2022

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	2.7600e-003	0.0922	0.0146	3.1000e-004	6.8700e-003	2.6000e-004	7.1400e-003	1.8900e-003	2.5000e-004	2.1400e-003	0.0000	29.7887	29.7887	1.5900e-003	0.0000	29.8285
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.2100e-003	1.4700e-003	0.0150	6.0000e-005	6.0100e-003	4.0000e-005	6.0500e-003	1.6000e-003	4.0000e-005	1.6300e-003	0.0000	5.0803	5.0803	1.1000e-004	0.0000	5.0830
Total	**4.9700e-003**	**0.0937**	**0.0296**	**3.7000e-004**	**0.0129**	**3.0000e-004**	**0.0132**	**3.4900e-003**	**2.9000e-004**	**3.7700e-003**	**0.0000**	**34.8690**	**34.8690**	**1.7000e-003**	**0.0000**	**34.9115**

3.5 Building Construction - 2022

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	0.0597	0.5466	0.5727	9.4000e-004		0.0283	0.0283		0.0266	0.0266	0.0000	81.1038	81.1038	0.0194	0.0000	81.5896
Total	**0.0597**	**0.5466**	**0.5727**	**9.4000e-004**		**0.0283**	**0.0283**		**0.0266**	**0.0266**	**0.0000**	**81.1038**	**81.1038**	**0.0194**	**0.0000**	**81.5896**

3.5 Building Construction - 2022

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0411	1.4215	0.2602	3.7400e-003	0.0854	3.3000e-003	0.0887	0.0246	3.1500e-003	0.0278	0.0000	354.9560	354.9560	0.0282	0.0000	355.6602
Worker	0.1593	0.1059	1.0793	4.0400e-003	0.4328	2.7700e-003	0.4356	0.1150	2.5500e-003	0.1175	0.0000	365.6224	365.6224	7.7800e-003	0.0000	365.8168
Total	**0.2004**	**1.5273**	**1.3395**	**7.7800e-003**	**0.5182**	**6.0700e-003**	**0.5243**	**0.1396**	**5.7000e-003**	**0.1453**	**0.0000**	**720.5784**	**720.5784**	**0.0360**	**0.0000**	**721.4770**

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	0.0201	0.3537	0.6256	9.4000e-004		3.1400e-003	3.1400e-003		3.1400e-003	3.1400e-003	0.0000	81.1037	81.1037	0.0194	0.0000	81.5895
Total	**0.0201**	**0.3537**	**0.6256**	**9.4000e-004**		**3.1400e-003**	**3.1400e-003**		**3.1400e-003**	**3.1400e-003**	**0.0000**	**81.1037**	**81.1037**	**0.0194**	**0.0000**	**81.5895**

3.5 Building Construction - 2022

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0411	1.4215	0.2602	3.7400e-003	0.0854	3.3000e-003	0.0887	0.0246	3.1500e-003	0.0278	0.0000	354.9560	354.9560	0.0282	0.0000	355.6602
Worker	0.1593	0.1059	1.0793	4.0400e-003	0.4328	2.7700e-003	0.4356	0.1150	2.5500e-003	0.1175	0.0000	365.6224	365.6224	7.7800e-003	0.0000	365.8168
Total	**0.2004**	**1.5273**	**1.3395**	**7.7800e-003**	**0.5182**	**6.0700e-003**	**0.5243**	**0.1396**	**5.7000e-003**	**0.1453**	**0.0000**	**720.5784**	**720.5784**	**0.0360**	**0.0000**	**721.4770**

3.5 Building Construction - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1982	1.8125	2.0467	3.4000e-003		0.0882	0.0882		0.0830	0.0830	0.0000	292.0740	292.0740	0.0695	0.0000	293.8110
Total	**0.1982**	**1.8125**	**2.0467**	**3.4000e-003**		**0.0882**	**0.0882**		**0.0830**	**0.0830**	**0.0000**	**292.0740**	**292.0740**	**0.0695**	**0.0000**	**293.8110**

3.5 Building Construction - 2023

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.1047	3.9403	0.7816	0.0131	0.3073	3.6100e-003	0.3109	0.0887	3.4500e-003	0.0922	0.0000	1,246.1032	1,246.1032	0.0693	0.0000	1,247.8363
Worker	0.5349	0.3416	3.5589	0.0140	1.5582	9.7100e-003	1.5679	0.4138	8.9400e-003	0.4228	0.0000	1,266.6975	1,266.6975	0.0250	0.0000	1,267.3226
Total	**0.6396**	**4.2819**	**4.3405**	**0.0271**	**1.8655**	**0.0133**	**1.8789**	**0.5025**	**0.0124**	**0.5149**	**0.0000**	**2,512.8007**	**2,512.8007**	**0.0943**	**0.0000**	**2,515.1589**

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	0.0724	1.2733	2.2521	3.4000e-003		0.0113	0.0113		0.0113	0.0113	0.0000	292.0736	292.0736	0.0695	0.0000	293.8106
Total	**0.0724**	**1.2733**	**2.2521**	**3.4000e-003**		**0.0113**	**0.0113**		**0.0113**	**0.0113**	**0.0000**	**292.0736**	**292.0736**	**0.0695**	**0.0000**	**293.8106**

3.5 Building Construction - 2023

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.1047	3.9403	0.7816	0.0131	0.3073	3.6100e-003	0.3109	0.0887	3.4500e-003	0.0922	0.0000	1,246.1032	1,246.1032	0.0693	0.0000	1,247.8363
Worker	0.5349	0.3416	3.5589	0.0140	1.5582	9.7100e-003	1.5679	0.4138	8.9400e-003	0.4228	0.0000	1,266.6975	1,266.6975	0.0250	0.0000	1,267.3226
Total	**0.6396**	**4.2819**	**4.3405**	**0.0271**	**1.8655**	**0.0133**	**1.8789**	**0.5025**	**0.0124**	**0.5149**	**0.0000**	**2,512.8007**	**2,512.8007**	**0.0943**	**0.0000**	**2,515.1589**

3.6 Architectural Coating - 2022

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	0.2547					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	1.0200e-003	7.0400e-003	9.0700e-003	1.0000e-005		4.1000e-004	4.1000e-004		4.1000e-004	4.1000e-004	0.0000	1.2766	1.2766	8.0000e-005	0.0000	1.2787
Total	**0.2557**	**7.0400e-003**	**9.0700e-003**	**1.0000e-005**		**4.1000e-004**	**4.1000e-004**		**4.1000e-004**	**4.1000e-004**	**0.0000**	**1.2766**	**1.2766**	**8.0000e-005**	**0.0000**	**1.2787**

3.6 Architectural Coating - 2022

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	4.5400e-003	3.0200e-003	0.0308	1.2000e-004	0.0123	8.0000e-005	0.0124	3.2800e-003	7.0000e-005	3.3500e-003	0.0000	10.4252	10.4252	2.2000e-004	0.0000	10.4307
Total	**4.5400e-003**	**3.0200e-003**	**0.0308**	**1.2000e-004**	**0.0123**	**8.0000e-005**	**0.0124**	**3.2800e-003**	**7.0000e-005**	**3.3500e-003**	**0.0000**	**10.4252**	**10.4252**	**2.2000e-004**	**0.0000**	**10.4307**

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	0.2547					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	3.0000e-004	6.7800e-003	9.1600e-003	1.0000e-005		7.0000e-005	7.0000e-005		7.0000e-005	7.0000e-005	0.0000	1.2766	1.2766	8.0000e-005	0.0000	1.2787
Total	**0.2550**	**6.7800e-003**	**9.1600e-003**	**1.0000e-005**		**7.0000e-005**	**7.0000e-005**		**7.0000e-005**	**7.0000e-005**	**0.0000**	**1.2766**	**1.2766**	**8.0000e-005**	**0.0000**	**1.2787**

3.6 Architectural Coating - 2022

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	4.5400e-003	3.0200e-003	0.0308	1.2000e-004	0.0123	8.0000e-005	0.0124	3.2800e-003	7.0000e-005	3.3500e-003	0.0000	10.4252	10.4252	2.2000e-004	0.0000	10.4307
Total	**4.5400e-003**	**3.0200e-003**	**0.0308**	**1.2000e-004**	**0.0123**	**8.0000e-005**	**0.0124**	**3.2800e-003**	**7.0000e-005**	**3.3500e-003**	**0.0000**	**10.4252**	**10.4252**	**2.2000e-004**	**0.0000**	**10.4307**

3.6 Architectural Coating - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	6.6220					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0249	0.1694	0.2355	3.9000e-004		9.2100e-003	9.2100e-003		9.2100e-003	9.2100e-003	0.0000	33.1923	33.1923	1.9900e-003	0.0000	33.2419
Total	**6.6469**	**0.1694**	**0.2355**	**3.9000e-004**		**9.2100e-003**	**9.2100e-003**		**9.2100e-003**	**9.2100e-003**	**0.0000**	**33.1923**	**33.1923**	**1.9900e-003**	**0.0000**	**33.2419**

3.6 Architectural Coating - 2023

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.1102	0.0703	0.7329	2.8800e-003	0.3209	2.0000e-003	0.3229	0.0852	1.8400e-003	0.0871	0.0000	260.8524	260.8524	5.1500e-003	0.0000	260.9811
Total	**0.1102**	**0.0703**	**0.7329**	**2.8800e-003**	**0.3209**	**2.0000e-003**	**0.3229**	**0.0852**	**1.8400e-003**	**0.0871**	**0.0000**	**260.8524**	**260.8524**	**5.1500e-003**	**0.0000**	**260.9811**

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	6.6220					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	7.7300e-003	0.1764	0.2382	3.9000e-004		1.8500e-003	1.8500e-003		1.8500e-003	1.8500e-003	0.0000	33.1923	33.1923	1.9900e-003	0.0000	33.2419
Total	**6.6297**	**0.1764**	**0.2382**	**3.9000e-004**		**1.8500e-003**	**1.8500e-003**		**1.8500e-003**	**1.8500e-003**	**0.0000**	**33.1923**	**33.1923**	**1.9900e-003**	**0.0000**	**33.2419**

3.6 Architectural Coating - 2023

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.1102	0.0703	0.7329	2.8800e-003	0.3209	2.0000e-003	0.3229	0.0852	1.8400e-003	0.0871	0.0000	260.8524	260.8524	5.1500e-003	0.0000	260.9811
Total	**0.1102**	**0.0703**	**0.7329**	**2.8800e-003**	**0.3209**	**2.0000e-003**	**0.3229**	**0.0852**	**1.8400e-003**	**0.0871**	**0.0000**	**260.8524**	**260.8524**	**5.1500e-003**	**0.0000**	**260.9811**

3.7 Paving - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0578	0.5707	0.8167	1.2800e-003		0.0286	0.0286		0.0263	0.0263	0.0000	112.1505	112.1505	0.0363	0.0000	113.0573
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0578**	**0.5707**	**0.8167**	**1.2800e-003**		**0.0286**	**0.0286**		**0.0263**	**0.0263**	**0.0000**	**112.1505**	**112.1505**	**0.0363**	**0.0000**	**113.0573**

3.7 Paving - 2023

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.6100e-003	2.3100e-003	0.0240	9.0000e-005	0.0105	7.0000e-005	0.0106	2.8000e-003	6.0000e-005	2.8600e-003	0.0000	8.5559	8.5559	1.7000e-004	0.0000	8.5601
Total	**3.6100e-003**	**2.3100e-003**	**0.0240**	**9.0000e-005**	**0.0105**	**7.0000e-005**	**0.0106**	**2.8000e-003**	**6.0000e-005**	**2.8600e-003**	**0.0000**	**8.5559**	**8.5559**	**1.7000e-004**	**0.0000**	**8.5601**

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	0.0314	0.6325	0.9686	1.2800e-003		5.1200e-003	5.1200e-003		5.1200e-003	5.1200e-003	0.0000	112.1503	112.1503	0.0363	0.0000	113.0571
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0314**	**0.6325**	**0.9686**	**1.2800e-003**		**5.1200e-003**	**5.1200e-003**		**5.1200e-003**	**5.1200e-003**	**0.0000**	**112.1503**	**112.1503**	**0.0363**	**0.0000**	**113.0571**

3.7 Paving - 2023

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.6100e-003	2.3100e-003	0.0240	9.0000e-005	0.0105	7.0000e-005	0.0106	2.8000e-003	6.0000e-005	2.8600e-003	0.0000	8.5559	8.5559	1.7000e-004	0.0000	8.5601
Total	**3.6100e-003**	**2.3100e-003**	**0.0240**	**9.0000e-005**	**0.0105**	**7.0000e-005**	**0.0106**	**2.8000e-003**	**6.0000e-005**	**2.8600e-003**	**0.0000**	**8.5559**	**8.5559**	**1.7000e-004**	**0.0000**	**8.5601**

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	7.7847	80.3285	118.1746	0.7828	51.6876	0.4516	52.1392	13.9031	0.4240	14.3272	0.0000	72,791.5190	72,791.5190	2.0913	0.0000	72,843.8003
Unmitigated	7.7847	80.3285	118.1746	0.7828	51.6876	0.4516	52.1392	13.9031	0.4240	14.3272	0.0000	72,791.5190	72,791.5190	2.0913	0.0000	72,843.8003

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
General Office Building	110.30	24.60	10.50	231,357	231,357
Hotel	1,200.00	1,200.00	1200.00	10,302,277	10,302,277
Parking Lot	0.00	0.00	0.00		
User Defined Commercial	7,355.97	12,191.13	12191.13	122,866,361	122,866,361
User Defined Recreational	35.00	50.00	50.00	500,786	500,786
Total	8,701.27	13,465.73	13,451.63	133,900,781	133,900,781

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
General Office Building	14.70	6.60	6.60	33.00	48.00	19.00	77	19	4
Hotel	22.00	43.00	22.00	19.40	61.60	19.00	58	38	4
Parking Lot	14.70	6.60	6.60	0.00	0.00	0.00	0	0	0
User Defined Commercial	22.00	43.00	22.00	1.80	79.20	19.00	100	0	0
User Defined Recreational	22.00	43.00	22.00	19.00	62.00	19.00	100	0	0

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
General Office Building	0.487920	0.030073	0.170877	0.112061	0.016651	0.005572	0.019337	0.146855	0.001612	0.001610	0.005760	0.000912	0.000759
Hotel	0.487920	0.030073	0.170877	0.112061	0.016651	0.005572	0.019337	0.146855	0.001612	0.001610	0.005760	0.000912	0.000759
Parking Lot	0.487920	0.030073	0.170877	0.112061	0.016651	0.005572	0.019337	0.146855	0.001612	0.001610	0.005760	0.000912	0.000759
User Defined Commercial	0.487920	0.030073	0.170877	0.112061	0.016651	0.005572	0.019337	0.146855	0.001612	0.001610	0.005760	0.000912	0.000759
User Defined Recreational	0.487920	0.030073	0.170877	0.112061	0.016651	0.005572	0.019337	0.146855	0.001612	0.001610	0.005760	0.000912	0.000759

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

Install High Efficiency Lighting

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Electricity Mitigated						0.0000	0.0000		0.0000	0.0000	0.0000	1,940.4872	1,940.4872	0.0801	0.0166	1,947.4294
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	1,988.2399	1,988.2399	0.0821	0.0170	1,995.3529
NaturalGas Mitigated	3.3092	30.0838	25.2704	0.1805		2.2864	2.2864		2.2864	2.2864	0.0000	32,749.9188	32,749.9188	0.6277	0.6004	32,944.5352
NaturalGas Unmitigated	3.3092	30.0838	25.2704	0.1805		2.2864	2.2864		2.2864	2.2864	0.0000	32,749.9188	32,749.9188	0.6277	0.6004	32,944.5352

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
General Office Building	130500	7.0000e-004	6.4000e-003	5.3700e-003	4.0000e-005		4.9000e-004	4.9000e-004		4.9000e-004	4.9000e-004	0.0000	6.9640	6.9640	1.3000e-004	1.3000e-004	7.0054
Hotel	5.6839e+006	0.0307	0.2786	0.2340	1.6700e-003		0.0212	0.0212		0.0212	0.0212	0.0000	303.3146	303.3146	5.8100e-003	5.5600e-003	305.1170
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
User Defined Commercial	6.07352e+008	3.2749	29.7722	25.0086	0.1786		2.2627	2.2627		2.2627	2.2627	0.0000	32,410.6157	32,410.6157	0.6212	0.5942	32,603.2157
User Defined Recreational	543900	2.9300e-003	0.0267	0.0224	1.6000e-004		2.0300e-003	2.0300e-003		2.0300e-003	2.0300e-003	0.0000	29.0246	29.0246	5.6000e-004	5.3000e-004	29.1971
Total		**3.3092**	**30.0838**	**25.2704**	**0.1805**		**2.2864**	**2.2864**		**2.2864**	**2.2864**	**0.0000**	**32,749.9188**	**32,749.9188**	**0.6277**	**0.6004**	**32,944.5352**

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					
General Office Building	130500	7.0000e-004	6.4000e-003	5.3700e-003	4.0000e-005		4.9000e-004	4.9000e-004		4.9000e-004	4.9000e-004	0.0000	6.9640	6.9640	1.3000e-004	1.3000e-004	7.0054
Hotel	5.6839e+006	0.0307	0.2786	0.2340	1.6700e-003		0.0212	0.0212		0.0212	0.0212	0.0000	303.3146	303.3146	5.8100e-003	5.5600e-003	305.1170
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
User Defined Commercial	6.07352e+008	3.2749	29.7722	25.0086	0.1786		2.2627	2.2627		2.2627	2.2627	0.0000	32,410.6157	32,410.6157	0.6212	0.5942	32,603.2157
User Defined Recreational	543900	2.9300e-003	0.0267	0.0224	1.6000e-004		2.0300e-003	2.0300e-003		2.0300e-003	2.0300e-003	0.0000	29.0246	29.0246	5.6000e-004	5.3000e-004	29.1971
Total		**3.3092**	**30.0838**	**25.2704**	**0.1805**		**2.2864**	**2.2864**		**2.2864**	**2.2864**	**0.0000**	**32,749.9188**	**32,749.9188**	**0.6277**	**0.6004**	**32,944.5352**

5.3 Energy by Land Use - Electricity

Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
General Office Building	91200	29.0583	1.2000e-003	2.5000e-004	29.1622
Hotel	1.79444e+006	571.7470	0.0236	4.8800e-003	573.7925
Parking Lot	533610	170.0196	7.0200e-003	1.4500e-003	170.6278
User Defined Commercial	3.64901e+006	1,162.6528	0.0480	9.9300e-003	1,166.8122
User Defined Recreational	171872	54.7622	2.2600e-003	4.7000e-004	54.9581
Total		**1,988.2399**	**0.0821**	**0.0170**	**1,995.3529**

5.3 Energy by Land Use - Electricity

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
General Office Building	86528	27.5697	1.1400e-003	2.4000e-004	27.6683
Hotel	1.73984e+006	554.3498	0.0229	4.7400e-003	556.3330
Parking Lot	448232	142.8165	5.9000e-003	1.2200e-003	143.3274
User Defined Commercial	3.64901e+006	1,162.6528	0.0480	9.9300e-003	1,166.8122
User Defined Recreational	166651	53.0986	2.1900e-003	4.5000e-004	53.2885
Total		**1,940.4872**	**0.0801**	**0.0166**	**1,947.4294**

6.0 Area Detail

6.1 Mitigation Measures Area

Use Low VOC Paint - Residential Interior

Use Low VOC Paint - Residential Exterior

Use Low VOC Paint - Non-Residential Interior

Use Low VOC Paint - Non-Residential Exterior

	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	4.4748	4.2000e-004	0.0467	0.0000		1.7000e-004	1.7000e-004		1.7000e-004	1.7000e-004	0.0000	0.0908	0.0908	2.4000e-004	0.0000	0.0968
Unmitigated	4.4748	4.2000e-004	0.0467	0.0000		1.7000e-004	1.7000e-004		1.7000e-004	1.7000e-004	0.0000	0.0908	0.0908	2.4000e-004	0.0000	0.0968

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	0.6877					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	3.7828					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	4.3200e-003	4.2000e-004	0.0467	0.0000		1.7000e-004	1.7000e-004		1.7000e-004	1.7000e-004	0.0000	0.0908	0.0908	2.4000e-004	0.0000	0.0968
Total	**4.4748**	**4.2000e-004**	**0.0467**	**0.0000**		**1.7000e-004**	**1.7000e-004**		**1.7000e-004**	**1.7000e-004**	**0.0000**	**0.0908**	**0.0908**	**2.4000e-004**	**0.0000**	**0.0968**

6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.6877					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	3.7828					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	4.3200e-003	4.2000e-004	0.0467	0.0000		1.7000e-004	1.7000e-004		1.7000e-004	1.7000e-004	0.0000	0.0908	0.0908	2.4000e-004	0.0000	0.0968
Total	**4.4748**	**4.2000e-004**	**0.0467**	**0.0000**		**1.7000e-004**	**1.7000e-004**		**1.7000e-004**	**1.7000e-004**	**0.0000**	**0.0908**	**0.0908**	**2.4000e-004**	**0.0000**	**0.0968**

7.0 Water Detail

7.1 Mitigation Measures Water

Use Reclaimed Water

Install Low Flow Bathroom Faucet

Install Low Flow Kitchen Faucet

Install Low Flow Toilet

Install Low Flow Shower

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	88.3068	1.3311	0.0320	131.1210
Unmitigated	112.5140	1.6640	0.0400	166.0393

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
General Office Building	0.27156 / 0.040734	0.5998	8.8700e-003	2.1000e-004	0.8851
Hotel	17.52 / 2.628	38.6945	0.5723	0.0138	57.1023
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
User Defined Commercial	31.5097 / 4.72646	69.5921	1.0292	0.0248	102.6985
User Defined Recreational	1.6425 / 0.246375	3.6276	0.0537	1.2900e-003	5.3533
Total		**112.5140**	**1.6640**	**0.0400**	**166.0393**

7.2 Water by Land Use

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
General Office Building	0.217248 / 0.0244404	0.4707	7.1000e-003	1.7000e-004	0.6990
Hotel	14.016 / 1.5768	30.3695	0.4578	0.0110	45.0936
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
User Defined Commercial	25.2078 / 2.83587	54.6195	0.8233	0.0198	81.1009
User Defined Recreational	1.314 / 0.147825	2.8471	0.0429	1.0300e-003	4.2275
Total		**88.3068**	**1.3311**	**0.0320**	**131.1210**

8.0 Waste Detail

8.1 Mitigation Measures Waste

Institute Recycling and Composting Services

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	118.5467	7.0059	0.0000	293.6945
Unmitigated	237.0934	14.0118	0.0000	587.3890

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
General Office Building	0	0.0000	0.0000	0.0000	0.0000
Hotel	0	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
User Defined Commercial	1168	237.0934	14.0118	0.0000	587.3890
User Defined Recreational	0	0.0000	0.0000	0.0000	0.0000
Total		**237.0934**	**14.0118**	**0.0000**	**587.3890**

8.2 Waste by Land Use

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
General Office Building	0	0.0000	0.0000	0.0000	0.0000
Hotel	0	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
User Defined Commercial	584	118.5467	7.0059	0.0000	293.6945
User Defined Recreational	0	0.0000	0.0000	0.0000	0.0000
Total		**118.5467**	**7.0059**	**0.0000**	**293.6945**

9.0 Operational Offroad

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

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type
Emergency Generator	3	0	500	2923	0.73	Diesel

Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type
Boiler	4	0	8760	0.5	Diesel

User Defined Equipment

Equipment Type	Number

10.1 Stationary Sources

Unmitigated/Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Equipment Type	tons/yr										MT/yr					
Boiler - Diesel (0 - 9999 MMBTU)	0.0426	0.9111	0.6257	0.0282		0.1251	0.1251		0.0313	0.0313	0.0000	2,838.2400	2,838.2400	0.0245	0.0000	2,838.8531
Emergency Generator - Diesel (750 - 9999 HP)	3.5976	16.0884	9.1732	0.0173		0.5292	0.5292		0.5292	0.5292	0.0000	1,669.6053	1,669.6053	0.2341	0.0000	1,675.4573
Total	**3.6402**	**16.9994**	**9.7989**	**0.0455**		**0.6544**	**0.6544**		**0.5605**	**0.5605**	**0.0000**	**4,507.8453**	**4,507.8453**	**0.2586**	**0.0000**	**4,514.3104**

11.0 Vegetation

	Total CO2	CH4	N2O	CO2e
Category	MT			
Unmitigated	-353.4000	0.0000	0.0000	-353.4000

11.1 Vegetation Land Change

Vegetation Type

	Initial/Final	Total CO2	CH4	N2O	CO2e
	Acres	MT			
Cropland	118 / 61	-353.4000	0.0000	0.0000	-353.4000
Total		**-353.4000**	**0.0000**	**0.0000**	**-353.4000**

Tejon A1 Indirect

Kern-San Joaquin County, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Office Building	42.50	1000sqft	7.00	42,500.00	0
Medical Office Building	43.00	1000sqft	7.00	43,000.00	0
User Defined Commercial	43.00	User Defined Unit	43.00	1,873,080.00	0
City Park	29.00	Acre	29.00	1,263,240.00	0
User Defined Recreational	68.00	User Defined Unit	11.00	68,000.00	0
Single Family Housing	92.00	Dwelling Unit	102.00	220,800.00	263

1.2 Other Project Characteristics

Urbanization	Rural	**Wind Speed (m/s)**	2.7	**Precipitation Freq (Days)**	32
Climate Zone	3			**Operational Year**	2032
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	702.44	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - CalEEMod Input Table

Construction Phase - CalEEMod Input Tables

Grading - CalEEMod Inputs

Architectural Coating - No architectural coating for organic farm

Vehicle Trips - CalEEMod Inputs

Area Coating - No architectural coating for organic farm

Energy Use - CalEEMod Inputs

Water And Wastewater - CalEEMod Inputs

Land Use Change -

Construction Off-road Equipment Mitigation -

Area Mitigation -

Energy Mitigation -

Water Mitigation -

Waste Mitigation -

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	ConstArea_Nonresidential_Exterior	1,013,290.00	76,750.00
tblArchitecturalCoating	ConstArea_Nonresidential_Interior	3,039,870.00	230,250.00
tblAreaCoating	Area_Nonresidential_Exterior	1013290	76750
tblAreaCoating	Area_Nonresidential_Interior	3039870	230250
tblAreaMitigation	UseLowVOCPaintParkingCheck	False	True
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	15
tblConstructionPhase	NumDays	220.00	350.00
tblConstructionPhase	NumDays	3,100.00	400.00
tblConstructionPhase	NumDays	200.00	14.00
tblConstructionPhase	NumDays	310.00	48.00

tblConstructionPhase	NumDays	220.00	112.00
tblConstructionPhase	NumDays	120.00	35.00
tblEnergyUse	LightingElect	0.00	2.70
tblEnergyUse	LightingElect	0.00	2.70
tblEnergyUse	NT24E	0.00	4.16
tblEnergyUse	NT24E	0.00	4.16
tblEnergyUse	NT24NG	0.00	4.00
tblEnergyUse	NT24NG	0.00	4.00
tblEnergyUse	T24E	0.00	1.96
tblEnergyUse	T24E	0.00	1.96
tblEnergyUse	T24NG	0.00	17.00
tblEnergyUse	T24NG	0.00	17.00
tblGrading	AcresOfGrading	120.00	147.30
tblLandUse	LandUseSquareFeet	0.00	1,873,080.00
tblLandUse	LandUseSquareFeet	0.00	68,000.00
tblLandUse	LandUseSquareFeet	165,600.00	220,800.00
tblLandUse	LotAcreage	0.98	7.00
tblLandUse	LotAcreage	0.99	7.00
tblLandUse	LotAcreage	0.00	43.00
tblLandUse	LotAcreage	0.00	11.00
tblLandUse	LotAcreage	29.87	102.00
tblProjectCharacteristics	UrbanizationLevel	Urban	Rural
tblVehicleTrips	CC_TL	6.60	7.30
tblVehicleTrips	CC_TL	6.60	43.00
tblVehicleTrips	CC_TL	6.60	7.30
tblVehicleTrips	CC_TTP	0.00	28.00
tblVehicleTrips	CC_TTP	0.00	90.00

tblVehicleTrips	CNW_TL	6.60	7.30
tblVehicleTrips	CNW_TL	6.60	22.00
tblVehicleTrips	CNW_TL	6.60	7.30
tblVehicleTrips	CNW_TTP	0.00	13.00
tblVehicleTrips	CNW_TTP	0.00	5.00
tblVehicleTrips	CW_TL	14.70	9.50
tblVehicleTrips	CW_TL	14.70	22.00
tblVehicleTrips	CW_TL	14.70	9.50
tblVehicleTrips	CW_TTP	0.00	59.00
tblVehicleTrips	CW_TTP	0.00	5.00
tblVehicleTrips	DV_TP	30.00	0.00
tblVehicleTrips	PB_TP	10.00	0.00
tblVehicleTrips	PR_TP	60.00	100.00
tblVehicleTrips	PR_TP	0.00	100.00
tblVehicleTrips	PR_TP	0.00	100.00
tblVehicleTrips	ST_TR	22.75	19.60
tblVehicleTrips	ST_TR	2.46	0.00
tblVehicleTrips	ST_TR	8.96	4.29
tblVehicleTrips	ST_TR	9.91	9.86
tblVehicleTrips	ST_TR	0.00	2.00
tblVehicleTrips	ST_TR	0.00	4.55
tblVehicleTrips	SU_TR	16.74	19.60
tblVehicleTrips	SU_TR	1.05	0.00
tblVehicleTrips	SU_TR	1.55	4.29
tblVehicleTrips	SU_TR	8.62	9.86
tblVehicleTrips	SU_TR	0.00	2.00
tblVehicleTrips	SU_TR	0.00	4.55

tblVehicleTrips	WD_TR	1.89	7.80
tblVehicleTrips	WD_TR	11.03	8.10
tblVehicleTrips	WD_TR	36.13	17.40
tblVehicleTrips	WD_TR	9.52	10.47
tblVehicleTrips	WD_TR	0.00	2.00
tblVehicleTrips	WD_TR	0.00	14.41
tblWater	IndoorWaterUseRate	7,553,684.29	1,489,200.00
tblWater	IndoorWaterUseRate	5,395,663.12	1,506,720.00
tblWater	IndoorWaterUseRate	5,994,170.36	21,759,840.00
tblWater	IndoorWaterUseRate	0.00	2,382,720.00
tblWater	OutdoorWaterUseRate	34,552,959.14	13,707,575.00
tblWater	OutdoorWaterUseRate	4,629,677.47	0.00
tblWater	OutdoorWaterUseRate	1,027,745.36	0.00
tblWater	OutdoorWaterUseRate	3,778,933.49	0.00
tblWater	OutdoorWaterUseRate	0.00	31,390,000.00

2.0 Emissions Summary

2.1 Overall Construction

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2030	1.7479	5.1669	5.2920	0.0289	2.3833	0.0462	2.4295	0.7584	0.0455	0.8039	0.0000	2,650.5873	2,650.5873	0.1083	0.0000	2,653.2949
2031	2.8688	6.0563	6.3589	0.0348	2.4300	0.0497	2.4798	0.6539	0.0489	0.7027	0.0000	3,185.5000	3,185.5000	0.1291	0.0000	3,188.7280
Maximum	**2.8688**	**6.0563**	**6.3589**	**0.0348**	**2.4300**	**0.0497**	**2.4798**	**0.7584**	**0.0489**	**0.8039**	**0.0000**	**3,185.5000**	**3,185.5000**	**0.1291**	**0.0000**	**3,188.7280**

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2030	1.7479	5.1669	5.2920	0.0289	2.0870	0.0462	2.1332	0.6144	0.0455	0.6599	0.0000	2,650.5867	2,650.5867	0.1083	0.0000	2,653.2943
2031	2.8688	6.0563	6.3588	0.0348	2.4300	0.0497	2.4798	0.6539	0.0489	0.7027	0.0000	3,185.4994	3,185.4994	0.1291	0.0000	3,188.7274
Maximum	**2.8688**	**6.0563**	**6.3588**	**0.0348**	**2.4300**	**0.0497**	**2.4798**	**0.6539**	**0.0489**	**0.7027**	**0.0000**	**3,185.4994**	**3,185.4994**	**0.1291**	**0.0000**	**3,188.7274**

	ROG	**NOx**	**CO**	**SO2**	**Fugitive PM10**	**Exhaust PM10**	**PM10 Total**	**Fugitive PM2.5**	**Exhaust PM2.5**	**PM2.5 Total**	**Bio- CO2**	**NBio-CO2**	**Total CO2**	**CH4**	**N20**	**CO2e**
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**6.16**	**0.00**	**6.04**	**10.19**	**0.00**	**9.55**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
1	1-1-2030	3-31-2030	0.6122	0.6122
2	4-1-2030	6-30-2030	1.4680	1.4680
3	7-1-2030	9-30-2030	2.3468	2.3468
4	10-1-2030	12-31-2030	2.5010	2.5010
5	1-1-2031	3-31-2031	2.6989	2.6989
6	4-1-2031	6-30-2031	2.6422	2.6422
7	7-1-2031	9-30-2031	2.4671	2.4671
		Highest	2.6989	2.6989

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	14.8025	0.1067	6.9577	0.0102		0.8640	0.8640		0.8640	0.8640	76.4356	40.9750	117.4105	1.8400e-003	7.4700e-003	119.6840
Energy	0.2388	2.1637	1.7716	0.0130		0.1650	0.1650		0.1650	0.1650	0.0000	8,323.3090	8,323.3090	0.2914	0.0942	8,358.6746
Mobile	0.6705	9.2496	6.7462	0.0551	3.7765	0.0234	3.7998	1.0140	0.0219	1.0359	0.0000	5,144.7869	5,144.7869	0.2943	0.0000	5,152.1437
Waste						0.0000	0.0000		0.0000	0.0000	124.6852	0.0000	124.6852	7.3687	0.0000	308.9022
Water						0.0000	0.0000		0.0000	0.0000	8.6098	97.0801	105.6899	0.8883	0.0217	134.3672
Total	**15.7118**	**11.5200**	**15.4755**	**0.0783**	**3.7765**	**1.0523**	**4.8288**	**1.0140**	**1.0509**	**2.0649**	**209.7305**	**13,606.1509**	**13,815.8814**	**8.8445**	**0.1234**	**14,073.7718**

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	9.1236	7.8700e-003	0.6834	4.0000e-005		3.8000e-003	3.8000e-003		3.8000e-003	3.8000e-003	0.0000	1.1199	1.1199	1.0700e-003	0.0000	1.1467
Energy	0.2388	2.1637	1.7716	0.0130		0.1650	0.1650		0.1650	0.1650	0.0000	8,035.8569	8,035.8569	0.2795	0.0918	8,070.1942
Mobile	0.6705	9.2496	6.7462	0.0551	3.7765	0.0234	3.7998	1.0140	0.0219	1.0359	0.0000	5,144.7869	5,144.7869	0.2943	0.0000	5,152.1437
Waste						0.0000	0.0000		0.0000	0.0000	62.3426	0.0000	62.3426	3.6843	0.0000	154.4511
Water						0.0000	0.0000		0.0000	0.0000	6.8878	67.6057	74.4936	0.7102	0.0173	97.3995
Total	**10.0329**	**11.4211**	**9.2011**	**0.0681**	**3.7765**	**0.1921**	**3.9686**	**1.0140**	**0.1907**	**1.2047**	**69.2304**	**13,249.3694**	**13,318.5998**	**4.9694**	**0.1091**	**13,475.3352**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**36.14**	**0.86**	**40.54**	**12.95**	**0.00**	**81.74**	**17.81**	**0.00**	**81.86**	**41.66**	**66.99**	**2.62**	**3.60**	**43.81**	**11.63**	**4.25**

2.3 Vegetation

Vegetation

	CO2e
Category	MT
Vegetation Land Change	-948.6000
Total	**-948.6000**

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	1/1/2030	1/18/2030	5	14	
2	Site Preparation	Site Preparation	1/1/2030	2/18/2030	5	35	
3	Grading	Grading	2/19/2030	4/25/2030	5	48	
4	Building Construction	Building Construction	4/26/2030	11/6/2031	5	400	
5	Architectural Coating	Architectural Coating	7/21/2030	11/21/2031	5	350	
6	Paving	Paving	1/1/2031	6/5/2031	5	112	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 147.3

Acres of Paving: 0

Residential Indoor: 447,120; Residential Outdoor: 149,040; Non-Residential Indoor: 230,250; Non-Residential Outdoor: 76,750; Striped Parking Area: 0 (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	Excavators	3	8.00	158	0.38
Demolition	Rubber Tired Dozers	2	8.00	247	0.40
Site Preparation	Rubber Tired Dozers	3	8.00	247	0.40
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Grading	Excavators	2	8.00	158	0.38
Grading	Graders	1	8.00	187	0.41
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Grading	Scrapers	2	8.00	367	0.48
Grading	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Building Construction	Cranes	1	7.00	231	0.29
Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45
Architectural Coating	Air Compressors	1	6.00	78	0.48
Paving	Pavers	2	8.00	130	0.42
Paving	Paving Equipment	2	8.00	132	0.36
Paving	Rollers	2	8.00	80	0.38

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	6	15.00	0.00	0.00	16.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	7	18.00	0.00	0.00	16.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Grading	8	20.00	0.00	0.00	16.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	1,219.00	549.00	0.00	16.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	244.00	0.00	0.00	16.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	16.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Use Soil Stabilizer

Water Exposed Area

Reduce Vehicle Speed on Unpaved Roads

3.2 Demolition - 2030

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	0.0145	0.0684	0.1324	3.2000e-004		2.4600e-003	2.4600e-003		2.4600e-003	2.4600e-003	0.0000	27.8053	27.8053	1.1700e-003	0.0000	27.8346
Total	**0.0145**	**0.0684**	**0.1324**	**3.2000e-004**		**2.4600e-003**	**2.4600e-003**		**2.4600e-003**	**2.4600e-003**	**0.0000**	**27.8053**	**27.8053**	**1.1700e-003**	**0.0000**	**27.8346**

3.2 Demolition - 2030

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.0000e-004	1.5000e-004	1.8600e-003	1.0000e-005	1.3200e-003	1.0000e-005	1.3200e-003	3.5000e-004	1.0000e-005	3.5000e-004	0.0000	0.8457	0.8457	1.0000e-005	0.0000	0.8460
Total	**3.0000e-004**	**1.5000e-004**	**1.8600e-003**	**1.0000e-005**	**1.3200e-003**	**1.0000e-005**	**1.3200e-003**	**3.5000e-004**	**1.0000e-005**	**3.5000e-004**	**0.0000**	**0.8457**	**0.8457**	**1.0000e-005**	**0.0000**	**0.8460**

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	0.0145	0.0684	0.1324	3.2000e-004		2.4600e-003	2.4600e-003		2.4600e-003	2.4600e-003	0.0000	27.8053	27.8053	1.1700e-003	0.0000	27.8346
Total	**0.0145**	**0.0684**	**0.1324**	**3.2000e-004**		**2.4600e-003**	**2.4600e-003**		**2.4600e-003**	**2.4600e-003**	**0.0000**	**27.8053**	**27.8053**	**1.1700e-003**	**0.0000**	**27.8346**

3.2 Demolition - 2030

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.0000e-004	1.5000e-004	1.8600e-003	1.0000e-005	1.3200e-003	1.0000e-005	1.3200e-003	3.5000e-004	1.0000e-005	3.5000e-004	0.0000	0.8457	0.8457	1.0000e-005	0.0000	0.8460
Total	**3.0000e-004**	**1.5000e-004**	**1.8600e-003**	**1.0000e-005**	**1.3200e-003**	**1.0000e-005**	**1.3200e-003**	**3.5000e-004**	**1.0000e-005**	**3.5000e-004**	**0.0000**	**0.8457**	**0.8457**	**1.0000e-005**	**0.0000**	**0.8460**

3.3 Site Preparation - 2030

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.3162	0.0000	0.3162	0.1738	0.0000	0.1738	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0427	0.2392	0.2851	8.1000e-004		7.6400e-003	7.6400e-003		7.6400e-003	7.6400e-003	0.0000	70.0081	70.0081	3.4500e-003	0.0000	70.0944
Total	**0.0427**	**0.2392**	**0.2851**	**8.1000e-004**	**0.3162**	**7.6400e-003**	**0.3238**	**0.1738**	**7.6400e-003**	**0.1814**	**0.0000**	**70.0081**	**70.0081**	**3.4500e-003**	**0.0000**	**70.0944**

3.3 Site Preparation - 2030

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	8.9000e-004	4.6000e-004	5.5900e-003	3.0000e-005	3.9500e-003	2.0000e-005	3.9600e-003	1.0500e-003	2.0000e-005	1.0600e-003	0.0000	2.5372	2.5372	3.0000e-005	0.0000	2.5380
Total	**8.9000e-004**	**4.6000e-004**	**5.5900e-003**	**3.0000e-005**	**3.9500e-003**	**2.0000e-005**	**3.9600e-003**	**1.0500e-003**	**2.0000e-005**	**1.0600e-003**	**0.0000**	**2.5372**	**2.5372**	**3.0000e-005**	**0.0000**	**2.5380**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.1423	0.0000	0.1423	0.0782	0.0000	0.0782	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0427	0.2392	0.2851	8.1000e-004		7.6400e-003	7.6400e-003		7.6400e-003	7.6400e-003	0.0000	70.0080	70.0080	3.4500e-003	0.0000	70.0944
Total	**0.0427**	**0.2392**	**0.2851**	**8.1000e-004**	**0.1423**	**7.6400e-003**	**0.1499**	**0.0782**	**7.6400e-003**	**0.0858**	**0.0000**	**70.0080**	**70.0080**	**3.4500e-003**	**0.0000**	**70.0944**

3.3 Site Preparation - 2030

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	8.9000e-004	4.6000e-004	5.5900e-003	3.0000e-005	3.9500e-003	2.0000e-005	3.9600e-003	1.0500e-003	2.0000e-005	1.0600e-003	0.0000	2.5372	2.5372	3.0000e-005	0.0000	2.5380
Total	**8.9000e-004**	**4.6000e-004**	**5.5900e-003**	**3.0000e-005**	**3.9500e-003**	**2.0000e-005**	**3.9600e-003**	**1.0500e-003**	**2.0000e-005**	**1.0600e-003**	**0.0000**	**2.5372**	**2.5372**	**3.0000e-005**	**0.0000**	**2.5380**

3.4 Grading - 2030

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.2226	0.0000	0.2226	0.0879	0.0000	0.0879	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0787	0.3323	0.5526	1.6800e-003		0.0117	0.0117		0.0117	0.0117	0.0000	157.0469	157.0469	6.3500e-003	0.0000	157.2056
Total	**0.0787**	**0.3323**	**0.5526**	**1.6800e-003**	**0.2226**	**0.0117**	**0.2344**	**0.0879**	**0.0117**	**0.0996**	**0.0000**	**157.0469**	**157.0469**	**6.3500e-003**	**0.0000**	**157.2056**

3.4 Grading - 2030

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.3600e-003	7.0000e-004	8.5300e-003	4.0000e-005	6.0100e-003	3.0000e-005	6.0400e-003	1.6000e-003	2.0000e-005	1.6200e-003	0.0000	3.8662	3.8662	5.0000e-005	0.0000	3.8675
Total	**1.3600e-003**	**7.0000e-004**	**8.5300e-003**	**4.0000e-005**	**6.0100e-003**	**3.0000e-005**	**6.0400e-003**	**1.6000e-003**	**2.0000e-005**	**1.6200e-003**	**0.0000**	**3.8662**	**3.8662**	**5.0000e-005**	**0.0000**	**3.8675**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.1002	0.0000	0.1002	0.0396	0.0000	0.0396	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0787	0.3323	0.5526	1.6800e-003		0.0117	0.0117		0.0117	0.0117	0.0000	157.0467	157.0467	6.3500e-003	0.0000	157.2054
Total	**0.0787**	**0.3323**	**0.5526**	**1.6800e-003**	**0.1002**	**0.0117**	**0.1119**	**0.0396**	**0.0117**	**0.0513**	**0.0000**	**157.0467**	**157.0467**	**6.3500e-003**	**0.0000**	**157.2054**

3.4 Grading - 2030

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.3600e-003	7.0000e-004	8.5300e-003	4.0000e-005	6.0100e-003	3.0000e-005	6.0400e-003	1.6000e-003	2.0000e-005	1.6200e-003	0.0000	3.8662	3.8662	5.0000e-005	0.0000	3.8675
Total	**1.3600e-003**	**7.0000e-004**	**8.5300e-003**	**4.0000e-005**	**6.0100e-003**	**3.0000e-005**	**6.0400e-003**	**1.6000e-003**	**2.0000e-005**	**1.6200e-003**	**0.0000**	**3.8662**	**3.8662**	**5.0000e-005**	**0.0000**	**3.8675**

3.5 Building Construction - 2030

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	0.1165	0.7062	1.4380	2.7600e-003		0.0132	0.0132		0.0132	0.0132	0.0000	233.9463	233.9463	9.3900e-003	0.0000	234.1810
Total	**0.1165**	**0.7062**	**1.4380**	**2.7600e-003**		**0.0132**	**0.0132**		**0.0132**	**0.0132**	**0.0000**	**233.9463**	**233.9463**	**9.3900e-003**	**0.0000**	**234.1810**

3.5 Building Construction - 2030

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0875	3.5897	0.5823	0.0121	0.2950	3.2300e-003	0.2983	0.0852	3.0900e-003	0.0883	0.0000	1,150.7759	1,150.7759	0.0744	0.0000	1,152.6365
Worker	0.3077	0.1588	1.9269	9.6400e-003	1.3594	5.9500e-003	1.3653	0.3610	5.4700e-003	0.3665	0.0000	873.8483	873.8483	0.0113	0.0000	874.1316
Total	**0.3952**	**3.7485**	**2.5092**	**0.0218**	**1.6544**	**9.1800e-003**	**1.6636**	**0.4462**	**8.5600e-003**	**0.4548**	**0.0000**	**2,024.6242**	**2,024.6242**	**0.0858**	**0.0000**	**2,026.7680**

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	0.1165	0.7062	1.4380	2.7600e-003		0.0132	0.0132		0.0132	0.0132	0.0000	233.9460	233.9460	9.3900e-003	0.0000	234.1807
Total	**0.1165**	**0.7062**	**1.4380**	**2.7600e-003**		**0.0132**	**0.0132**		**0.0132**	**0.0132**	**0.0000**	**233.9460**	**233.9460**	**9.3900e-003**	**0.0000**	**234.1807**

3.5 Building Construction - 2030

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0875	3.5897	0.5823	0.0121	0.2950	3.2300e-003	0.2983	0.0852	3.0900e-003	0.0883	0.0000	1,150.7759	1,150.7759	0.0744	0.0000	1,152.6365
Worker	0.3077	0.1588	1.9269	9.6400e-003	1.3594	5.9500e-003	1.3653	0.3610	5.4700e-003	0.3665	0.0000	873.8483	873.8483	0.0113	0.0000	874.1316
Total	**0.3952**	**3.7485**	**2.5092**	**0.0218**	**1.6544**	**9.1800e-003**	**1.6636**	**0.4462**	**8.5600e-003**	**0.4548**	**0.0000**	**2,024.6242**	**2,024.6242**	**0.0858**	**0.0000**	**2,026.7680**

3.5 Building Construction - 2031

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	0.1453	0.8807	1.7934	3.4400e-003		0.0164	0.0164		0.0164	0.0164	0.0000	291.7757	291.7757	0.0117	0.0000	292.0684
Total	**0.1453**	**0.8807**	**1.7934**	**3.4400e-003**		**0.0164**	**0.0164**		**0.0164**	**0.0164**	**0.0000**	**291.7757**	**291.7757**	**0.0117**	**0.0000**	**292.0684**

3.5 Building Construction - 2031

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.1082	4.4555	0.7145	0.0151	0.3680	4.0000e-003	0.3720	0.1062	3.8200e-003	0.1101	0.0000	1,432.2482	1,432.2482	0.0941	0.0000	1,434.6006
Worker	0.3556	0.1822	2.2642	0.0118	1.6954	6.9100e-003	1.7023	0.4503	6.3600e-003	0.4566	0.0000	1,066.1711	1,066.1711	0.0130	0.0000	1,066.4956
Total	**0.4638**	**4.6377**	**2.9787**	**0.0269**	**2.0634**	**0.0109**	**2.0743**	**0.5565**	**0.0102**	**0.5667**	**0.0000**	**2,498.4193**	**2,498.4193**	**0.1071**	**0.0000**	**2,501.0962**

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	0.1453	0.8807	1.7934	3.4400e-003		0.0164	0.0164		0.0164	0.0164	0.0000	291.7754	291.7754	0.0117	0.0000	292.0680
Total	**0.1453**	**0.8807**	**1.7934**	**3.4400e-003**		**0.0164**	**0.0164**		**0.0164**	**0.0164**	**0.0000**	**291.7754**	**291.7754**	**0.0117**	**0.0000**	**292.0680**

3.5 Building Construction - 2031

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.1082	4.4555	0.7145	0.0151	0.3680	4.0000e-003	0.3720	0.1062	3.8200e-003	0.1101	0.0000	1,432.2482	1,432.2482	0.0941	0.0000	1,434.6006
Worker	0.3556	0.1822	2.2642	0.0118	1.6954	6.9100e-003	1.7023	0.4503	6.3600e-003	0.4566	0.0000	1,066.1711	1,066.1711	0.0130	0.0000	1,066.4956
Total	**0.4638**	**4.6377**	**2.9787**	**0.0269**	**2.0634**	**0.0109**	**2.0743**	**0.5565**	**0.0102**	**0.5667**	**0.0000**	**2,498.4193**	**2,498.4193**	**0.1071**	**0.0000**	**2,501.0962**

3.6 Architectural Coating - 2030

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	1.0495					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	7.6500e-003	0.0501	0.1052	1.7000e-004		1.1900e-003	1.1900e-003		1.1900e-003	1.1900e-003	0.0000	14.9365	14.9365	6.0000e-004	0.0000	14.9517
Total	**1.0572**	**0.0501**	**0.1052**	**1.7000e-004**		**1.1900e-003**	**1.1900e-003**		**1.1900e-003**	**1.1900e-003**	**0.0000**	**14.9365**	**14.9365**	**6.0000e-004**	**0.0000**	**14.9517**

3.6 Architectural Coating - 2030

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0405	0.0209	0.2535	1.2700e-003	0.1789	7.8000e-004	0.1796	0.0475	7.2000e-004	0.0482	0.0000	114.9709	114.9709	1.4900e-003	0.0000	115.0082
Total	**0.0405**	**0.0209**	**0.2535**	**1.2700e-003**	**0.1789**	**7.8000e-004**	**0.1796**	**0.0475**	**7.2000e-004**	**0.0482**	**0.0000**	**114.9709**	**114.9709**	**1.4900e-003**	**0.0000**	**115.0082**

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	1.0495					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	7.6500e-003	0.0501	0.1052	1.7000e-004		1.1900e-003	1.1900e-003		1.1900e-003	1.1900e-003	0.0000	14.9365	14.9365	6.0000e-004	0.0000	14.9516
Total	**1.0572**	**0.0501**	**0.1052**	**1.7000e-004**		**1.1900e-003**	**1.1900e-003**		**1.1900e-003**	**1.1900e-003**	**0.0000**	**14.9365**	**14.9365**	**6.0000e-004**	**0.0000**	**14.9516**

3.6 Architectural Coating - 2030

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0405	0.0209	0.2535	1.2700e-003	0.1789	7.8000e-004	0.1796	0.0475	7.2000e-004	0.0482	0.0000	114.9709	114.9709	1.4900e-003	0.0000	115.0082
Total	**0.0405**	**0.0209**	**0.2535**	**1.2700e-003**	**0.1789**	**7.8000e-004**	**0.1796**	**0.0475**	**7.2000e-004**	**0.0482**	**0.0000**	**114.9709**	**114.9709**	**1.4900e-003**	**0.0000**	**115.0082**

3.6 Architectural Coating - 2031

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	2.0901					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0152	0.0998	0.2094	3.5000e-004		2.3700e-003	2.3700e-003		2.3700e-003	2.3700e-003	0.0000	29.7454	29.7454	1.2000e-003	0.0000	29.7755
Total	**2.1053**	**0.0998**	**0.2094**	**3.5000e-004**		**2.3700e-003**	**2.3700e-003**		**2.3700e-003**	**2.3700e-003**	**0.0000**	**29.7454**	**29.7454**	**1.2000e-003**	**0.0000**	**29.7755**

3.6 Architectural Coating - 2031

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0747	0.0383	0.4757	2.4700e-003	0.3562	1.4500e-003	0.3576	0.0946	1.3400e-003	0.0959	0.0000	223.9835	223.9835	2.7300e-003	0.0000	224.0516
Total	**0.0747**	**0.0383**	**0.4757**	**2.4700e-003**	**0.3562**	**1.4500e-003**	**0.3576**	**0.0946**	**1.3400e-003**	**0.0959**	**0.0000**	**223.9835**	**223.9835**	**2.7300e-003**	**0.0000**	**224.0516**

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	2.0901					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0152	0.0998	0.2094	3.5000e-004		2.3700e-003	2.3700e-003		2.3700e-003	2.3700e-003	0.0000	29.7454	29.7454	1.2000e-003	0.0000	29.7755
Total	**2.1053**	**0.0998**	**0.2094**	**3.5000e-004**		**2.3700e-003**	**2.3700e-003**		**2.3700e-003**	**2.3700e-003**	**0.0000**	**29.7454**	**29.7454**	**1.2000e-003**	**0.0000**	**29.7755**

3.6 Architectural Coating - 2031

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0747	0.0383	0.4757	2.4700e-003	0.3562	1.4500e-003	0.3576	0.0946	1.3400e-003	0.0959	0.0000	223.9835	223.9835	2.7300e-003	0.0000	224.0516
Total	**0.0747**	**0.0383**	**0.4757**	**2.4700e-003**	**0.3562**	**1.4500e-003**	**0.3576**	**0.0946**	**1.3400e-003**	**0.0959**	**0.0000**	**223.9835**	**223.9835**	**2.7300e-003**	**0.0000**	**224.0516**

3.7 Paving - 2031

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	0.0775	0.3987	0.8876	1.5700e-003		0.0185	0.0185		0.0185	0.0185	0.0000	134.9573	134.9573	6.3300e-003	0.0000	135.1155
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0775**	**0.3987**	**0.8876**	**1.5700e-003**		**0.0185**	**0.0185**		**0.0185**	**0.0185**	**0.0000**	**134.9573**	**134.9573**	**6.3300e-003**	**0.0000**	**135.1155**

3.7 Paving - 2031

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.2100e-003	1.1300e-003	0.0141	7.0000e-005	0.0105	4.0000e-005	0.0106	2.8000e-003	4.0000e-005	2.8300e-003	0.0000	6.6188	6.6188	8.0000e-005	0.0000	6.6208
Total	**2.2100e-003**	**1.1300e-003**	**0.0141**	**7.0000e-005**	**0.0105**	**4.0000e-005**	**0.0106**	**2.8000e-003**	**4.0000e-005**	**2.8300e-003**	**0.0000**	**6.6188**	**6.6188**	**8.0000e-005**	**0.0000**	**6.6208**

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	0.0775	0.3987	0.8876	1.5700e-003		0.0185	0.0185		0.0185	0.0185	0.0000	134.9571	134.9571	6.3300e-003	0.0000	135.1153
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0775**	**0.3987**	**0.8876**	**1.5700e-003**		**0.0185**	**0.0185**		**0.0185**	**0.0185**	**0.0000**	**134.9571**	**134.9571**	**6.3300e-003**	**0.0000**	**135.1153**

3.7 Paving - 2031

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.2100e-003	1.1300e-003	0.0141	7.0000e-005	0.0105	4.0000e-005	0.0106	2.8000e-003	4.0000e-005	2.8300e-003	0.0000	6.6188	6.6188	8.0000e-005	0.0000	6.6208
Total	**2.2100e-003**	**1.1300e-003**	**0.0141**	**7.0000e-005**	**0.0105**	**4.0000e-005**	**0.0106**	**2.8000e-003**	**4.0000e-005**	**2.8300e-003**	**0.0000**	**6.6188**	**6.6188**	**8.0000e-005**	**0.0000**	**6.6208**

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	0.6705	9.2496	6.7462	0.0551	3.7765	0.0234	3.7998	1.0140	0.0219	1.0359	0.0000	5,144.7869	5,144.7869	0.2943	0.0000	5,152.1437
Unmitigated	0.6705	9.2496	6.7462	0.0551	3.7765	0.0234	3.7998	1.0140	0.0219	1.0359	0.0000	5,144.7869	5,144.7869	0.2943	0.0000	5,152.1437

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
City Park	226.20	568.40	568.40	798,980	798,980
General Office Building	344.25	0.00	0.00	678,867	678,867
Medical Office Building	748.20	184.47	184.47	1,699,306	1,699,306
Single Family Housing	963.24	907.12	907.12	3,641,883	3,641,883
User Defined Commercial	86.00	86.00	86.00	872,756	872,756
User Defined Recreational	979.88	309.40	309.40	2,126,273	2,126,273
Total	3,347.77	2,055.39	2,055.39	9,818,064	9,818,064

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
City Park	14.70	6.60	6.60	33.00	48.00	19.00	66	28	6
General Office Building	14.70	6.60	6.60	33.00	48.00	19.00	77	19	4
Medical Office Building	9.50	7.30	7.30	29.60	51.40	19.00	100	0	0
Single Family Housing	16.80	7.10	7.90	46.40	16.40	37.20	86	11	3
User Defined Commercial	22.00	43.00	22.00	59.00	28.00	13.00	100	0	0
User Defined Recreational	9.50	7.30	7.30	5.00	90.00	5.00	100	0	0

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
City Park	0.512938	0.029516	0.180921	0.095838	0.009977	0.003884	0.016297	0.140952	0.001553	0.001363	0.005460	0.000802	0.000501
General Office Building	0.512938	0.029516	0.180921	0.095838	0.009977	0.003884	0.016297	0.140952	0.001553	0.001363	0.005460	0.000802	0.000501
Medical Office Building	0.512938	0.029516	0.180921	0.095838	0.009977	0.003884	0.016297	0.140952	0.001553	0.001363	0.005460	0.000802	0.000501
Single Family Housing	0.512938	0.029516	0.180921	0.095838	0.009977	0.003884	0.016297	0.140952	0.001553	0.001363	0.005460	0.000802	0.000501
User Defined Commercial	0.512938	0.029516	0.180921	0.095838	0.009977	0.003884	0.016297	0.140952	0.001553	0.001363	0.005460	0.000802	0.000501
User Defined Recreational	0.512938	0.029516	0.180921	0.095838	0.009977	0.003884	0.016297	0.140952	0.001553	0.001363	0.005460	0.000802	0.000501

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

Install High Efficiency Lighting

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	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Electricity Mitigated						0.0000	0.0000		0.0000	0.0000	0.0000	5,672.7038	5,672.7038	0.2342	0.0485	5,692.9981
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	5,960.1558	5,960.1558	0.2461	0.0509	5,981.4785
NaturalGas Mitigated	0.2388	2.1637	1.7716	0.0130		0.1650	0.1650		0.1650	0.1650	0.0000	2,363.1531	2,363.1531	0.0453	0.0433	2,377.1962
NaturalGas Unmitigated	0.2388	2.1637	1.7716	0.0130		0.1650	0.1650		0.1650	0.1650	0.0000	2,363.1531	2,363.1531	0.0453	0.0433	2,377.1962

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					
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
General Office Building	554625	2.9900e-003	0.0272	0.0228	1.6000e-004		2.0700e-003	2.0700e-003		2.0700e-003	2.0700e-003	0.0000	29.5969	29.5969	5.7000e-004	5.4000e-004	29.7728
Medical Office Building	561150	3.0300e-003	0.0275	0.0231	1.7000e-004		2.0900e-003	2.0900e-003		2.0900e-003	2.0900e-003	0.0000	29.9451	29.9451	5.7000e-004	5.5000e-004	30.1231
Single Family Housing	2.40536e+006	0.0130	0.1108	0.0472	7.1000e-004		8.9600e-003	8.9600e-003		8.9600e-003	8.9600e-003	0.0000	128.3593	128.3593	2.4600e-003	2.3500e-003	129.1221
User Defined Commercial	3.93347e+007	0.2121	1.9282	1.6197	0.0116		0.1465	0.1465		0.1465	0.1465	0.0000	2,099.0483	2,099.0483	0.0402	0.0385	2,111.5219
User Defined Recreational	1.428e+006	7.7000e-003	0.0700	0.0588	4.2000e-004		5.3200e-003	5.3200e-003		5.3200e-003	5.3200e-003	0.0000	76.2035	76.2035	1.4600e-003	1.4000e-003	76.6564
Total		**0.2388**	**2.1637**	**1.7716**	**0.0130**		**0.1650**	**0.1650**		**0.1650**	**0.1650**	**0.0000**	**2,363.1531**	**2,363.1531**	**0.0453**	**0.0433**	**2,377.1962**

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					
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
General Office Building	554625	2.9900e-003	0.0272	0.0228	1.6000e-004		2.0700e-003	2.0700e-003		2.0700e-003	2.0700e-003	0.0000	29.5969	29.5969	5.7000e-004	5.4000e-004	29.7728
Medical Office Building	561150	3.0300e-003	0.0275	0.0231	1.7000e-004		2.0900e-003	2.0900e-003		2.0900e-003	2.0900e-003	0.0000	29.9451	29.9451	5.7000e-004	5.5000e-004	30.1231
Single Family Housing	2.40536e+006	0.0130	0.1108	0.0472	7.1000e-004		8.9600e-003	8.9600e-003		8.9600e-003	8.9600e-003	0.0000	128.3593	128.3593	2.4600e-003	2.3500e-003	129.1221
User Defined Commercial	3.93347e+007	0.2121	1.9282	1.6197	0.0116		0.1465	0.1465		0.1465	0.1465	0.0000	2,099.0483	2,099.0483	0.0402	0.0385	2,111.5219
User Defined Recreational	1.428e+006	7.7000e-003	0.0700	0.0588	4.2000e-004		5.3200e-003	5.3200e-003		5.3200e-003	5.3200e-003	0.0000	76.2035	76.2035	1.4600e-003	1.4000e-003	76.6564
Total		**0.2388**	**2.1637**	**1.7716**	**0.0130**		**0.1650**	**0.1650**		**0.1650**	**0.1650**	**0.0000**	**2,363.1531**	**2,363.1531**	**0.0453**	**0.0433**	**2,377.1962**

5.3 Energy by Land Use - Electricity

Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
City Park	0	0.0000	0.0000	0.0000	0.0000
General Office Building	387600	123.4977	5.1000e-003	1.0500e-003	123.9395
Medical Office Building	392160	124.9506	5.1600e-003	1.0700e-003	125.3976
Single Family Housing	805988	256.8051	0.0106	2.1900e-003	257.7238
User Defined Commercial	1.65206e+007	5,263.8061	0.2173	0.0450	5,282.6376
User Defined Recreational	599760	191.0964	7.8900e-003	1.6300e-003	191.7800
Total		**5,960.1558**	**0.2461**	**0.0509**	**5,981.4785**

5.3 Energy by Land Use - Electricity

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
City Park	0	0.0000	0.0000	0.0000	0.0000
General Office Building	367744	117.1711	4.8400e-003	1.0000e-003	117.5903
Medical Office Building	372070	118.5496	4.8900e-003	1.0100e-003	118.9737
Single Family Housing	782306	249.2594	0.0103	2.1300e-003	250.1512
User Defined Commercial	1.57114e+007	5,005.9871	0.2067	0.0428	5,023.8961
User Defined Recreational	570384	181.7366	7.5000e-003	1.5500e-003	182.3867
Total		**5,672.7038**	**0.2342**	**0.0485**	**5,692.9981**

6.0 Area Detail

6.1 Mitigation Measures Area

Use Low VOC Paint - Residential Interior

Use Low VOC Paint - Residential Exterior

Use Low VOC Paint - Non-Residential Interior

Use Low VOC Paint - Non-Residential Exterior

No Hearths Installed

	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	9.1236	7.8700e-003	0.6834	4.0000e-005		3.8000e-003	3.8000e-003		3.8000e-003	3.8000e-003	0.0000	1.1199	1.1199	1.0700e-003	0.0000	1.1467
Unmitigated	14.8025	0.1067	6.9577	0.0102		0.8640	0.8640		0.8640	0.8640	76.4356	40.9750	117.4105	1.8400e-003	7.4700e-003	119.6840

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	0.3140					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	8.7890					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	5.6789	0.0988	6.2744	0.0101		0.8602	0.8602		0.8602	0.8602	76.4356	39.8551	116.2907	7.6000e-004	7.4700e-003	118.5373
Landscaping	0.0206	7.8700e-003	0.6834	4.0000e-005		3.8000e-003	3.8000e-003		3.8000e-003	3.8000e-003	0.0000	1.1199	1.1199	1.0700e-003	0.0000	1.1467
Total	**14.8025**	**0.1067**	**6.9577**	**0.0102**		**0.8640**	**0.8640**		**0.8640**	**0.8640**	**76.4356**	**40.9750**	**117.4105**	**1.8300e-003**	**7.4700e-003**	**119.6840**

6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.3140					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	8.7890					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	0.0206	7.8700e-003	0.6834	4.0000e-005		3.8000e-003	3.8000e-003		3.8000e-003	3.8000e-003	0.0000	1.1199	1.1199	1.0700e-003	0.0000	1.1467
Total	**9.1236**	**7.8700e-003**	**0.6834**	**4.0000e-005**		**3.8000e-003**	**3.8000e-003**		**3.8000e-003**	**3.8000e-003**	**0.0000**	**1.1199**	**1.1199**	**1.0700e-003**	**0.0000**	**1.1467**

7.0 Water Detail

7.1 Mitigation Measures Water

Use Reclaimed Water

Install Low Flow Bathroom Faucet

Install Low Flow Kitchen Faucet

Install Low Flow Toilet

Install Low Flow Shower

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	74.4936	0.7102	0.0173	97.3995
Unmitigated	105.6899	0.8883	0.0217	134.3672

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
City Park	0 / 13.7076	15.2863	6.3000e-004	1.3000e-004	15.3410
General Office Building	1.4892 / 0	3.0399	0.0486	1.1700e-003	4.6037
Medical Office Building	1.50672 / 0	3.0757	0.0492	1.1800e-003	4.6579
Single Family Housing	21.7598 / 0	44.4187	0.7106	0.0171	67.2681
User Defined Commercial	0 / 31.39	35.0053	1.4500e-003	3.0000e-004	35.1306
User Defined Recreational	2.38272 / 0	4.8639	0.0778	1.8700e-003	7.3659
Total		**105.6899**	**0.8883**	**0.0217**	**134.3672**

7.2 Water by Land Use

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
City Park	0 / 8.22455	9.1718	3.8000e-004	8.0000e-005	9.2046
General Office Building	1.19136 / 0	2.4319	0.0389	9.3000e-004	3.6830
Medical Office Building	1.20538 / 0	2.4606	0.0394	9.5000e-004	3.7263
Single Family Housing	17.4079 / 0	35.5349	0.5685	0.0137	53.8145
User Defined Commercial	0 / 18.834	21.0032	8.7000e-004	1.8000e-004	21.0784
User Defined Recreational	1.90618 / 0	3.8911	0.0623	1.4900e-003	5.8927
Total		**74.4936**	**0.7102**	**0.0173**	**97.3995**

8.0 Waste Detail

8.1 Mitigation Measures Waste

Institute Recycling and Composting Services

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	62.3426	3.6843	0.0000	154.4511
Unmitigated	124.6852	7.3687	0.0000	308.9022

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
City Park	2.49	0.5055	0.0299	0.0000	1.2522
General Office Building	39.52	8.0222	0.4741	0.0000	19.8747
Medical Office Building	464.4	94.2690	5.5711	0.0000	233.5475
Single Family Housing	107.83	21.8885	1.2936	0.0000	54.2279
User Defined Commercial	0	0.0000	0.0000	0.0000	0.0000
User Defined Recreational	0	0.0000	0.0000	0.0000	0.0000
Total		**124.6852**	**7.3687**	**0.0000**	**308.9022**

8.2 Waste by Land Use

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
City Park	1.245	0.2527	0.0149	0.0000	0.6261
General Office Building	19.76	4.0111	0.2371	0.0000	9.9373
Medical Office Building	232.2	47.1345	2.7856	0.0000	116.7737
Single Family Housing	53.915	10.9443	0.6468	0.0000	27.1139
User Defined Commercial	0	0.0000	0.0000	0.0000	0.0000
User Defined Recreational	0	0.0000	0.0000	0.0000	0.0000
Total		**62.3426**	**3.6844**	**0.0000**	**154.4511**

9.0 Operational Offroad

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

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

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

Boilers

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

User Defined Equipment

Equipment Type	Number

11.0 Vegetation

	Total CO2	CH4	N2O	CO2e
Category	MT			
Unmitigated	-948.6000	0.0000	0.0000	-948.6000

11.1 Vegetation Land Change

Vegetation Type

	Initial/Final	Total CO2	CH4	N2O	CO2e
	Acres	MT			
Cropland	196 / 43	-948.6000	0.0000	0.0000	-948.6000
Total		**-948.6000**	**0.0000**	**0.0000**	**-948.6000**

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1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Office Building	42.50	1000sqft	7.00	42,500.00	0
Medical Office Building	43.00	1000sqft	7.00	43,000.00	0
User Defined Commercial	43.00	User Defined Unit	43.00	1,873,080.00	0
City Park	52.00	Acre	52.00	2,265,120.00	0
User Defined Recreational	68.00	User Defined Unit	11.00	68,000.00	0
Single Family Housing	92.00	Dwelling Unit	102.00	220,800.00	263

1.2 Other Project Characteristics

Urbanization	Rural	**Wind Speed (m/s)**	2.7	**Precipitation Freq (Days)**	32
Climate Zone	3			**Operational Year**	2032
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	702.44	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - CalEEMod Input Table

Construction Phase - CalEEMod Input Tables

Grading - CalEEMod Inputs

Architectural Coating - No architectural coating for organic farm.

Vehicle Trips - CalEEMod Inputs

Area Coating - No architectural coating for organic farm.

Energy Use - CalEEMod Inputs

Water And Wastewater - CalEEMod Inputs

Land Use Change -

Construction Off-road Equipment Mitigation -

Area Mitigation -

Energy Mitigation -

Water Mitigation -

Waste Mitigation -

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	ConstArea_Nonresidential_Exterior	1,013,290.00	76,750.00
tblArchitecturalCoating	ConstArea_Nonresidential_Interior	3,039,870.00	230,250.00
tblAreaCoating	Area_Nonresidential_Exterior	1013290	76750
tblAreaCoating	Area_Nonresidential_Interior	3039870	230250
tblAreaMitigation	UseLowVOCPaintParkingCheck	False	True
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	15
tblConstructionPhase	NumDays	330.00	350.00
tblConstructionPhase	NumDays	4,650.00	400.00
tblConstructionPhase	NumDays	300.00	14.00
tblConstructionPhase	NumDays	465.00	48.00

tblConstructionPhase	NumDays	330.00	112.00
tblConstructionPhase	NumDays	180.00	35.00
tblEnergyUse	LightingElect	0.00	2.70
tblEnergyUse	LightingElect	0.00	2.70
tblEnergyUse	NT24E	0.00	4.16
tblEnergyUse	NT24E	0.00	4.16
tblEnergyUse	NT24NG	0.00	4.00
tblEnergyUse	NT24NG	0.00	4.00
tblEnergyUse	T24E	0.00	1.96
tblEnergyUse	T24E	0.00	1.96
tblEnergyUse	T24NG	0.00	17.00
tblEnergyUse	T24NG	0.00	17.00
tblGrading	AcresOfGrading	120.00	147.30
tblLandUse	LandUseSquareFeet	0.00	1,873,080.00
tblLandUse	LandUseSquareFeet	0.00	68,000.00
tblLandUse	LandUseSquareFeet	165,600.00	220,800.00
tblLandUse	LotAcreage	0.98	7.00
tblLandUse	LotAcreage	0.99	7.00
tblLandUse	LotAcreage	0.00	43.00
tblLandUse	LotAcreage	0.00	11.00
tblLandUse	LotAcreage	29.87	102.00
tblProjectCharacteristics	UrbanizationLevel	Urban	Rural
tblVehicleTrips	CC_TL	6.60	7.30
tblVehicleTrips	CC_TL	6.60	43.00
tblVehicleTrips	CC_TL	6.60	7.30
tblVehicleTrips	CC_TTP	0.00	28.00
tblVehicleTrips	CC_TTP	0.00	90.00

tblVehicleTrips	CNW_TL	6.60	7.30
tblVehicleTrips	CNW_TL	6.60	22.00
tblVehicleTrips	CNW_TL	6.60	7.30
tblVehicleTrips	CNW_TTP	0.00	13.00
tblVehicleTrips	CNW_TTP	0.00	5.00
tblVehicleTrips	CW_TL	14.70	9.50
tblVehicleTrips	CW_TL	14.70	22.00
tblVehicleTrips	CW_TL	14.70	9.50
tblVehicleTrips	CW_TTP	0.00	59.00
tblVehicleTrips	CW_TTP	0.00	5.00
tblVehicleTrips	DV_TP	30.00	0.00
tblVehicleTrips	PB_TP	10.00	0.00
tblVehicleTrips	PR_TP	60.00	100.00
tblVehicleTrips	PR_TP	0.00	100.00
tblVehicleTrips	PR_TP	0.00	100.00
tblVehicleTrips	ST_TR	22.75	19.60
tblVehicleTrips	ST_TR	2.46	0.00
tblVehicleTrips	ST_TR	8.96	4.29
tblVehicleTrips	ST_TR	9.91	9.86
tblVehicleTrips	ST_TR	0.00	2.00
tblVehicleTrips	ST_TR	0.00	4.55
tblVehicleTrips	SU_TR	16.74	19.60
tblVehicleTrips	SU_TR	1.05	0.00
tblVehicleTrips	SU_TR	1.55	4.29
tblVehicleTrips	SU_TR	8.62	9.86
tblVehicleTrips	SU_TR	0.00	2.00
tblVehicleTrips	SU_TR	0.00	4.55

tblVehicleTrips	WD_TR	1.89	7.80
tblVehicleTrips	WD_TR	11.03	8.10
tblVehicleTrips	WD_TR	36.13	17.40
tblVehicleTrips	WD_TR	9.52	10.47
tblVehicleTrips	WD_TR	0.00	2.00
tblVehicleTrips	WD_TR	0.00	14.41
tblWater	IndoorWaterUseRate	7,553,684.29	1,489,200.00
tblWater	IndoorWaterUseRate	5,395,663.12	1,506,720.00
tblWater	IndoorWaterUseRate	5,994,170.36	21,759,840.00
tblWater	IndoorWaterUseRate	0.00	2,382,720.00
tblWater	OutdoorWaterUseRate	61,957,030.18	24,579,100.00
tblWater	OutdoorWaterUseRate	4,629,677.47	0.00
tblWater	OutdoorWaterUseRate	1,027,745.36	0.00
tblWater	OutdoorWaterUseRate	3,778,933.49	0.00
tblWater	OutdoorWaterUseRate	0.00	31,390,000.00

2.0 Emissions Summary

2.1 Overall Construction

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2030	1.8942	6.3012	6.2187	0.0363	3.0025	0.0495	3.0520	0.9248	0.0486	0.9734	0.0000	3,335.7296	3,335.7296	0.1350	0.0000	3,339.1037
2031	3.0496	7.4634	7.5180	0.0442	3.2481	0.0538	3.3019	0.8737	0.0527	0.9263	0.0000	4,058.6755	4,058.6755	0.1627	0.0000	4,062.7418
Maximum	**3.0496**	**7.4634**	**7.5180**	**0.0442**	**3.2481**	**0.0538**	**3.3019**	**0.9248**	**0.0527**	**0.9734**	**0.0000**	**4,058.6755**	**4,058.6755**	**0.1627**	**0.0000**	**4,062.7418**

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2030	1.8942	6.3012	6.2187	0.0363	2.7062	0.0495	2.7556	0.7809	0.0486	0.8295	0.0000	3,335.7290	3,335.7290	0.1350	0.0000	3,339.1031
2031	3.0496	7.4634	7.5180	0.0442	3.2481	0.0538	3.3019	0.8737	0.0527	0.9263	0.0000	4,058.6750	4,058.6750	0.1627	0.0000	4,062.7413
Maximum	**3.0496**	**7.4634**	**7.5180**	**0.0442**	**3.2481**	**0.0538**	**3.3019**	**0.8737**	**0.0527**	**0.9263**	**0.0000**	**4,058.6750**	**4,058.6750**	**0.1627**	**0.0000**	**4,062.7413**

	ROG	**NOx**	**CO**	**SO2**	**Fugitive PM10**	**Exhaust PM10**	**PM10 Total**	**Fugitive PM2.5**	**Exhaust PM2.5**	**PM2.5 Total**	**Bio- CO2**	**NBio-CO2**	**Total CO2**	**CH4**	**N20**	**CO2e**
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**4.74**	**0.00**	**4.66**	**8.00**	**0.00**	**7.58**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
1	1-1-2030	3-31-2030	0.6122	0.6122
2	4-1-2030	6-30-2030	1.8015	1.8015
3	7-1-2030	9-30-2030	2.8213	2.8213
4	10-1-2030	12-31-2030	2.9821	2.9821
5	1-1-2031	3-31-2031	3.1619	3.1619
6	4-1-2031	6-30-2031	3.1068	3.1068
7	7-1-2031	9-30-2031	2.9368	2.9368
		Highest	3.1619	3.1619

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	14.8119	0.1067	6.9579	0.0102		0.8640	0.8640		0.8640	0.8640	76.4356	40.9754	117.4110	1.8400e-003	7.4700e-003	119.6845
Energy	0.2388	2.1637	1.7716	0.0130		0.1650	0.1650		0.1650	0.1650	0.0000	8,323.3090	8,323.3090	0.2914	0.0942	8,358.6746
Mobile	0.7213	9.9884	7.2100	0.0588	4.0202	0.0249	4.0451	1.0795	0.0234	1.1028	0.0000	5,497.1954	5,497.1954	0.3182	0.0000	5,505.1508
Waste						0.0000	0.0000		0.0000	0.0000	125.0871	0.0000	125.0871	7.3924	0.0000	309.8980
Water						0.0000	0.0000		0.0000	0.0000	8.6098	109.2037	117.8135	0.8888	0.0218	146.5343
Total	**15.7719**	**12.2588**	**15.9395**	**0.0820**	**4.0202**	**1.0539**	**5.0741**	**1.0795**	**1.0524**	**2.1318**	**210.1325**	**13,970.6835**	**14,180.8159**	**8.8927**	**0.1235**	**14,439.9422**

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	9.1330	7.8700e-003	0.6836	4.0000e-005		3.8000e-003	3.8000e-003		3.8000e-003	3.8000e-003	0.0000	1.1203	1.1203	1.0700e-003	0.0000	1.1472
Energy	0.2388	2.1637	1.7716	0.0130		0.1650	0.1650		0.1650	0.1650	0.0000	8,035.8569	8,035.8569	0.2795	0.0918	8,070.1942
Mobile	0.7213	9.9884	7.2100	0.0588	4.0202	0.0249	4.0451	1.0795	0.0234	1.1028	0.0000	5,497.1954	5,497.1954	0.3182	0.0000	5,505.1508
Waste						0.0000	0.0000		0.0000	0.0000	62.5436	0.0000	62.5436	3.6962	0.0000	154.9490
Water						0.0000	0.0000		0.0000	0.0000	6.8878	74.8799	81.7677	0.7105	0.0173	104.6997
Total	**10.0930**	**12.1600**	**9.6652**	**0.0719**	**4.0202**	**0.1937**	**4.2139**	**1.0795**	**0.1921**	**1.2716**	**69.4314**	**13,609.0525**	**13,678.4839**	**5.0055**	**0.1091**	**13,836.1409**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**36.01**	**0.81**	**39.36**	**12.35**	**0.00**	**81.62**	**16.95**	**0.00**	**81.74**	**40.35**	**66.96**	**2.59**	**3.54**	**43.71**	**11.65**	**4.18**

2.3 Vegetation

Vegetation

	CO2e
Category	MT
Vegetation Land Change	-1,085.0000
Total	**-1,085.0000**

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	1/1/2030	1/18/2030	5	14	
2	Site Preparation	Site Preparation	1/1/2030	2/18/2030	5	35	
3	Grading	Grading	2/19/2030	4/25/2030	5	48	
4	Building Construction	Building Construction	4/26/2030	11/6/2031	5	400	
5	Architectural Coating	Architectural Coating	7/21/2030	11/21/2031	5	350	
6	Paving	Paving	1/1/2031	6/5/2031	5	112	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 147.3

Acres of Paving: 0

Residential Indoor: 447,120; Residential Outdoor: 149,040; Non-Residential Indoor: 230,250; Non-Residential Outdoor: 76,750; Striped Parking Area: 0 (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	Excavators	3	8.00	158	0.38
Demolition	Rubber Tired Dozers	2	8.00	247	0.40
Site Preparation	Rubber Tired Dozers	3	8.00	247	0.40
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Grading	Excavators	2	8.00	158	0.38
Grading	Graders	1	8.00	187	0.41
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Grading	Scrapers	2	8.00	367	0.48
Grading	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Building Construction	Cranes	1	7.00	231	0.29
Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45
Architectural Coating	Air Compressors	1	6.00	78	0.48
Paving	Pavers	2	8.00	130	0.42
Paving	Paving Equipment	2	8.00	132	0.36
Paving	Rollers	2	8.00	80	0.38

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	6	15.00	0.00	0.00	16.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	7	18.00	0.00	0.00	16.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Grading	8	20.00	0.00	0.00	16.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	1,640.00	713.00	0.00	16.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	328.00	0.00	0.00	16.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	16.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Use Soil Stabilizer

Water Exposed Area

Reduce Vehicle Speed on Unpaved Roads

3.2 Demolition - 2030

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	0.0145	0.0684	0.1324	3.2000e-004		2.4600e-003	2.4600e-003		2.4600e-003	2.4600e-003	0.0000	27.8053	27.8053	1.1700e-003	0.0000	27.8346
Total	**0.0145**	**0.0684**	**0.1324**	**3.2000e-004**		**2.4600e-003**	**2.4600e-003**		**2.4600e-003**	**2.4600e-003**	**0.0000**	**27.8053**	**27.8053**	**1.1700e-003**	**0.0000**	**27.8346**

3.2 Demolition - 2030

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.0000e-004	1.5000e-004	1.8600e-003	1.0000e-005	1.3200e-003	1.0000e-005	1.3200e-003	3.5000e-004	1.0000e-005	3.5000e-004	0.0000	0.8457	0.8457	1.0000e-005	0.0000	0.8460
Total	**3.0000e-004**	**1.5000e-004**	**1.8600e-003**	**1.0000e-005**	**1.3200e-003**	**1.0000e-005**	**1.3200e-003**	**3.5000e-004**	**1.0000e-005**	**3.5000e-004**	**0.0000**	**0.8457**	**0.8457**	**1.0000e-005**	**0.0000**	**0.8460**

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	0.0145	0.0684	0.1324	3.2000e-004		2.4600e-003	2.4600e-003		2.4600e-003	2.4600e-003	0.0000	27.8053	27.8053	1.1700e-003	0.0000	27.8346
Total	**0.0145**	**0.0684**	**0.1324**	**3.2000e-004**		**2.4600e-003**	**2.4600e-003**		**2.4600e-003**	**2.4600e-003**	**0.0000**	**27.8053**	**27.8053**	**1.1700e-003**	**0.0000**	**27.8346**

3.2 Demolition - 2030

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.0000e-004	1.5000e-004	1.8600e-003	1.0000e-005	1.3200e-003	1.0000e-005	1.3200e-003	3.5000e-004	1.0000e-005	3.5000e-004	0.0000	0.8457	0.8457	1.0000e-005	0.0000	0.8460
Total	**3.0000e-004**	**1.5000e-004**	**1.8600e-003**	**1.0000e-005**	**1.3200e-003**	**1.0000e-005**	**1.3200e-003**	**3.5000e-004**	**1.0000e-005**	**3.5000e-004**	**0.0000**	**0.8457**	**0.8457**	**1.0000e-005**	**0.0000**	**0.8460**

3.3 Site Preparation - 2030

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.3162	0.0000	0.3162	0.1738	0.0000	0.1738	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0427	0.2392	0.2851	8.1000e-004		7.6400e-003	7.6400e-003		7.6400e-003	7.6400e-003	0.0000	70.0081	70.0081	3.4500e-003	0.0000	70.0944
Total	**0.0427**	**0.2392**	**0.2851**	**8.1000e-004**	**0.3162**	**7.6400e-003**	**0.3238**	**0.1738**	**7.6400e-003**	**0.1814**	**0.0000**	**70.0081**	**70.0081**	**3.4500e-003**	**0.0000**	**70.0944**

3.3 Site Preparation - 2030

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	8.9000e-004	4.6000e-004	5.5900e-003	3.0000e-005	3.9500e-003	2.0000e-005	3.9600e-003	1.0500e-003	2.0000e-005	1.0600e-003	0.0000	2.5372	2.5372	3.0000e-005	0.0000	2.5380
Total	**8.9000e-004**	**4.6000e-004**	**5.5900e-003**	**3.0000e-005**	**3.9500e-003**	**2.0000e-005**	**3.9600e-003**	**1.0500e-003**	**2.0000e-005**	**1.0600e-003**	**0.0000**	**2.5372**	**2.5372**	**3.0000e-005**	**0.0000**	**2.5380**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.1423	0.0000	0.1423	0.0782	0.0000	0.0782	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0427	0.2392	0.2851	8.1000e-004		7.6400e-003	7.6400e-003		7.6400e-003	7.6400e-003	0.0000	70.0080	70.0080	3.4500e-003	0.0000	70.0944
Total	**0.0427**	**0.2392**	**0.2851**	**8.1000e-004**	**0.1423**	**7.6400e-003**	**0.1499**	**0.0782**	**7.6400e-003**	**0.0858**	**0.0000**	**70.0080**	**70.0080**	**3.4500e-003**	**0.0000**	**70.0944**

3.3 Site Preparation - 2030

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	8.9000e-004	4.6000e-004	5.5900e-003	3.0000e-005	3.9500e-003	2.0000e-005	3.9600e-003	1.0500e-003	2.0000e-005	1.0600e-003	0.0000	2.5372	2.5372	3.0000e-005	0.0000	2.5380
Total	**8.9000e-004**	**4.6000e-004**	**5.5900e-003**	**3.0000e-005**	**3.9500e-003**	**2.0000e-005**	**3.9600e-003**	**1.0500e-003**	**2.0000e-005**	**1.0600e-003**	**0.0000**	**2.5372**	**2.5372**	**3.0000e-005**	**0.0000**	**2.5380**

3.4 Grading - 2030

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.2226	0.0000	0.2226	0.0879	0.0000	0.0879	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0787	0.3323	0.5526	1.6800e-003		0.0117	0.0117		0.0117	0.0117	0.0000	157.0469	157.0469	6.3500e-003	0.0000	157.2056
Total	**0.0787**	**0.3323**	**0.5526**	**1.6800e-003**	**0.2226**	**0.0117**	**0.2344**	**0.0879**	**0.0117**	**0.0996**	**0.0000**	**157.0469**	**157.0469**	**6.3500e-003**	**0.0000**	**157.2056**

3.4 Grading - 2030

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.3600e-003	7.0000e-004	8.5300e-003	4.0000e-005	6.0100e-003	3.0000e-005	6.0400e-003	1.6000e-003	2.0000e-005	1.6200e-003	0.0000	3.8662	3.8662	5.0000e-005	0.0000	3.8675
Total	**1.3600e-003**	**7.0000e-004**	**8.5300e-003**	**4.0000e-005**	**6.0100e-003**	**3.0000e-005**	**6.0400e-003**	**1.6000e-003**	**2.0000e-005**	**1.6200e-003**	**0.0000**	**3.8662**	**3.8662**	**5.0000e-005**	**0.0000**	**3.8675**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.1002	0.0000	0.1002	0.0396	0.0000	0.0396	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0787	0.3323	0.5526	1.6800e-003		0.0117	0.0117		0.0117	0.0117	0.0000	157.0467	157.0467	6.3500e-003	0.0000	157.2054
Total	**0.0787**	**0.3323**	**0.5526**	**1.6800e-003**	**0.1002**	**0.0117**	**0.1119**	**0.0396**	**0.0117**	**0.0513**	**0.0000**	**157.0467**	**157.0467**	**6.3500e-003**	**0.0000**	**157.2054**

3.4 Grading - 2030

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.3600e-003	7.0000e-004	8.5300e-003	4.0000e-005	6.0100e-003	3.0000e-005	6.0400e-003	1.6000e-003	2.0000e-005	1.6200e-003	0.0000	3.8662	3.8662	5.0000e-005	0.0000	3.8675
Total	**1.3600e-003**	**7.0000e-004**	**8.5300e-003**	**4.0000e-005**	**6.0100e-003**	**3.0000e-005**	**6.0400e-003**	**1.6000e-003**	**2.0000e-005**	**1.6200e-003**	**0.0000**	**3.8662**	**3.8662**	**5.0000e-005**	**0.0000**	**3.8675**

3.5 Building Construction - 2030

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	0.1165	0.7062	1.4380	2.7600e-003		0.0132	0.0132		0.0132	0.0132	0.0000	233.9463	233.9463	9.3900e-003	0.0000	234.1810
Total	**0.1165**	**0.7062**	**1.4380**	**2.7600e-003**		**0.0132**	**0.0132**		**0.0132**	**0.0132**	**0.0000**	**233.9463**	**233.9463**	**9.3900e-003**	**0.0000**	**234.1810**

3.5 Building Construction - 2030

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.1137	4.6620	0.7563	0.0157	0.3832	4.2000e-003	0.3874	0.1106	4.0100e-003	0.1146	0.0000	1,494.5413	1,494.5413	0.0967	0.0000	1,496.9578
Worker	0.4139	0.2136	2.5924	0.0130	1.8288	8.0000e-003	1.8368	0.4857	7.3600e-003	0.4931	0.0000	1,175.6450	1,175.6450	0.0152	0.0000	1,176.0261
Total	**0.5276**	**4.8756**	**3.3487**	**0.0287**	**2.2120**	**0.0122**	**2.2242**	**0.5963**	**0.0114**	**0.6077**	**0.0000**	**2,670.1863**	**2,670.1863**	**0.1119**	**0.0000**	**2,672.9838**

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	0.1165	0.7062	1.4380	2.7600e-003		0.0132	0.0132		0.0132	0.0132	0.0000	233.9460	233.9460	9.3900e-003	0.0000	234.1807
Total	**0.1165**	**0.7062**	**1.4380**	**2.7600e-003**		**0.0132**	**0.0132**		**0.0132**	**0.0132**	**0.0000**	**233.9460**	**233.9460**	**9.3900e-003**	**0.0000**	**234.1807**

3.5 Building Construction - 2030

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.1137	4.6620	0.7563	0.0157	0.3832	4.2000e-003	0.3874	0.1106	4.0100e-003	0.1146	0.0000	1,494.5413	1,494.5413	0.0967	0.0000	1,496.9578
Worker	0.4139	0.2136	2.5924	0.0130	1.8288	8.0000e-003	1.8368	0.4857	7.3600e-003	0.4931	0.0000	1,175.6450	1,175.6450	0.0152	0.0000	1,176.0261
Total	**0.5276**	**4.8756**	**3.3487**	**0.0287**	**2.2120**	**0.0122**	**2.2242**	**0.5963**	**0.0114**	**0.6077**	**0.0000**	**2,670.1863**	**2,670.1863**	**0.1119**	**0.0000**	**2,672.9838**

3.5 Building Construction - 2031

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	0.1453	0.8807	1.7934	3.4400e-003		0.0164	0.0164		0.0164	0.0164	0.0000	291.7757	291.7757	0.0117	0.0000	292.0684
Total	**0.1453**	**0.8807**	**1.7934**	**3.4400e-003**		**0.0164**	**0.0164**		**0.0164**	**0.0164**	**0.0000**	**291.7757**	**291.7757**	**0.0117**	**0.0000**	**292.0684**

3.5 Building Construction - 2031

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.1405	5.7865	0.9280	0.0196	0.4779	5.1900e-003	0.4831	0.1380	4.9600e-003	0.1429	0.0000	1,860.0965	1,860.0965	0.1222	0.0000	1,863.1516
Worker	0.4783	0.2451	3.0461	0.0158	2.2809	9.3000e-003	2.2902	0.6058	8.5500e-003	0.6143	0.0000	1,434.3893	1,434.3893	0.0175	0.0000	1,434.8259
Total	**0.6189**	**6.0316**	**3.9741**	**0.0354**	**2.7588**	**0.0145**	**2.7733**	**0.7437**	**0.0135**	**0.7572**	**0.0000**	**3,294.4858**	**3,294.4858**	**0.1397**	**0.0000**	**3,297.9775**

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	0.1453	0.8807	1.7934	3.4400e-003		0.0164	0.0164		0.0164	0.0164	0.0000	291.7754	291.7754	0.0117	0.0000	292.0680
Total	**0.1453**	**0.8807**	**1.7934**	**3.4400e-003**		**0.0164**	**0.0164**		**0.0164**	**0.0164**	**0.0000**	**291.7754**	**291.7754**	**0.0117**	**0.0000**	**292.0680**

3.5 Building Construction - 2031

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.1405	5.7865	0.9280	0.0196	0.4779	5.1900e-003	0.4831	0.1380	4.9600e-003	0.1429	0.0000	1,860.0965	1,860.0965	0.1222	0.0000	1,863.1516
Worker	0.4783	0.2451	3.0461	0.0158	2.2809	9.3000e-003	2.2902	0.6058	8.5500e-003	0.6143	0.0000	1,434.3893	1,434.3893	0.0175	0.0000	1,434.8259
Total	**0.6189**	**6.0316**	**3.9741**	**0.0354**	**2.7588**	**0.0145**	**2.7733**	**0.7437**	**0.0135**	**0.7572**	**0.0000**	**3,294.4858**	**3,294.4858**	**0.1397**	**0.0000**	**3,297.9775**

3.6 Architectural Coating - 2030

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	1.0495					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	7.6500e-003	0.0501	0.1052	1.7000e-004		1.1900e-003	1.1900e-003		1.1900e-003	1.1900e-003	0.0000	14.9365	14.9365	6.0000e-004	0.0000	14.9517
Total	**1.0572**	**0.0501**	**0.1052**	**1.7000e-004**		**1.1900e-003**	**1.1900e-003**		**1.1900e-003**	**1.1900e-003**	**0.0000**	**14.9365**	**14.9365**	**6.0000e-004**	**0.0000**	**14.9517**

3.6 Architectural Coating - 2030

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0544	0.0281	0.3408	1.7100e-003	0.2404	1.0500e-003	0.2415	0.0639	9.7000e-004	0.0648	0.0000	154.5511	154.5511	2.0000e-003	0.0000	154.6012
Total	**0.0544**	**0.0281**	**0.3408**	**1.7100e-003**	**0.2404**	**1.0500e-003**	**0.2415**	**0.0639**	**9.7000e-004**	**0.0648**	**0.0000**	**154.5511**	**154.5511**	**2.0000e-003**	**0.0000**	**154.6012**

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	1.0495					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	7.6500e-003	0.0501	0.1052	1.7000e-004		1.1900e-003	1.1900e-003		1.1900e-003	1.1900e-003	0.0000	14.9365	14.9365	6.0000e-004	0.0000	14.9516
Total	**1.0572**	**0.0501**	**0.1052**	**1.7000e-004**		**1.1900e-003**	**1.1900e-003**		**1.1900e-003**	**1.1900e-003**	**0.0000**	**14.9365**	**14.9365**	**6.0000e-004**	**0.0000**	**14.9516**

3.6 Architectural Coating - 2030

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0544	0.0281	0.3408	1.7100e-003	0.2404	1.0500e-003	0.2415	0.0639	9.7000e-004	0.0648	0.0000	154.5511	154.5511	2.0000e-003	0.0000	154.6012
Total	**0.0544**	**0.0281**	**0.3408**	**1.7100e-003**	**0.2404**	**1.0500e-003**	**0.2415**	**0.0639**	**9.7000e-004**	**0.0648**	**0.0000**	**154.5511**	**154.5511**	**2.0000e-003**	**0.0000**	**154.6012**

3.6 Architectural Coating - 2031

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	2.0901					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0152	0.0998	0.2094	3.5000e-004		2.3700e-003	2.3700e-003		2.3700e-003	2.3700e-003	0.0000	29.7454	29.7454	1.2000e-003	0.0000	29.7755
Total	**2.1053**	**0.0998**	**0.2094**	**3.5000e-004**		**2.3700e-003**	**2.3700e-003**		**2.3700e-003**	**2.3700e-003**	**0.0000**	**29.7454**	**29.7454**	**1.2000e-003**	**0.0000**	**29.7755**

3.6 Architectural Coating - 2031

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.1004	0.0515	0.6394	3.3200e-003	0.4788	1.9500e-003	0.4807	0.1272	1.7900e-003	0.1290	0.0000	301.0925	301.0925	3.6700e-003	0.0000	301.1842
Total	**0.1004**	**0.0515**	**0.6394**	**3.3200e-003**	**0.4788**	**1.9500e-003**	**0.4807**	**0.1272**	**1.7900e-003**	**0.1290**	**0.0000**	**301.0925**	**301.0925**	**3.6700e-003**	**0.0000**	**301.1842**

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	2.0901					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0152	0.0998	0.2094	3.5000e-004		2.3700e-003	2.3700e-003		2.3700e-003	2.3700e-003	0.0000	29.7454	29.7454	1.2000e-003	0.0000	29.7755
Total	**2.1053**	**0.0998**	**0.2094**	**3.5000e-004**		**2.3700e-003**	**2.3700e-003**		**2.3700e-003**	**2.3700e-003**	**0.0000**	**29.7454**	**29.7454**	**1.2000e-003**	**0.0000**	**29.7755**

3.6 Architectural Coating - 2031

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.1004	0.0515	0.6394	3.3200e-003	0.4788	1.9500e-003	0.4807	0.1272	1.7900e-003	0.1290	0.0000	301.0925	301.0925	3.6700e-003	0.0000	301.1842
Total	**0.1004**	**0.0515**	**0.6394**	**3.3200e-003**	**0.4788**	**1.9500e-003**	**0.4807**	**0.1272**	**1.7900e-003**	**0.1290**	**0.0000**	**301.0925**	**301.0925**	**3.6700e-003**	**0.0000**	**301.1842**

3.7 Paving - 2031

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	0.0775	0.3987	0.8876	1.5700e-003		0.0185	0.0185		0.0185	0.0185	0.0000	134.9573	134.9573	6.3300e-003	0.0000	135.1155
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0775**	**0.3987**	**0.8876**	**1.5700e-003**		**0.0185**	**0.0185**		**0.0185**	**0.0185**	**0.0000**	**134.9573**	**134.9573**	**6.3300e-003**	**0.0000**	**135.1155**

3.7 Paving - 2031

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.2100e-003	1.1300e-003	0.0141	7.0000e-005	0.0105	4.0000e-005	0.0106	2.8000e-003	4.0000e-005	2.8300e-003	0.0000	6.6188	6.6188	8.0000e-005	0.0000	6.6208
Total	**2.2100e-003**	**1.1300e-003**	**0.0141**	**7.0000e-005**	**0.0105**	**4.0000e-005**	**0.0106**	**2.8000e-003**	**4.0000e-005**	**2.8300e-003**	**0.0000**	**6.6188**	**6.6188**	**8.0000e-005**	**0.0000**	**6.6208**

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	0.0775	0.3987	0.8876	1.5700e-003		0.0185	0.0185		0.0185	0.0185	0.0000	134.9571	134.9571	6.3300e-003	0.0000	135.1153
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0775**	**0.3987**	**0.8876**	**1.5700e-003**		**0.0185**	**0.0185**		**0.0185**	**0.0185**	**0.0000**	**134.9571**	**134.9571**	**6.3300e-003**	**0.0000**	**135.1153**

3.7 Paving - 2031

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.2100e-003	1.1300e-003	0.0141	7.0000e-005	0.0105	4.0000e-005	0.0106	2.8000e-003	4.0000e-005	2.8300e-003	0.0000	6.6188	6.6188	8.0000e-005	0.0000	6.6208
Total	**2.2100e-003**	**1.1300e-003**	**0.0141**	**7.0000e-005**	**0.0105**	**4.0000e-005**	**0.0106**	**2.8000e-003**	**4.0000e-005**	**2.8300e-003**	**0.0000**	**6.6188**	**6.6188**	**8.0000e-005**	**0.0000**	**6.6208**

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	0.7213	9.9884	7.2100	0.0588	4.0202	0.0249	4.0451	1.0795	0.0234	1.1028	0.0000	5,497.1954	5,497.1954	0.3182	0.0000	5,505.1508
Unmitigated	0.7213	9.9884	7.2100	0.0588	4.0202	0.0249	4.0451	1.0795	0.0234	1.1028	0.0000	5,497.1954	5,497.1954	0.3182	0.0000	5,505.1508

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
City Park	405.60	1,019.20	1019.20	1,432,654	1,432,654
General Office Building	344.25	0.00	0.00	678,867	678,867
Medical Office Building	748.20	184.47	184.47	1,699,306	1,699,306
Single Family Housing	963.24	907.12	907.12	3,641,883	3,641,883
User Defined Commercial	86.00	86.00	86.00	872,756	872,756
User Defined Recreational	979.88	309.40	309.40	2,126,273	2,126,273
Total	3,527.17	2,506.19	2,506.19	10,451,738	10,451,738

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
City Park	14.70	6.60	6.60	33.00	48.00	19.00	66	28	6
General Office Building	14.70	6.60	6.60	33.00	48.00	19.00	77	19	4
Medical Office Building	9.50	7.30	7.30	29.60	51.40	19.00	100	0	0
Single Family Housing	16.80	7.10	7.90	46.40	16.40	37.20	86	11	3
User Defined Commercial	22.00	43.00	22.00	59.00	28.00	13.00	100	0	0
User Defined Recreational	9.50	7.30	7.30	5.00	90.00	5.00	100	0	0

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
City Park	0.512938	0.029516	0.180921	0.095838	0.009977	0.003884	0.016297	0.140952	0.001553	0.001363	0.005460	0.000802	0.000501
General Office Building	0.512938	0.029516	0.180921	0.095838	0.009977	0.003884	0.016297	0.140952	0.001553	0.001363	0.005460	0.000802	0.000501
Medical Office Building	0.512938	0.029516	0.180921	0.095838	0.009977	0.003884	0.016297	0.140952	0.001553	0.001363	0.005460	0.000802	0.000501
Single Family Housing	0.512938	0.029516	0.180921	0.095838	0.009977	0.003884	0.016297	0.140952	0.001553	0.001363	0.005460	0.000802	0.000501
User Defined Commercial	0.512938	0.029516	0.180921	0.095838	0.009977	0.003884	0.016297	0.140952	0.001553	0.001363	0.005460	0.000802	0.000501
User Defined Recreational	0.512938	0.029516	0.180921	0.095838	0.009977	0.003884	0.016297	0.140952	0.001553	0.001363	0.005460	0.000802	0.000501

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

Install High Efficiency Lighting

Tejon A2 Indirect - Kern-San Joaquin County, Annual

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Electricity Mitigated						0.0000	0.0000		0.0000	0.0000	0.0000	5,672.7038	5,672.7038	0.2342	0.0485	5,692.9981
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	5,960.1558	5,960.1558	0.2461	0.0509	5,981.4785
NaturalGas Mitigated	0.2388	2.1637	1.7716	0.0130		0.1650	0.1650		0.1650	0.1650	0.0000	2,363.1531	2,363.1531	0.0453	0.0433	2,377.1962
NaturalGas Unmitigated	0.2388	2.1637	1.7716	0.0130		0.1650	0.1650		0.1650	0.1650	0.0000	2,363.1531	2,363.1531	0.0453	0.0433	2,377.1962

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					
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
General Office Building	554625	2.9900e-003	0.0272	0.0228	1.6000e-004		2.0700e-003	2.0700e-003		2.0700e-003	2.0700e-003	0.0000	29.5969	29.5969	5.7000e-004	5.4000e-004	29.7728
Medical Office Building	561150	3.0300e-003	0.0275	0.0231	1.7000e-004		2.0900e-003	2.0900e-003		2.0900e-003	2.0900e-003	0.0000	29.9451	29.9451	5.7000e-004	5.5000e-004	30.1231
Single Family Housing	2.40536e+006	0.0130	0.1108	0.0472	7.1000e-004		8.9600e-003	8.9600e-003		8.9600e-003	8.9600e-003	0.0000	128.3593	128.3593	2.4600e-003	2.3500e-003	129.1221
User Defined Commercial	3.93347e+007	0.2121	1.9282	1.6197	0.0116		0.1465	0.1465		0.1465	0.1465	0.0000	2,099.0483	2,099.0483	0.0402	0.0385	2,111.5219
User Defined Recreational	1.428e+006	7.7000e-003	0.0700	0.0588	4.2000e-004		5.3200e-003	5.3200e-003		5.3200e-003	5.3200e-003	0.0000	76.2035	76.2035	1.4600e-003	1.4000e-003	76.6564
Total		**0.2388**	**2.1637**	**1.7716**	**0.0130**		**0.1650**	**0.1650**		**0.1650**	**0.1650**	**0.0000**	**2,363.1531**	**2,363.1531**	**0.0453**	**0.0433**	**2,377.1962**

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					
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
General Office Building	554625	2.9900e-003	0.0272	0.0228	1.6000e-004		2.0700e-003	2.0700e-003		2.0700e-003	2.0700e-003	0.0000	29.5969	29.5969	5.7000e-004	5.4000e-004	29.7728
Medical Office Building	561150	3.0300e-003	0.0275	0.0231	1.7000e-004		2.0900e-003	2.0900e-003		2.0900e-003	2.0900e-003	0.0000	29.9451	29.9451	5.7000e-004	5.5000e-004	30.1231
Single Family Housing	2.40536e+006	0.0130	0.1108	0.0472	7.1000e-004		8.9600e-003	8.9600e-003		8.9600e-003	8.9600e-003	0.0000	128.3593	128.3593	2.4600e-003	2.3500e-003	129.1221
User Defined Commercial	3.93347e+007	0.2121	1.9282	1.6197	0.0116		0.1465	0.1465		0.1465	0.1465	0.0000	2,099.0483	2,099.0483	0.0402	0.0385	2,111.5219
User Defined Recreational	1.428e+006	7.7000e-003	0.0700	0.0588	4.2000e-004		5.3200e-003	5.3200e-003		5.3200e-003	5.3200e-003	0.0000	76.2035	76.2035	1.4600e-003	1.4000e-003	76.6564
Total		**0.2388**	**2.1637**	**1.7716**	**0.0130**		**0.1650**	**0.1650**		**0.1650**	**0.1650**	**0.0000**	**2,363.1531**	**2,363.1531**	**0.0453**	**0.0433**	**2,377.1962**

5.3 Energy by Land Use - Electricity

Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
City Park	0	0.0000	0.0000	0.0000	0.0000
General Office Building	387600	123.4977	5.1000e-003	1.0500e-003	123.9395
Medical Office Building	392160	124.9506	5.1600e-003	1.0700e-003	125.3976
Single Family Housing	805988	256.8051	0.0106	2.1900e-003	257.7238
User Defined Commercial	1.65206e+007	5,263.8061	0.2173	0.0450	5,282.6376
User Defined Recreational	599760	191.0964	7.8900e-003	1.6300e-003	191.7800
Total		**5,960.1558**	**0.2461**	**0.0509**	**5,981.4785**

5.3 Energy by Land Use - Electricity

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
City Park	0	0.0000	0.0000	0.0000	0.0000
General Office Building	367744	117.1711	4.8400e-003	1.0000e-003	117.5903
Medical Office Building	372070	118.5496	4.8900e-003	1.0100e-003	118.9737
Single Family Housing	782306	249.2594	0.0103	2.1300e-003	250.1512
User Defined Commercial	1.57114e+007	5,005.9871	0.2067	0.0428	5,023.8961
User Defined Recreational	570384	181.7366	7.5000e-003	1.5500e-003	182.3867
Total		**5,672.7038**	**0.2342**	**0.0485**	**5,692.9981**

6.0 Area Detail

6.1 Mitigation Measures Area

Use Low VOC Paint - Residential Interior

Use Low VOC Paint - Residential Exterior

Use Low VOC Paint - Non-Residential Interior

Use Low VOC Paint - Non-Residential Exterior

No Hearths Installed

	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	9.1330	7.8700e-003	0.6836	4.0000e-005		3.8000e-003	3.8000e-003		3.8000e-003	3.8000e-003	0.0000	1.1203	1.1203	1.0700e-003	0.0000	1.1472
Unmitigated	14.8119	0.1067	6.9579	0.0102		0.8640	0.8640		0.8640	0.8640	76.4356	40.9754	117.4110	1.8400e-003	7.4700e-003	119.6845

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	0.3140					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	8.7984					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	5.6789	0.0988	6.2744	0.0101		0.8602	0.8602		0.8602	0.8602	76.4356	39.8551	116.2907	7.6000e-004	7.4700e-003	118.5373
Landscaping	0.0206	7.8700e-003	0.6836	4.0000e-005		3.8000e-003	3.8000e-003		3.8000e-003	3.8000e-003	0.0000	1.1203	1.1203	1.0700e-003	0.0000	1.1472
Total	**14.8119**	**0.1067**	**6.9579**	**0.0102**		**0.8640**	**0.8640**		**0.8640**	**0.8640**	**76.4356**	**40.9754**	**117.4110**	**1.8300e-003**	**7.4700e-003**	**119.6845**

6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.3140					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	8.7984					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	0.0206	7.8700e-003	0.6836	4.0000e-005		3.8000e-003	3.8000e-003		3.8000e-003	3.8000e-003	0.0000	1.1203	1.1203	1.0700e-003	0.0000	1.1472
Total	**9.1330**	**7.8700e-003**	**0.6836**	**4.0000e-005**		**3.8000e-003**	**3.8000e-003**		**3.8000e-003**	**3.8000e-003**	**0.0000**	**1.1203**	**1.1203**	**1.0700e-003**	**0.0000**	**1.1472**

7.0 Water Detail

7.1 Mitigation Measures Water

Use Reclaimed Water

Install Low Flow Bathroom Faucet

Install Low Flow Kitchen Faucet

Install Low Flow Toilet

Install Low Flow Shower

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	81.7677	0.7105	0.0173	104.6997
Unmitigated	117.8135	0.8888	0.0218	146.5343

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
City Park	0 / 24.5791	27.4100	1.1300e-003	2.3000e-004	27.5081
General Office Building	1.4892 / 0	3.0399	0.0486	1.1700e-003	4.6037
Medical Office Building	1.50672 / 0	3.0757	0.0492	1.1800e-003	4.6579
Single Family Housing	21.7598 / 0	44.4187	0.7106	0.0171	67.2681
User Defined Commercial	0 / 31.39	35.0053	1.4500e-003	3.0000e-004	35.1306
User Defined Recreational	2.38272 / 0	4.8639	0.0778	1.8700e-003	7.3659
Total		**117.8135**	**0.8888**	**0.0218**	**146.5343**

7.2 Water by Land Use

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
City Park	0 / 14.7475	16.4460	6.8000e-004	1.4000e-004	16.5048
General Office Building	1.19136 / 0	2.4319	0.0389	9.3000e-004	3.6830
Medical Office Building	1.20538 / 0	2.4606	0.0394	9.5000e-004	3.7263
Single Family Housing	17.4079 / 0	35.5349	0.5685	0.0137	53.8145
User Defined Commercial	0 / 18.834	21.0032	8.7000e-004	1.8000e-004	21.0784
User Defined Recreational	1.90618 / 0	3.8911	0.0623	1.4900e-003	5.8927
Total		**81.7677**	**0.7105**	**0.0173**	**104.6997**

8.0 Waste Detail

8.1 Mitigation Measures Waste

Institute Recycling and Composting Services

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	62.5436	3.6962	0.0000	154.9490
Unmitigated	125.0871	7.3924	0.0000	309.8980

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
City Park	4.47	0.9074	0.0536	0.0000	2.2480
General Office Building	39.52	8.0222	0.4741	0.0000	19.8747
Medical Office Building	464.4	94.2690	5.5711	0.0000	233.5475
Single Family Housing	107.83	21.8885	1.2936	0.0000	54.2279
User Defined Commercial	0	0.0000	0.0000	0.0000	0.0000
User Defined Recreational	0	0.0000	0.0000	0.0000	0.0000
Total		**125.0871**	**7.3924**	**0.0000**	**309.8980**

8.2 Waste by Land Use

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
City Park	2.235	0.4537	0.0268	0.0000	1.1240
General Office Building	19.76	4.0111	0.2371	0.0000	9.9373
Medical Office Building	232.2	47.1345	2.7856	0.0000	116.7737
Single Family Housing	53.915	10.9443	0.6468	0.0000	27.1139
User Defined Commercial	0	0.0000	0.0000	0.0000	0.0000
User Defined Recreational	0	0.0000	0.0000	0.0000	0.0000
Total		**62.5435**	**3.6962**	**0.0000**	**154.9490**

9.0 Operational Offroad

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

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

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

Boilers

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

User Defined Equipment

Equipment Type	Number

11.0 Vegetation

	Total CO2	CH4	N2O	CO2e
Category	MT			
Unmitigated	-1,085.0000	0.0000	0.0000	-1,085.0000

11.1 Vegetation Land Change

Vegetation Type

	Initial/Final	Total CO2	CH4	N2O	CO2e
	Acres	MT			
Cropland	218 / 43	-1,085.0000	0.0000	0.0000	-1,085.0000
Total		**-1,085.0000**	**0.0000**	**0.0000**	**-1,085.0000**

Tejon B Indirect

Kern-San Joaquin County, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Office Building	12.00	1000sqft	2.80	12,000.00	0
Medical Office Building	9.00	1000sqft	2.10	9,000.00	0
User Defined Commercial	30.00	User Defined Unit	30.00	1,306,800.00	0
City Park	2.50	Acre	2.50	108,900.00	0
User Defined Recreational	9.00	User Defined Unit	2.10	9,000.00	0
Single Family Housing	15.00	Dwelling Unit	16.00	36,000.00	43

1.2 Other Project Characteristics

Urbanization	Rural	**Wind Speed (m/s)**	2.7	**Precipitation Freq (Days)**	32
Climate Zone	3			**Operational Year**	2032
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	702.44	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - CalEEMod Input Table

Construction Phase - CalEEMod Input Tables

Grading - CalEEMod Inputs

Vehicle Trips - CalEEMod Inputs

Energy Use - CalEEMod Inputs

Water And Wastewater - CalEEMod Inputs

Land Use Change -

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	75.00	350.00
tblConstructionPhase	NumDays	1,110.00	400.00
tblConstructionPhase	NumDays	70.00	14.00
tblConstructionPhase	NumDays	110.00	48.00
tblConstructionPhase	NumDays	75.00	112.00
tblConstructionPhase	NumDays	40.00	35.00
tblEnergyUse	LightingElect	0.00	2.70
tblEnergyUse	LightingElect	0.00	2.70
tblEnergyUse	NT24E	0.00	4.16
tblEnergyUse	NT24E	0.00	4.16
tblEnergyUse	NT24NG	0.00	4.00
tblEnergyUse	NT24NG	0.00	4.00
tblEnergyUse	T24E	0.00	1.96
tblEnergyUse	T24E	0.00	1.96
tblEnergyUse	T24NG	0.00	17.00
tblEnergyUse	T24NG	0.00	17.00
tblGrading	AcresOfGrading	120.00	64.30

tblLandUse	LandUseSquareFeet	0.00	1,306,800.00
tblLandUse	LandUseSquareFeet	0.00	9,000.00
tblLandUse	LandUseSquareFeet	27,000.00	36,000.00
tblLandUse	LotAcreage	0.28	2.80
tblLandUse	LotAcreage	0.21	2.10
tblLandUse	LotAcreage	0.00	30.00
tblLandUse	LotAcreage	0.00	2.10
tblLandUse	LotAcreage	4.87	16.00
tblProjectCharacteristics	UrbanizationLevel	Urban	Rural
tblVehicleTrips	CC_TL	6.60	7.30
tblVehicleTrips	CC_TL	6.60	43.00
tblVehicleTrips	CC_TL	6.60	7.30
tblVehicleTrips	CC_TTP	0.00	28.00
tblVehicleTrips	CC_TTP	0.00	90.00
tblVehicleTrips	CNW_TL	6.60	7.30
tblVehicleTrips	CNW_TL	6.60	22.00
tblVehicleTrips	CNW_TL	6.60	7.30
tblVehicleTrips	CNW_TTP	0.00	13.00
tblVehicleTrips	CNW_TTP	0.00	5.00
tblVehicleTrips	CW_TL	14.70	9.50
tblVehicleTrips	CW_TL	14.70	22.00
tblVehicleTrips	CW_TL	14.70	9.50
tblVehicleTrips	CW_TTP	0.00	59.00
tblVehicleTrips	CW_TTP	0.00	5.00
tblVehicleTrips	DV_TP	30.00	0.00
tblVehicleTrips	PB_TP	10.00	0.00
tblVehicleTrips	PR_TP	60.00	100.00

tblVehicleTrips	PR_TP	0.00	100.00
tblVehicleTrips	PR_TP	0.00	100.00
tblVehicleTrips	ST_TR	22.75	19.60
tblVehicleTrips	ST_TR	2.46	0.00
tblVehicleTrips	ST_TR	8.96	4.29
tblVehicleTrips	ST_TR	9.91	11.00
tblVehicleTrips	ST_TR	0.00	2.00
tblVehicleTrips	ST_TR	0.00	4.55
tblVehicleTrips	SU_TR	16.74	19.60
tblVehicleTrips	SU_TR	1.05	0.00
tblVehicleTrips	SU_TR	1.55	4.29
tblVehicleTrips	SU_TR	8.62	11.00
tblVehicleTrips	SU_TR	0.00	2.00
tblVehicleTrips	SU_TR	0.00	4.55
tblVehicleTrips	WD_TR	1.89	7.80
tblVehicleTrips	WD_TR	11.03	8.10
tblVehicleTrips	WD_TR	36.13	17.40
tblVehicleTrips	WD_TR	9.52	12.13
tblVehicleTrips	WD_TR	0.00	2.00
tblVehicleTrips	WD_TR	0.00	14.41
tblWater	IndoorWaterUseRate	2,132,804.98	420,480.00
tblWater	IndoorWaterUseRate	1,129,324.84	315,360.00
tblWater	IndoorWaterUseRate	977,310.38	3,547,800.00
tblWater	IndoorWaterUseRate	0.00	315,360.00
tblWater	OutdoorWaterUseRate	2,978,703.37	1,181,688.00
tblWater	OutdoorWaterUseRate	1,307,203.05	63,072.00
tblWater	OutdoorWaterUseRate	215,109.49	47,304.00

tblWater	OutdoorWaterUseRate	616,130.46	0.00
tblWater	OutdoorWaterUseRate	0.00	21,900,000.00
tblWater	OutdoorWaterUseRate	0.00	47,304.00

2.0 Emissions Summary

2.1 Overall Construction

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2030	3.6577	3.0310	3.6412	0.0154	1.2401	0.0403	1.2804	0.4578	0.0400	0.4978	0.0000	1,401.2932	1,401.2932	0.0585	0.0000	1,402.7558
2031	6.8689	3.4068	4.2943	0.0176	0.9784	0.0424	1.0208	0.2636	0.0421	0.3056	0.0000	1,594.5537	1,594.5537	0.0665	0.0000	1,596.2153
Maximum	**6.8689**	**3.4068**	**4.2943**	**0.0176**	**1.2401**	**0.0424**	**1.2804**	**0.4578**	**0.0421**	**0.4978**	**0.0000**	**1,594.5537**	**1,594.5537**	**0.0665**	**0.0000**	**1,596.2153**

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2030	3.6577	3.0310	3.6412	0.0154	1.2401	0.0403	1.2804	0.4578	0.0400	0.4978	0.0000	1,401.2926	1,401.2926	0.0585	0.0000	1,402.7552
2031	6.8689	3.4068	4.2942	0.0176	0.9784	0.0424	1.0208	0.2636	0.0421	0.3056	0.0000	1,594.5532	1,594.5532	0.0665	0.0000	1,596.2148
Maximum	**6.8689**	**3.4068**	**4.2942**	**0.0176**	**1.2401**	**0.0424**	**1.2804**	**0.4578**	**0.0421**	**0.4978**	**0.0000**	**1,594.5532**	**1,594.5532**	**0.0665**	**0.0000**	**1,596.2148**

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

Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
1	1-1-2030	3-31-2030	0.6122	0.6122
2	4-1-2030	6-30-2030	0.8436	0.8436
3	7-1-2030	9-30-2030	2.4133	2.4133
4	10-1-2030	12-31-2030	2.8210	2.8210
5	1-1-2031	3-31-2031	3.0258	3.0258
6	4-1-2031	6-30-2031	2.9788	2.9788
7	7-1-2031	9-30-2031	2.8074	2.8074
		Highest	3.0258	3.0258

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	7.2550	0.0174	1.1347	1.6600e-003		0.1409	0.1409		0.1409	0.1409	12.4623	6.6812	19.1435	3.0000e-004	1.2200e-003	19.5142
Energy	0.1526	1.3860	1.1568	8.3200e-003		0.1054	0.1054		0.1054	0.1054	0.0000	5,310.6984	5,310.6984	0.1859	0.0602	5,333.2689
Mobile	0.1377	1.8373	1.4582	0.0119	0.8414	5.1300e-003	0.8465	0.2259	4.8100e-003	0.2307	0.0000	1,114.2077	1,114.2077	0.0578	0.0000	1,115.6519
Waste						0.0000	0.0000		0.0000	0.0000	25.6175	0.0000	25.6175	1.5140	0.0000	63.4662
Water						0.0000	0.0000		0.0000	0.0000	1.4591	33.8449	35.3040	0.1513	3.8300e-003	40.2260
Total	**7.5452**	**3.2407**	**3.7496**	**0.0219**	**0.8414**	**0.2514**	**1.0928**	**0.2259**	**0.2511**	**0.4770**	**39.5388**	**6,465.4322**	**6,504.9710**	**1.9091**	**0.0652**	**6,572.1271**

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	7.2550	0.0174	1.1347	1.6600e-003		0.1409	0.1409		0.1409	0.1409	12.4623	6.6812	19.1435	3.0000e-004	1.2200e-003	19.5142
Energy	0.1526	1.3860	1.1568	8.3200e-003		0.1054	0.1054		0.1054	0.1054	0.0000	5,310.6984	5,310.6984	0.1859	0.0602	5,333.2689
Mobile	0.1377	1.8373	1.4582	0.0119	0.8414	5.1300e-003	0.8465	0.2259	4.8100e-003	0.2307	0.0000	1,114.2077	1,114.2077	0.0578	0.0000	1,115.6519
Waste						0.0000	0.0000		0.0000	0.0000	25.6175	0.0000	25.6175	1.5140	0.0000	63.4662
Water						0.0000	0.0000		0.0000	0.0000	1.4591	33.8449	35.3040	0.1513	3.8300e-003	40.2260
Total	**7.5452**	**3.2407**	**3.7496**	**0.0219**	**0.8414**	**0.2514**	**1.0928**	**0.2259**	**0.2511**	**0.4770**	**39.5388**	**6,465.4322**	**6,504.9710**	**1.9091**	**0.0652**	**6,572.1271**

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

2.3 Vegetation

Vegetation

	CO2e
Category	MT
Vegetation Land Change	-192.2000
Total	**-192.2000**

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	1/1/2030	1/18/2030	5	14	
2	Site Preparation	Site Preparation	1/1/2030	2/18/2030	5	35	
3	Grading	Grading	2/19/2030	4/25/2030	5	48	
4	Building Construction	Building Construction	4/26/2030	11/6/2031	5	400	
5	Architectural Coating	Architectural Coating	7/21/2030	11/21/2031	5	350	
6	Paving	Paving	1/1/2031	6/5/2031	5	112	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 64.3

Acres of Paving: 0

Residential Indoor: 72,900; Residential Outdoor: 24,300; Non-Residential Indoor: 2,005,200; Non-Residential Outdoor: 668,400; Striped Parking Area: 0 (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	Excavators	3	8.00	158	0.38
Demolition	Rubber Tired Dozers	2	8.00	247	0.40
Site Preparation	Rubber Tired Dozers	3	8.00	247	0.40
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Grading	Excavators	2	8.00	158	0.38
Grading	Graders	1	8.00	187	0.41
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Grading	Scrapers	2	8.00	367	0.48
Grading	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Building Construction	Cranes	1	7.00	231	0.29
Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45
Paving	Pavers	2	8.00	130	0.42
Paving	Paving Equipment	2	8.00	132	0.36
Paving	Rollers	2	8.00	80	0.38
Architectural Coating	Air Compressors	1	6.00	78	0.48

Trips and VMT

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	6	15.00	0.00	0.00	16.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	7	18.00	0.00	0.00	16.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Grading	8	20.00	0.00	0.00	16.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	480.00	239.00	0.00	16.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	16.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	96.00	0.00	0.00	16.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

3.2 Demolition - 2030

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	0.0145	0.0684	0.1324	3.2000e-004		2.4600e-003	2.4600e-003		2.4600e-003	2.4600e-003	0.0000	27.8053	27.8053	1.1700e-003	0.0000	27.8346
Total	**0.0145**	**0.0684**	**0.1324**	**3.2000e-004**		**2.4600e-003**	**2.4600e-003**		**2.4600e-003**	**2.4600e-003**	**0.0000**	**27.8053**	**27.8053**	**1.1700e-003**	**0.0000**	**27.8346**

3.2 Demolition - 2030

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.0000e-004	1.5000e-004	1.8600e-003	1.0000e-005	1.3200e-003	1.0000e-005	1.3200e-003	3.5000e-004	1.0000e-005	3.5000e-004	0.0000	0.8457	0.8457	1.0000e-005	0.0000	0.8460
Total	**3.0000e-004**	**1.5000e-004**	**1.8600e-003**	**1.0000e-005**	**1.3200e-003**	**1.0000e-005**	**1.3200e-003**	**3.5000e-004**	**1.0000e-005**	**3.5000e-004**	**0.0000**	**0.8457**	**0.8457**	**1.0000e-005**	**0.0000**	**0.8460**

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	0.0145	0.0684	0.1324	3.2000e-004		2.4600e-003	2.4600e-003		2.4600e-003	2.4600e-003	0.0000	27.8053	27.8053	1.1700e-003	0.0000	27.8346
Total	**0.0145**	**0.0684**	**0.1324**	**3.2000e-004**		**2.4600e-003**	**2.4600e-003**		**2.4600e-003**	**2.4600e-003**	**0.0000**	**27.8053**	**27.8053**	**1.1700e-003**	**0.0000**	**27.8346**

3.2 Demolition - 2030

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.0000e-004	1.5000e-004	1.8600e-003	1.0000e-005	1.3200e-003	1.0000e-005	1.3200e-003	3.5000e-004	1.0000e-005	3.5000e-004	0.0000	0.8457	0.8457	1.0000e-005	0.0000	0.8460
Total	**3.0000e-004**	**1.5000e-004**	**1.8600e-003**	**1.0000e-005**	**1.3200e-003**	**1.0000e-005**	**1.3200e-003**	**3.5000e-004**	**1.0000e-005**	**3.5000e-004**	**0.0000**	**0.8457**	**0.8457**	**1.0000e-005**	**0.0000**	**0.8460**

3.3 Site Preparation - 2030

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.3162	0.0000	0.3162	0.1738	0.0000	0.1738	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0427	0.2392	0.2851	8.1000e-004		7.6400e-003	7.6400e-003		7.6400e-003	7.6400e-003	0.0000	70.0081	70.0081	3.4500e-003	0.0000	70.0944
Total	**0.0427**	**0.2392**	**0.2851**	**8.1000e-004**	**0.3162**	**7.6400e-003**	**0.3238**	**0.1738**	**7.6400e-003**	**0.1814**	**0.0000**	**70.0081**	**70.0081**	**3.4500e-003**	**0.0000**	**70.0944**

3.3 Site Preparation - 2030

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	8.9000e-004	4.6000e-004	5.5900e-003	3.0000e-005	3.9500e-003	2.0000e-005	3.9600e-003	1.0500e-003	2.0000e-005	1.0600e-003	0.0000	2.5372	2.5372	3.0000e-005	0.0000	2.5380
Total	**8.9000e-004**	**4.6000e-004**	**5.5900e-003**	**3.0000e-005**	**3.9500e-003**	**2.0000e-005**	**3.9600e-003**	**1.0500e-003**	**2.0000e-005**	**1.0600e-003**	**0.0000**	**2.5372**	**2.5372**	**3.0000e-005**	**0.0000**	**2.5380**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.3162	0.0000	0.3162	0.1738	0.0000	0.1738	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0427	0.2392	0.2851	8.1000e-004		7.6400e-003	7.6400e-003		7.6400e-003	7.6400e-003	0.0000	70.0080	70.0080	3.4500e-003	0.0000	70.0944
Total	**0.0427**	**0.2392**	**0.2851**	**8.1000e-004**	**0.3162**	**7.6400e-003**	**0.3238**	**0.1738**	**7.6400e-003**	**0.1814**	**0.0000**	**70.0080**	**70.0080**	**3.4500e-003**	**0.0000**	**70.0944**

3.3 Site Preparation - 2030

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	8.9000e-004	4.6000e-004	5.5900e-003	3.0000e-005	3.9500e-003	2.0000e-005	3.9600e-003	1.0500e-003	2.0000e-005	1.0600e-003	0.0000	2.5372	2.5372	3.0000e-005	0.0000	2.5380
Total	**8.9000e-004**	**4.6000e-004**	**5.5900e-003**	**3.0000e-005**	**3.9500e-003**	**2.0000e-005**	**3.9600e-003**	**1.0500e-003**	**2.0000e-005**	**1.0600e-003**	**0.0000**	**2.5372**	**2.5372**	**3.0000e-005**	**0.0000**	**2.5380**

3.4 Grading - 2030

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.1786	0.0000	0.1786	0.0831	0.0000	0.0831	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0787	0.3323	0.5526	1.6800e-003		0.0117	0.0117		0.0117	0.0117	0.0000	157.0469	157.0469	6.3500e-003	0.0000	157.2056
Total	**0.0787**	**0.3323**	**0.5526**	**1.6800e-003**	**0.1786**	**0.0117**	**0.1903**	**0.0831**	**0.0117**	**0.0948**	**0.0000**	**157.0469**	**157.0469**	**6.3500e-003**	**0.0000**	**157.2056**

3.4 Grading - 2030

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.3600e-003	7.0000e-004	8.5300e-003	4.0000e-005	6.0100e-003	3.0000e-005	6.0400e-003	1.6000e-003	2.0000e-005	1.6200e-003	0.0000	3.8662	3.8662	5.0000e-005	0.0000	3.8675
Total	**1.3600e-003**	**7.0000e-004**	**8.5300e-003**	**4.0000e-005**	**6.0100e-003**	**3.0000e-005**	**6.0400e-003**	**1.6000e-003**	**2.0000e-005**	**1.6200e-003**	**0.0000**	**3.8662**	**3.8662**	**5.0000e-005**	**0.0000**	**3.8675**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.1786	0.0000	0.1786	0.0831	0.0000	0.0831	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0787	0.3323	0.5526	1.6800e-003		0.0117	0.0117		0.0117	0.0117	0.0000	157.0467	157.0467	6.3500e-003	0.0000	157.2054
Total	**0.0787**	**0.3323**	**0.5526**	**1.6800e-003**	**0.1786**	**0.0117**	**0.1903**	**0.0831**	**0.0117**	**0.0948**	**0.0000**	**157.0467**	**157.0467**	**6.3500e-003**	**0.0000**	**157.2054**

3.4 Grading - 2030

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.3600e-003	7.0000e-004	8.5300e-003	4.0000e-005	6.0100e-003	3.0000e-005	6.0400e-003	1.6000e-003	2.0000e-005	1.6200e-003	0.0000	3.8662	3.8662	5.0000e-005	0.0000	3.8675
Total	**1.3600e-003**	**7.0000e-004**	**8.5300e-003**	**4.0000e-005**	**6.0100e-003**	**3.0000e-005**	**6.0400e-003**	**1.6000e-003**	**2.0000e-005**	**1.6200e-003**	**0.0000**	**3.8662**	**3.8662**	**5.0000e-005**	**0.0000**	**3.8675**

3.5 Building Construction - 2030

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	0.1165	0.7062	1.4380	2.7600e-003		0.0132	0.0132		0.0132	0.0132	0.0000	233.9463	233.9463	9.3900e-003	0.0000	234.1810
Total	**0.1165**	**0.7062**	**1.4380**	**2.7600e-003**		**0.0132**	**0.0132**		**0.0132**	**0.0132**	**0.0000**	**233.9463**	**233.9463**	**9.3900e-003**	**0.0000**	**234.1810**

3.5 Building Construction - 2030

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0381	1.5627	0.2535	5.2800e-003	0.1284	1.4100e-003	0.1299	0.0371	1.3500e-003	0.0384	0.0000	500.9753	500.9753	0.0324	0.0000	501.7853
Worker	0.1212	0.0625	0.7588	3.8000e-003	0.5353	2.3400e-003	0.5376	0.1422	2.1500e-003	0.1443	0.0000	344.0912	344.0912	4.4600e-003	0.0000	344.2028
Total	**0.1593**	**1.6253**	**1.0123**	**9.0800e-003**	**0.6637**	**3.7500e-003**	**0.6675**	**0.1792**	**3.5000e-003**	**0.1827**	**0.0000**	**845.0665**	**845.0665**	**0.0369**	**0.0000**	**845.9880**

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	0.1165	0.7062	1.4380	2.7600e-003		0.0132	0.0132		0.0132	0.0132	0.0000	233.9460	233.9460	9.3900e-003	0.0000	234.1807
Total	**0.1165**	**0.7062**	**1.4380**	**2.7600e-003**		**0.0132**	**0.0132**		**0.0132**	**0.0132**	**0.0000**	**233.9460**	**233.9460**	**9.3900e-003**	**0.0000**	**234.1807**

3.5 Building Construction - 2030

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0381	1.5627	0.2535	5.2800e-003	0.1284	1.4100e-003	0.1299	0.0371	1.3500e-003	0.0384	0.0000	500.9753	500.9753	0.0324	0.0000	501.7853
Worker	0.1212	0.0625	0.7588	3.8000e-003	0.5353	2.3400e-003	0.5376	0.1422	2.1500e-003	0.1443	0.0000	344.0912	344.0912	4.4600e-003	0.0000	344.2028
Total	**0.1593**	**1.6253**	**1.0123**	**9.0800e-003**	**0.6637**	**3.7500e-003**	**0.6675**	**0.1792**	**3.5000e-003**	**0.1827**	**0.0000**	**845.0665**	**845.0665**	**0.0369**	**0.0000**	**845.9880**

3.5 Building Construction - 2031

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	0.1453	0.8807	1.7934	3.4400e-003		0.0164	0.0164		0.0164	0.0164	0.0000	291.7757	291.7757	0.0117	0.0000	292.0684
Total	**0.1453**	**0.8807**	**1.7934**	**3.4400e-003**		**0.0164**	**0.0164**		**0.0164**	**0.0164**	**0.0000**	**291.7757**	**291.7757**	**0.0117**	**0.0000**	**292.0684**

3.5 Building Construction - 2031

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0471	1.9397	0.3111	6.5700e-003	0.1602	1.7400e-003	0.1619	0.0463	1.6600e-003	0.0479	0.0000	623.5106	623.5106	0.0410	0.0000	624.5347
Worker	0.1400	0.0717	0.8916	4.6300e-003	0.6676	2.7200e-003	0.6703	0.1773	2.5000e-003	0.1798	0.0000	419.8213	419.8213	5.1100e-003	0.0000	419.9491
Total	**0.1871**	**2.0114**	**1.2026**	**0.0112**	**0.8278**	**4.4600e-003**	**0.8322**	**0.2235**	**4.1600e-003**	**0.2277**	**0.0000**	**1,043.3319**	**1,043.3319**	**0.0461**	**0.0000**	**1,044.4837**

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	0.1453	0.8807	1.7934	3.4400e-003		0.0164	0.0164		0.0164	0.0164	0.0000	291.7754	291.7754	0.0117	0.0000	292.0680
Total	**0.1453**	**0.8807**	**1.7934**	**3.4400e-003**		**0.0164**	**0.0164**		**0.0164**	**0.0164**	**0.0000**	**291.7754**	**291.7754**	**0.0117**	**0.0000**	**292.0680**

3.5 Building Construction - 2031

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0471	1.9397	0.3111	6.5700e-003	0.1602	1.7400e-003	0.1619	0.0463	1.6600e-003	0.0479	0.0000	623.5106	623.5106	0.0410	0.0000	624.5347
Worker	0.1400	0.0717	0.8916	4.6300e-003	0.6676	2.7200e-003	0.6703	0.1773	2.5000e-003	0.1798	0.0000	419.8213	419.8213	5.1100e-003	0.0000	419.9491
Total	**0.1871**	**2.0114**	**1.2026**	**0.0112**	**0.8278**	**4.4600e-003**	**0.8322**	**0.2235**	**4.1600e-003**	**0.2277**	**0.0000**	**1,043.3319**	**1,043.3319**	**0.0461**	**0.0000**	**1,044.4837**

3.6 Architectural Coating - 2030

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	3.2198					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	7.6500e-003	0.0501	0.1052	1.7000e-004		1.1900e-003	1.1900e-003		1.1900e-003	1.1900e-003	0.0000	14.9365	14.9365	6.0000e-004	0.0000	14.9517
Total	**3.2275**	**0.0501**	**0.1052**	**1.7000e-004**		**1.1900e-003**	**1.1900e-003**		**1.1900e-003**	**1.1900e-003**	**0.0000**	**14.9365**	**14.9365**	**6.0000e-004**	**0.0000**	**14.9517**

3.6 Architectural Coating - 2030

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0159	8.2200e-003	0.0998	5.0000e-004	0.0704	3.1000e-004	0.0707	0.0187	2.8000e-004	0.0190	0.0000	45.2345	45.2345	5.9000e-004	0.0000	45.2491
Total	**0.0159**	**8.2200e-003**	**0.0998**	**5.0000e-004**	**0.0704**	**3.1000e-004**	**0.0707**	**0.0187**	**2.8000e-004**	**0.0190**	**0.0000**	**45.2345**	**45.2345**	**5.9000e-004**	**0.0000**	**45.2491**

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	3.2198					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	7.6500e-003	0.0501	0.1052	1.7000e-004		1.1900e-003	1.1900e-003		1.1900e-003	1.1900e-003	0.0000	14.9365	14.9365	6.0000e-004	0.0000	14.9516
Total	**3.2275**	**0.0501**	**0.1052**	**1.7000e-004**		**1.1900e-003**	**1.1900e-003**		**1.1900e-003**	**1.1900e-003**	**0.0000**	**14.9365**	**14.9365**	**6.0000e-004**	**0.0000**	**14.9516**

3.6 Architectural Coating - 2030

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0159	8.2200e-003	0.0998	5.0000e-004	0.0704	3.1000e-004	0.0707	0.0187	2.8000e-004	0.0190	0.0000	45.2345	45.2345	5.9000e-004	0.0000	45.2491
Total	**0.0159**	**8.2200e-003**	**0.0998**	**5.0000e-004**	**0.0704**	**3.1000e-004**	**0.0707**	**0.0187**	**2.8000e-004**	**0.0190**	**0.0000**	**45.2345**	**45.2345**	**5.9000e-004**	**0.0000**	**45.2491**

3.6 Architectural Coating - 2031

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	6.4122					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0152	0.0998	0.2094	3.5000e-004		2.3700e-003	2.3700e-003		2.3700e-003	2.3700e-003	0.0000	29.7454	29.7454	1.2000e-003	0.0000	29.7755
Total	**6.4274**	**0.0998**	**0.2094**	**3.5000e-004**		**2.3700e-003**	**2.3700e-003**		**2.3700e-003**	**2.3700e-003**	**0.0000**	**29.7454**	**29.7454**	**1.2000e-003**	**0.0000**	**29.7755**

3.6 Architectural Coating - 2031

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0294	0.0151	0.1872	9.7000e-004	0.1401	5.7000e-004	0.1407	0.0372	5.3000e-004	0.0377	0.0000	88.1246	88.1246	1.0700e-003	0.0000	88.1515
Total	**0.0294**	**0.0151**	**0.1872**	**9.7000e-004**	**0.1401**	**5.7000e-004**	**0.1407**	**0.0372**	**5.3000e-004**	**0.0377**	**0.0000**	**88.1246**	**88.1246**	**1.0700e-003**	**0.0000**	**88.1515**

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	6.4122					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0152	0.0998	0.2094	3.5000e-004		2.3700e-003	2.3700e-003		2.3700e-003	2.3700e-003	0.0000	29.7454	29.7454	1.2000e-003	0.0000	29.7755
Total	**6.4274**	**0.0998**	**0.2094**	**3.5000e-004**		**2.3700e-003**	**2.3700e-003**		**2.3700e-003**	**2.3700e-003**	**0.0000**	**29.7454**	**29.7454**	**1.2000e-003**	**0.0000**	**29.7755**

3.6 Architectural Coating - 2031

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0294	0.0151	0.1872	9.7000e-004	0.1401	5.7000e-004	0.1407	0.0372	5.3000e-004	0.0377	0.0000	88.1246	88.1246	1.0700e-003	0.0000	88.1515
Total	**0.0294**	**0.0151**	**0.1872**	**9.7000e-004**	**0.1401**	**5.7000e-004**	**0.1407**	**0.0372**	**5.3000e-004**	**0.0377**	**0.0000**	**88.1246**	**88.1246**	**1.0700e-003**	**0.0000**	**88.1515**

3.7 Paving - 2031

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	0.0775	0.3987	0.8876	1.5700e-003		0.0185	0.0185		0.0185	0.0185	0.0000	134.9573	134.9573	6.3300e-003	0.0000	135.1155
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0775**	**0.3987**	**0.8876**	**1.5700e-003**		**0.0185**	**0.0185**		**0.0185**	**0.0185**	**0.0000**	**134.9573**	**134.9573**	**6.3300e-003**	**0.0000**	**135.1155**

3.7 Paving - 2031

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.2100e-003	1.1300e-003	0.0141	7.0000e-005	0.0105	4.0000e-005	0.0106	2.8000e-003	4.0000e-005	2.8300e-003	0.0000	6.6188	6.6188	8.0000e-005	0.0000	6.6208
Total	**2.2100e-003**	**1.1300e-003**	**0.0141**	**7.0000e-005**	**0.0105**	**4.0000e-005**	**0.0106**	**2.8000e-003**	**4.0000e-005**	**2.8300e-003**	**0.0000**	**6.6188**	**6.6188**	**8.0000e-005**	**0.0000**	**6.6208**

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	0.0775	0.3987	0.8876	1.5700e-003		0.0185	0.0185		0.0185	0.0185	0.0000	134.9571	134.9571	6.3300e-003	0.0000	135.1153
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0775**	**0.3987**	**0.8876**	**1.5700e-003**		**0.0185**	**0.0185**		**0.0185**	**0.0185**	**0.0000**	**134.9571**	**134.9571**	**6.3300e-003**	**0.0000**	**135.1153**

3.7 Paving - 2031

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.2100e-003	1.1300e-003	0.0141	7.0000e-005	0.0105	4.0000e-005	0.0106	2.8000e-003	4.0000e-005	2.8300e-003	0.0000	6.6188	6.6188	8.0000e-005	0.0000	6.6208
Total	**2.2100e-003**	**1.1300e-003**	**0.0141**	**7.0000e-005**	**0.0105**	**4.0000e-005**	**0.0106**	**2.8000e-003**	**4.0000e-005**	**2.8300e-003**	**0.0000**	**6.6188**	**6.6188**	**8.0000e-005**	**0.0000**	**6.6208**

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	0.1377	1.8373	1.4582	0.0119	0.8414	5.1300e-003	0.8465	0.2259	4.8100e-003	0.2307	0.0000	1,114.2077	1,114.2077	0.0578	0.0000	1,115.6519
Unmitigated	0.1377	1.8373	1.4582	0.0119	0.8414	5.1300e-003	0.8465	0.2259	4.8100e-003	0.2307	0.0000	1,114.2077	1,114.2077	0.0578	0.0000	1,115.6519

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
City Park	19.50	49.00	49.00	68,878	68,878
General Office Building	97.20	0.00	0.00	191,680	191,680
Medical Office Building	156.60	38.61	38.61	355,669	355,669
Single Family Housing	181.95	165.00	165.00	680,954	680,954
User Defined Commercial	60.00	60.00	60.00	608,899	608,899
User Defined Recreational	129.69	40.95	40.95	281,418	281,418
Total	644.94	353.56	353.56	2,187,498	2,187,498

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
City Park	14.70	6.60	6.60	33.00	48.00	19.00	66	28	6
General Office Building	14.70	6.60	6.60	33.00	48.00	19.00	77	19	4
Medical Office Building	9.50	7.30	7.30	29.60	51.40	19.00	100	0	0
Single Family Housing	16.80	7.10	7.90	46.40	16.40	37.20	86	11	3
User Defined Commercial	22.00	43.00	22.00	59.00	28.00	13.00	100	0	0
User Defined Recreational	9.50	7.30	7.30	5.00	90.00	5.00	100	0	0

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
City Park	0.512938	0.029516	0.180921	0.095838	0.009977	0.003884	0.016297	0.140952	0.001553	0.001363	0.005460	0.000802	0.000501
General Office Building	0.512938	0.029516	0.180921	0.095838	0.009977	0.003884	0.016297	0.140952	0.001553	0.001363	0.005460	0.000802	0.000501
Medical Office Building	0.512938	0.029516	0.180921	0.095838	0.009977	0.003884	0.016297	0.140952	0.001553	0.001363	0.005460	0.000802	0.000501
Single Family Housing	0.512938	0.029516	0.180921	0.095838	0.009977	0.003884	0.016297	0.140952	0.001553	0.001363	0.005460	0.000802	0.000501
User Defined Commercial	0.512938	0.029516	0.180921	0.095838	0.009977	0.003884	0.016297	0.140952	0.001553	0.001363	0.005460	0.000802	0.000501
User Defined Recreational	0.512938	0.029516	0.180921	0.095838	0.009977	0.003884	0.016297	0.140952	0.001553	0.001363	0.005460	0.000802	0.000501

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

Tejon B Indirect - Kern-San Joaquin County, Annual

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Electricity Mitigated						0.0000	0.0000		0.0000	0.0000	0.0000	3,800.6078	3,800.6078	0.1569	0.0325	3,814.2046
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	3,800.6078	3,800.6078	0.1569	0.0325	3,814.2046
NaturalGas Mitigated	0.1526	1.3860	1.1568	8.3200e-003		0.1054	0.1054		0.1054	0.1054	0.0000	1,510.0906	1,510.0906	0.0289	0.0277	1,519.0643
NaturalGas Unmitigated	0.1526	1.3860	1.1568	8.3200e-003		0.1054	0.1054		0.1054	0.1054	0.0000	1,510.0906	1,510.0906	0.0289	0.0277	1,519.0643

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					
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
General Office Building	156600	8.4000e-004	7.6800e-003	6.4500e-003	5.0000e-005		5.8000e-004	5.8000e-004		5.8000e-004	5.8000e-004	0.0000	8.3568	8.3568	1.6000e-004	1.5000e-004	8.4064
Medical Office Building	117450	6.3000e-004	5.7600e-003	4.8400e-003	3.0000e-005		4.4000e-004	4.4000e-004		4.4000e-004	4.4000e-004	0.0000	6.2676	6.2676	1.2000e-004	1.1000e-004	6.3048
Single Family Housing	392179	2.1100e-003	0.0181	7.6900e-003	1.2000e-004		1.4600e-003	1.4600e-003		1.4600e-003	1.4600e-003	0.0000	20.9281	20.9281	4.0000e-004	3.8000e-004	21.0525
User Defined Commercial	2.74428e+007	0.1480	1.3452	1.1300	8.0700e-003		0.1022	0.1022		0.1022	0.1022	0.0000	1,464.4523	1,464.4523	0.0281	0.0269	1,473.1548
User Defined Recreational	189000	1.0200e-003	9.2600e-003	7.7800e-003	6.0000e-005		7.0000e-004	7.0000e-004		7.0000e-004	7.0000e-004	0.0000	10.0858	10.0858	1.9000e-004	1.8000e-004	10.1457
Total		**0.1526**	**1.3860**	**1.1568**	**8.3300e-003**		**0.1054**	**0.1054**		**0.1054**	**0.1054**	**0.0000**	**1,510.0906**	**1,510.0906**	**0.0289**	**0.0277**	**1,519.0643**

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					
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
General Office Building	156600	8.4000e-004	7.6800e-003	6.4500e-003	5.0000e-005		5.8000e-004	5.8000e-004		5.8000e-004	5.8000e-004	0.0000	8.3568	8.3568	1.6000e-004	1.5000e-004	8.4064
Medical Office Building	117450	6.3000e-004	5.7600e-003	4.8400e-003	3.0000e-005		4.4000e-004	4.4000e-004		4.4000e-004	4.4000e-004	0.0000	6.2676	6.2676	1.2000e-004	1.1000e-004	6.3048
Single Family Housing	392179	2.1100e-003	0.0181	7.6900e-003	1.2000e-004		1.4600e-003	1.4600e-003		1.4600e-003	1.4600e-003	0.0000	20.9281	20.9281	4.0000e-004	3.8000e-004	21.0525
User Defined Commercial	2.74428e+007	0.1480	1.3452	1.1300	8.0700e-003		0.1022	0.1022		0.1022	0.1022	0.0000	1,464.4523	1,464.4523	0.0281	0.0269	1,473.1548
User Defined Recreational	189000	1.0200e-003	9.2600e-003	7.7800e-003	6.0000e-005		7.0000e-004	7.0000e-004		7.0000e-004	7.0000e-004	0.0000	10.0858	10.0858	1.9000e-004	1.8000e-004	10.1457
Total		**0.1526**	**1.3860**	**1.1568**	**8.3300e-003**		**0.1054**	**0.1054**		**0.1054**	**0.1054**	**0.0000**	**1,510.0906**	**1,510.0906**	**0.0289**	**0.0277**	**1,519.0643**

5.3 Energy by Land Use - Electricity

Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
City Park	0	0.0000	0.0000	0.0000	0.0000
General Office Building	109440	34.8699	1.4400e-003	3.0000e-004	34.9947
Medical Office Building	82080	26.1525	1.0800e-003	2.2000e-004	26.2460
Single Family Housing	131411	41.8704	1.7300e-003	3.6000e-004	42.0202
User Defined Commercial	1.1526e+007	3,672.4229	0.1516	0.0314	3,685.5611
User Defined Recreational	79380	25.2922	1.0400e-003	2.2000e-004	25.3827
Total		**3,800.6078**	**0.1569**	**0.0325**	**3,814.2046**

5.3 Energy by Land Use - Electricity

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
City Park	0	0.0000	0.0000	0.0000	0.0000
General Office Building	109440	34.8699	1.4400e-003	3.0000e-004	34.9947
Medical Office Building	82080	26.1525	1.0800e-003	2.2000e-004	26.2460
Single Family Housing	131411	41.8704	1.7300e-003	3.6000e-004	42.0202
User Defined Commercial	1.1526e+007	3,672.4229	0.1516	0.0314	3,685.5611
User Defined Recreational	79380	25.2922	1.0400e-003	2.2000e-004	25.3827
Total		**3,800.6078**	**0.1569**	**0.0325**	**3,814.2046**

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	7.2550	0.0174	1.1347	1.6600e-003		0.1409	0.1409		0.1409	0.1409	12.4623	6.6812	19.1435	3.0000e-004	1.2200e-003	19.5142
Unmitigated	7.2550	0.0174	1.1347	1.6600e-003		0.1409	0.1409		0.1409	0.1409	12.4623	6.6812	19.1435	3.0000e-004	1.2200e-003	19.5142

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	0.9632					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	5.3625					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	0.9259	0.0161	1.0230	1.6500e-003		0.1403	0.1403		0.1403	0.1403	12.4623	6.4981	18.9604	1.2000e-004	1.2200e-003	19.3267
Landscaping	3.3700e-003	1.2900e-003	0.1117	1.0000e-005		6.2000e-004	6.2000e-004		6.2000e-004	6.2000e-004	0.0000	0.1831	0.1831	1.8000e-004	0.0000	0.1875
Total	**7.2550**	**0.0174**	**1.1346**	**1.6600e-003**		**0.1409**	**0.1409**		**0.1409**	**0.1409**	**12.4623**	**6.6812**	**19.1435**	**3.0000e-004**	**1.2200e-003**	**19.5142**

6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.9632					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	5.3625					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	0.9259	0.0161	1.0230	1.6500e-003		0.1403	0.1403		0.1403	0.1403	12.4623	6.4981	18.9604	1.2000e-004	1.2200e-003	19.3267
Landscaping	3.3700e-003	1.2900e-003	0.1117	1.0000e-005		6.2000e-004	6.2000e-004		6.2000e-004	6.2000e-004	0.0000	0.1831	0.1831	1.8000e-004	0.0000	0.1875
Total	**7.2550**	**0.0174**	**1.1346**	**1.6600e-003**		**0.1409**	**0.1409**		**0.1409**	**0.1409**	**12.4623**	**6.6812**	**19.1435**	**3.0000e-004**	**1.2200e-003**	**19.5142**

7.0 Water Detail

7.1 Mitigation Measures Water

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	35.3040	0.1513	3.8300e-003	40.2260
Unmitigated	35.3040	0.1513	3.8300e-003	40.2260

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
City Park	0 / 1.18169	1.3178	5.0000e-005	1.0000e-005	1.3225
General Office Building	0.42048 / 0.063072	0.9287	0.0137	3.3000e-004	1.3705
Medical Office Building	0.31536 / 0.047304	0.6965	0.0103	2.5000e-004	1.0278
Single Family Housing	3.5478 / 0	7.2422	0.1159	2.7800e-003	10.9676
User Defined Commercial	0 / 21.9	24.4223	1.0100e-003	2.1000e-004	24.5097
User Defined Recreational	0.31536 / 0.047304	0.6965	0.0103	2.5000e-004	1.0278
Total		**35.3040**	**0.1513**	**3.8300e-003**	**40.2260**

7.2 Water by Land Use

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
City Park	0 / 1.18169	1.3178	5.0000e-005	1.0000e-005	1.3225
General Office Building	0.42048 / 0.063072	0.9287	0.0137	3.3000e-004	1.3705
Medical Office Building	0.31536 / 0.047304	0.6965	0.0103	2.5000e-004	1.0278
Single Family Housing	3.5478 / 0	7.2422	0.1159	2.7800e-003	10.9676
User Defined Commercial	0 / 21.9	24.4223	1.0100e-003	2.1000e-004	24.5097
User Defined Recreational	0.31536 / 0.047304	0.6965	0.0103	2.5000e-004	1.0278
Total		**35.3040**	**0.1513**	**3.8300e-003**	**40.2260**

8.0 Waste Detail

8.1 Mitigation Measures Waste

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	25.6175	1.5140	0.0000	63.4662
Unmitigated	25.6175	1.5140	0.0000	63.4662

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
City Park	0.21	0.0426	2.5200e-003	0.0000	0.1056
General Office Building	11.16	2.2654	0.1339	0.0000	5.6124
Medical Office Building	97.2	19.7307	1.1661	0.0000	48.8820
Single Family Housing	17.63	3.5787	0.2115	0.0000	8.8662
User Defined Commercial	0	0.0000	0.0000	0.0000	0.0000
User Defined Recreational	0	0.0000	0.0000	0.0000	0.0000
Total		**25.6175**	**1.5140**	**0.0000**	**63.4662**

8.2 Waste by Land Use

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
City Park	0.21	0.0426	2.5200e-003	0.0000	0.1056
General Office Building	11.16	2.2654	0.1339	0.0000	5.6124
Medical Office Building	97.2	19.7307	1.1661	0.0000	48.8820
Single Family Housing	17.63	3.5787	0.2115	0.0000	8.8662
User Defined Commercial	0	0.0000	0.0000	0.0000	0.0000
User Defined Recreational	0	0.0000	0.0000	0.0000	0.0000
Total		**25.6175**	**1.5140**	**0.0000**	**63.4662**

9.0 Operational Offroad

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

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

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

Boilers

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

User Defined Equipment

Equipment Type	Number

11.0 Vegetation

	Total CO2	CH4	N2O	CO2e
Category	MT			
Unmitigated	-192.2000	0.0000	0.0000	-192.2000

11.1 Vegetation Land Change

Vegetation Type

	Initial/Final	Total CO2	CH4	N2O	CO2e
	Acres	MT			
Cropland	61 / 30	-192.2000	0.0000	0.0000	-192.2000
Total		**-192.2000**	**0.0000**	**0.0000**	**-192.2000**

APPENDIX N

DRAFT GENERAL CONFORMITY DETERMINATION

DRAFT GENERAL CONFORMITY DETERMINATION FOR THE TEJON INDIAN TRIBE TRUST ACQUISTION AND CASINO PROJECT

January 2020

TEJON INDIAN TRIBE ACQUISITION AND CASINO PROJECT DRAFT GENERAL CONFORMITY DETERMINATION

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1.0 INTRODUCTION

A Draft Environmental Impact Statement (EIS) has been prepared pursuant to the National Environmental Policy Act (NEPA) to assess the environmental consequences of the U.S. Bureau of Indian Affairs (BIA) taking land located in Kern County, California into federal trust on behalf of the Tejon Indian Tribe (Tribe) to conduct gaming (Federal Action). The effects of alternatives identified below are analyzed within the EIS.

- Alternative A1 – Casino Resort Alternative (Proposed Project)
- Alternative A2 – Reduced Casino Resort Alternative
- Alternative A3 – Organic Farming Alternative
- Alternative B – Casino Resort on the Maricopa Highway Site
- Alternative C – No Action Alternative

This General Conformity Determination has been prepared for Alternative A1, which proposes the greatest amount of development and thus has the highest potential to effect air quality.

2.0 GENERAL CONFORMITY – REGULATORY BACKGROUND

The United States Environmental Protection Agency (USEPA) promulgated the General Conformity Rule on November 30, 1993, to implement the conformity provision of Title I, Section 176(c)(1) of the federal Clean Air Act (CAA), which requires that the federal government not engage, support or provide financial assistance for licensing or permitting, or approving any activity not conforming to an approved CAA implementation plan for compliance with the National Ambient Air Quality Standards (NAAQS). NAAQS have been developed for carbon monoxide (CO), lead (Pb), course and fine particulate matter (PM_{10} or $PM_{2.5}$, respectively), sulfur oxides (SOx), and nitrogen dioxide (NO_2), ozone (O_3) and its precursors, oxides of nitrogen (NOx) and reactive organic gasses (ROGs). CAA conformity is an issue that may be addressed during the NEPA process, and USEPA recommends that the conformity process be coupled with NEPA analysis.

2.1 GENERAL CONFORMITY PROCESS

The general conformity process will be addressed in two phases. The first phase is the conformity applicability process, which evaluates whether the conformity regulations apply to the federal action (i.e., whether a determination is warranted). The second phase is the conformity determination process, which demonstrates how a federal action conforms to the applicable State Implementation Plan (SIP).

Phase One

The purpose of a conformity review is to evaluate whether the general conformity determination requirements apply to a federal action under 40 Code of Federal Regulations (CFR) 93.153. There are

four steps in the review process. The first three steps can be performed in any order; the four steps are listed below:

1. Determine whether the proposed action causes emissions of criteria pollutants.
2. Determine whether the emissions of a criteria pollutant or its precursor (i.e., NOx and ROGs for ozone) would occur in a nonattainment or maintenance area for that pollutant.
3. Determine whether the federal action or activities to be conducted under the federal action are exempt from the conformity requirement per 40 CFR 93.153(c)(2).
4. Estimate the total emissions of the pollutants of concern from the federal action and compare the estimates to the *de minimis* thresholds of 40 CFR 93.153(b)(1) and (2) and to the nonattainment or maintenance area's emissions inventory for each criteria pollutant of concern.

Phase Two

The purpose of the conformity determination, if needed, is to show if the Proposed Project conforms to the SIP. Conformity can be shown for ozone (precursors: NOx and ROG) by meeting one or more of following four requirements:

1. The applicable SIP specifically includes an allowance for emissions of the Proposed Project, 40 CFR 93.158(a)(1).
2. Offset emission credits are purchased for the total direct and indirect emissions, which fully offsets within the same nonattainment or maintenance area (or nearby area of equal or higher classification provided the emissions from that area contribute to the violations or have contributed in the past, in the area of the federal action) so that there is no net increase in emissions, 40 CFR 93.158(a)(2).
3. NOx and ROG emissions from the Proposed Project coupled with the current emissions in the nonattainment area would not exceed the emissions budget in the SIP, 40 CFR 93.158(a)(5)(i)(A).
4. The project proponent can request that the SIP be changed by the State Governor or the State Governor's designee to include the emissions budget of the federal action, 40 CFR 93.158(a)(5)(i)(B).

Conformity can be shown for particulate matter 2.5 microns in size ($PM_{2.5}$) by one of following two options:

1. The applicable SIP specifically includes an allowance for emissions of the Proposed Project, 40 CFR 93.158(a)(1).
2. Modeling of directly emitted $PM_{2.5}$ shows that the action does not cause or contribute to any new violation of any standard in any area or increase the frequency or severity of any existing violation of any standard in any area, 40 CFR 93.159(a)(4)(i) and (b).

Even if a project is shown to conform to the SIP by one of the above methods, the project may not be determined to conform to the applicable SIP unless the total of the direct and indirect emissions of the federal action is in compliance or consistent with all relevant requirements and milestones contained in the applicable SIP, including but not limited to the use of baseline emissions that reflect the historical activity levels that occurred in the geographic area, reasonable further progress schedules, assumptions specified in the attainment or maintenance demonstration, prohibitions, numerical emission limits, and work practice requirements (40 CFR 93.158[c]).

3.0 APPLICABILITY OF PROPOSED PROJECT

3.1 EMISSIONS

The Proposed Project's emissions are evaluated in two phases: construction and operation. The two phases would not overlap. Criteria pollutants will be emitted during both phases. The pollutants of concern are $PM_{2.5,}$ and the ozone precursors ROG and NOx. Construction emissions include ROG and NOx, which are generally a product of combustion, in this case from heavy equipment. $PM_{2.5}$ is generated during site grading and though diesel exhaust. Operational emissions are mainly emitted from customer and employee vehicles driving to and from the casino/hotel and consist of ROG, NOx, and $PM_{2.5}$. Area emissions and stationary sources are typically minor compared to mobile emissions during operations of facilities such as casinos and hotels. The stationary source emissions attributable to the Proposed Project do not meet the thresholds requiring a Tribal Minor New Source Review (TMNSR), therefore stationary source emissions are not considered exempt from conformity requirements. The EIS gives a detailed account of both operational and construction emissions.

As discussed in Section 3.14 of the EIS, it is reasonably foreseeable that the revenue generated by the Proposed Project could result in potential future development on the project site. As such, emissions from construction and operation of the potential future development will be evaluated as indirect emissions from the Proposed Project, in addition to the Proposed Project's direct emissions.

3.2 ATTAINMENT/NONATTAINMENT AREA

The Proposed Project would be constructed within the boundaries of San Joaquin Valley Air Basin (SJVAB), which is currently in attainment for PM_{10}, CO, NO_2, and SO_2. SJVAB is currently designated serious non-attainment for $PM_{2.5}$ and extreme nonattainment for 8-hour ozone (ROGs and NOx) (SJVAPCD, 2016a).

3.3 EXEMPTION

The federal action that is described in **Section 1.0** (Proposed Project) is not exempt for the following reasons: (1) the action results in emission levels of at least one criteria pollutant exceeding the applicable *de minimis* thresholds; (2) the action does not have criteria pollutant emissions that are associated with a conforming program; (3) the action cannot be analyzed under certain other environmental regulation; and/or (4) the action is not in response to an emergency or natural disaster. The stationary source

emissions of the Proposed Project do not require the Tribe to apply for a TMNSR permit under the NSR program and, therefore, are not exempt emissions under exemption 40 CFR 93.153(d)(1). Accordingly, the stationary, area, energy use, and mobile emissions from the Proposed Project are not exempt from a conformity determination under 40 CFR 93.153(c)(2) and are thereby considered the total annual emissions that must be compared to the *de minimis* thresholds.

3.4 DE MINIMIS THRESHOLDS

Emissions estimates were provided in the EIS for both construction and operation (mobile, area, stationary, and energy) of the Proposed Project. EIS Section 3.4 gives a more in-depth analysis. Because operation and construction would not overlap, their emissions were evaluated separately by using the most up-to-date USEPA and CARB-approved land use based California Emissions Estimator Model, Version 2016.3.2 (CalEEMod) air model. Area and stationary source emissions were estimated using CalEEMod. Construction emissions were below the 10 tons per year (tpy) *de minimis* threshold for ozone precursors ROG and NOx and the 70 tpy *de minimis* threshold for $P.M_{2.5}$. Accordingly, no conformity determination is required for construction emissions. **Table 1** presents the total direct emissions for pollutants of concern during operation.

TABLE 1
OPERATIONAL EMISSIONS OF SIGNIFICANT CRITERIA POLLUTANTS[1]

Sources	ROG	NO_x	$PM_{2.5}$
	Tons per Year[1]		
Direct Operational Emissions			
Stationary	0.04	0.91	0.03
Energy	3.32	30.17	2.29
Area	7.24	0.0004	0.0002
Mobile	7.92	81.66	14.58
Waste[2]	0.00	0.00	0.00
Water[2]	0.00	0.00	0.00
Subtotal Direct Emissions	*18.52*	*112.74*	*16.90*
Indirect Operational Emissions			
Stationary[2]	0.00	0.00	0.00
Energy	0.24	2.16	0.17
Area	9.12	0.007	0.004
Mobile	0.67	9.25	1.04
Waste[2]	0.00	0.00	0.00
Water[2]	0.00	0.00	0.00
Subtotal Indirect Emissions	*10.03*	*11.42*	*1.21*
Total Emissions	***28.55***	***124.16***	***18.11***
Applicable Conformity Threshold	10	10	70
Exceedance of Threshold	***Yes***	***Yes***	*No*

Notes:
1 - NOx, ROGs, and $PM_{2.5}$ emissions values were estimated using CalEEMod.2016.3.2.
2 - Emissions are negligible and round to zero.
Source: AES, 2019.

Direct operational emissions for both NOx and ROG would exceed the 10 tpy *de minimis* threshold. Additionally, as discussed in Section 3.14 of the DEIS, the Proposed Project could induce growth within the project site as a result of potential future development. **Table 1** also presents the total indirect emissions for pollutants of concern that could occur during operation of potential future growth within the project site. Indirect operational emissions of ROG and NOx would exceed the 10 tpy *de minimis* threshold. Therefore, a conformity determination is required for ozone. This requirement is due to the Proposed Project being located in a nonattainment area for ozone and the total NOx and ROG emissions being greater than the *de minimis* levels shown in **Table 1**.

4.0 CONFORMITY DETERMINATION: OZONE PRECURSORS NOX AND ROG

4.1 ANALYSIS

Air modeling analysis was performed for the EIS and the general conformity determination concurrently. The results of this analysis can be found in the Draft EIS Section 3.4 and Appendix I. As stated above, a general conformity determination is required for ozone precursors NOx and ROG. Conformity for NOx and ROG can be shown by complying with the criteria detailed in **Section 2.0**, under phase two.

Analysis – Ozone Precursors NOx and ROG

On April 15, 2004, the USEPA designated and classified the SJVAB as serious nonattainment for the federal 1997 8-hour ozone standard. This designation and classification was promulgated on June 15, 2004. The USEPA had allowed San Joaquin Valley Air Pollution Control District (SJVAPCD) until June 15, 2013 to achieve a designation and classification of transitional attainment for the 1997 8-hour ozone standard. The SJVAPCD submitted the original 8-hour ozone plan to the USEPA on June 15, 2007.

The original 8-hour plan would not enable SJVAB to achieve attainment by June 2013; therefore, on April 30, 2007 the SJVAPCD board approved an 8- hour ozone plan that would extend the attainment date from June 15, 2013 to June 15, 2024. In accordance with the April 30, 2007 plan the SJVAB must reduce NOx by 75 percent. On May 5, 2010 the USEPA reclassified the SJVAB as extreme nonattainment for the federal 1997 8-hour ozone standard. This designation and classification became effective on June 4, 2010. Due to the reclassification of the SJVAB to extreme nonattainment the applicable conformity thresholds for NOx and ROG were lowered from 50 tpy of ozone precursors (NOx and ROG) to 10 tpy.

On May 21, 2012, EPA designated the SJVAB as an extreme nonattainment area for the federal 2008 8-hour ozone standard, effective July 20, 2012. The deadline for the SJVAB to attain the 2008 8-hour ozone standard is December 31, 2031 (SJVAPCD, 2016b). This designation did not affect the conformity thresholds. A conformity determination is required for this project due to the Proposed Project emissions exceeding the current conformity thresholds of 10 tpy of NOx and ROG. A

conformity determination is required for NOx and ROG because project related emissions exceed the *de minimis* levels within the SJVAB.

SIP Allowance for Project Emissions

Emission control measures and regulations that have been included in the 2016 SIP do not include the estimated emissions of Alternative A1; therefore conformity cannot be determined though inclusion of the project's emissions in the most recent applicable SIP.

Offsets

Conformity can be achieved by fully offsetting the Proposed Project's mitigated operational emissions through the acquisition of emission reduction credits (ERCs) for ozone precursors NOx and ROG, which shall be real, surplus, permanent, quantifiable, enforceable, and must be obtained and used in accordance with the federally approved SIP for SJVAB, or an equally enforceable measure. The Proposed Project does not include the purchase of offset credits for NOx or ROG in the EIS project description, but this purchase of offset credits is included as mitigation in Section 4.0 of the EIS.

As stated above, ERCs fully offset project emissions and must be purchased within the same nonattainment or maintenance area (or nearby area of equal or higher classification provided the emissions from that area contribute to the violations or have contributed in the past, in the area of the federal action) so that there is no net increase in emissions. Therefore ERCs can be purchased from the SJVAB or adjacent air basin that meets the above criteria such as the Sacramento Valley Air Basin.

Emission Budget

The NOx and ROG emissions of the Proposed Project coupled with the most recent SJVAB emissions inventory (2013) exceeds the applicable ozone SIP's emission budget.

Addendum to SIP

The Proposed Project does not anticipate that the Governor or State Governor designee will approve an addendum to applicable provisions of the SIP, which would include the Proposed Project's estimated NOx and ROG emissions. Therefore conformity will not be determined using this option.

4.2 MITIGATION

Mitigation measures for the Proposed Project emissions of NOx and ROG are outlined in Section 4.0 of the Draft EIS. To reduce impacts under NEPA the BIA shall demonstrate conformity for the Proposed Project through the purchase of ERCs or by entering into a Voluntary Emissions Reduction Agreement (VERA) with the SJVAPCD. This ensures compliance with the applicable conformity regulatory requirements. Real, surplus, permanent, quantifiable, and enforceable ERCs will be purchased or a VERA entered into prior to potential impacts. The Tribe will provide the BIA and thereby the USEPA and other agencies with documentation necessary to support the emission reductions through offset

purchase or a VERA, such as certification of ERC purchase or a binding agreement requiring ERC purchase prior to operation or SJVAPCD approved VERA agreement.

Prior to operation of the Proposed Project, the Tribe will purchase **18.52** tons of ROG ERCs and **112.74** tons of NOx ERCs in the SJVAB and/or another adjacent district with an equal or higher nonattainment classification (extreme) meeting the requirements outlined in 40 CFR 93.158(a)(2) or enter into a VERA with the SJVAPCD. Prior to operation of the potential future development associated with the Proposed Project, the Tribe will purchase **10.03** tons of TOG ERCs and **11.42** tons of NOx ERCs in the SJVAB and/or another adjacent district with an equal or higher nonattainment classification or enter into a VERA with the SJVAPCD. The total ERCs required to offset the direct and indirect emissions from operation of the Proposed Project are presented in **Table 2**.

TABLE 2
MITIGATION – EMISSION REDUCTION CREDITS

Sources	ROG	NO_x
	Tons of ERCs	
Direct[1]	*18.52*	*112.74*
Indirect[1]	*10.03*	*11.42*
Total	***28.55***	***124.16***

Notes: 1) Refer to **Table 1**. Source: AES, 2019.

5.0 CONCLUSION

This Draft General Conformity Determination will be submitted to all required parties in accordance with 40 CFR 93.155(a) and (b) and made available for public comment in accordance with 40 CFR 93.0156. In compliance with the mitigation measures detailed in the EIS, it is recommended that the Tribe commits to purchasing ERCs or entering into a VERA agreement with the SJVAPCD, as described above, to completely offset the operational emissions in accordance with 40 CFR 93.158 of the general conformity regulations. After the comment period for this Draft General Conformity Determination, the BIA will generate a Final Conformity Determination per 40 CFR 93.150(b), which will include detailed information on the Tribe's commitment to purchase of NOx and ROG ERCs or enter into a VERA agreement. At the time these credits are purchased or the VERA agreement is approved by the SJVAPCD, the Proposed Project will have met the requirements of conformity and conformed to the applicable SIP.

6.0 REFERENCES

SJVAPCD. 2016a. Ambient Air Quality Standards & Valley Attainment Status. Available online at: http://www.valleyair.org/aqinfo/attainment.htm. Accessed December 2018.

SJVAPCD. 2016b. 2016 Ozone Plan for 2008 8-Hour Ozone Standard. Available online at: http://www.valleyair.org/Air_Quality_Plans/Ozone-Plan-2016/Adopted-Plan.pdf. Accessed December 2018.

SJVAPCD. 2016c. 2016 Moderate Area Plan for the 2012 PM2.5 Standard. Available online at: http://www.valleyair.org/Air_Quality_Plans/docs/PM25-2016/2016-Plan.pdf. Accessed December 2018.

APPENDIX O

BIOLOGICAL TECHNICAL MEMORANDUM

ANALYTICAL ENVIRONMENTAL SERVICES

TECHNICAL MEMORANDUM

TO:	Chad Broussard, Environmental Protection Specialist, BIA
FROM:	David Zweig, P.E., Principle, AES; Kelli Raymond, Biologist, AES
PROJECT:	Tejon Indian Tribe Trust Acquisition and Casino Project
SUBJECT:	Supporting Habitat and Special-status Species Analysis
DATE:	5/30/2019

1.0 INTRODUCTION

The Tejon Indian Tribe (Tribe) seeks to acquire the 306-acre property (Mettler Site, Alternative A), or the 118-acre property (Maricopa Highway Site, Alternative B) in Kern County, CA into federal trust for the purpose of developing a casino, hotel, and supporting facilities. An EIS is being prepared concurrently to assess potential impacts of each alternative.

The Mettler Site is located in an unincorporated portion of Kern County, west of the town of Mettler and State Route 99 (SR-99), north of State Route 166 (SR-166), east of Interstate 5 (I-5), south of Valpredo Road, and approximately 14 miles south of the City of Bakersfield. The Mettler Site is comprised of four parcels: Assessor's Parcel Numbers (APNs) 238-204-02, -04, -07, and -14. A Biological Assessment (BA) was prepared for this site and included as an attachment to the EIS. The BA for the Mettler Site discusses habitats present, as well as the potential for federally-protected species to occur or impacted by site development. Mitigation measures are recommended where necessary.

The Maricopa Highway Site is located in unincorporated Kern County, less than 1.0 mile west of the Mettler Site and 14 miles south of the City of Bakersfield. The property is comprised of two parcels: APNs 238-203-14 and -22.

Based on the requirements of other California tribal gaming compacts, it is expected that Section II of the anticipated Tribal-State Compact will require the Tribe to prepare a Tribal Environmental Impact Report (TEIR) assessing the off-reservation environmental impacts at the selected project site. Therefore, state and local regulations must be considered in this analysis. The purpose of this memo is to provide supporting information to the EIS and BA regarding habitat types and quality present on the Maricopa Highway Site, analysis of state special-status species with the potential to occur on either site, and an analysis of federal special-status species with the potential to occur on the Maricopa Highway Site that have not been analyzed in the BA.

2.0 HABITAT TYPES

METTLER SITE

Habitat types on the Mettler Site include agriculture, ruderal/ developed, and three man-made agricultural ponds. A full description of survey methodology, habitat availability, and habitat quality is

included in the BA.

MARICOPA HIGHWAY SITE

A biological survey was conducted at the Maricopa Highway Site on October 3 and 4, 2018. The survey consisted of evaluating biological communities and documenting potential habitat for special-status species with the potential to occur within the sites and off-site access improvement areas. Terrestrial habitat types were classified using the *A Manual of California Vegetation* (MCV) (Sawyer et al., 2009), *Preliminary Descriptions of the Terrestrial Communities of California* (Holland, 1986), and *A Guide to Wildlife Habitats of California* (Mayer and Laudenslayer, Jr., 1988). Aquatic habitat types were classified using the *Classification of Wetlands and Deepwater Habitats of the United States* (Cowardin et al., 1979). Habitat types were further modified based on survey results.

Table 1 lists animal and plant species observed during the survey. A map of habitat types available on the Maricopa Highway Site are included in **Figure 1**, and site photographs are included in **Figure 2**. Habitat types identified on the Maricopa Highway Site include agriculture, ruderal/developed, and roadside ditch, and are further discussed below.

Agricultural

The majority of the Maricopa Highway Site (106.4 acres) consists of agricultural habitat. This is characterized by row crop production, specifically grapes. This habitat is highly disturbed and offers low quality habitat to native plants or wildlife.

Ruderal/ Disturbed

Ruderal/disturbed habitat includes 10.51 acres of unpaved access roads between vineyard blocks and around the perimeter of the project site. Similar to the agricultural habitat, the ruderal/disturbed areas consist of low quality habitat for native plants and wildlife.

Roadside Ditch

A roadside ditch borders the property on the north, east, and west sides. This habitat type consists of 0.16 acres of land. The ditch collects agricultural and excess stormwater runoff from the site, and water is only seasonally or ephemerally present. The ditch was dry at the time of the survey. Site photos are included in **Figure 2**. Similar to the remainder of the property, the roadside ditch provides low quality habitat for native plant and wildlife species and is unlikely to provide a significant water source.

3.0 SPECIAL-STATUS SPECIES

3.1 FEDERAL

A full description and analysis of federal special-status species with the potential to occur on the Mettler Site is included in the BA. The ten federal special-status species identified as having the potential to occur on the Mettler Site were also identified for the Maricopa Highway Site. Due to the proximity and similarity of habitat availability and quality of the Maricopa Highway and Mettler sites, the analysis of species presented in the BA is appropriate to apply to the Maricopa Highway Site.

This memo only focuses on those species not previously discussed. The official USFWS species list was returned using the Information for Planning and Consultation (IPaC) database. The following federal

special-status species were not identified in the BA and were identified by the official USFWS species list as having the potential to occur on the Maricopa Highway Site:

- Giant kangaroo rat (*Dipodomys ingens)*; and
- Buena Vista Lake ornate shrew (*Sorex ornatus relictus*).

TABLE 1
SPECIES OBSERVED AT MARICOPA HIGHWAY SITE

Scientific Name	Common Name	Family
Wildlife		
Charadrius vociferus	killdeer	Charadriidae
Zenaida macroura	mourning dove	Colimbidae
Haemorhous mexicanus	house finch	Fringillidae
Corvus corax	common raven	Corvidae
Zonotrichia leucophrys	white-crowned sparrow	Passeridae
Passer domesticus	house sparrow	Passeridae
Salpinctes absoletus	rock wren	Troglodytidae
Melozone crissalis	California towhee	Passerellidae
Uta stansburiana elegans	western side-blotch lizard	Phrynosomatidae
Plants		
Amaranthus blitoides	mat amaranth	Amaranthaceae
Atriplex polycarpa	allscale saltbush	Chenopodiaceae
Bromus madritensis	red brome	Poaceae
Chenepodium album	lambs quarters	Chenopodiaceae
Convolvulus arvensis	bindweed	Convolvulaceae
Cynodon dactylon	Bermuda grass	Poaceae
Cyperus esculentus	yellow nutgrass	Cyperaceae
Datura wrightii	Jimson weed	Solanaceae
Echinochloa crus-galli	barnyard grass	Poaceae
Erigeron canadensis	Canada horseweed	Asteraceae
Euphorbia maculata	spotted spurge	Euphorbiaceae
Hirschfeldia incana	yellow mustard	Brassicaceae
Lactuca saligna	willowleaf lettuce	Asteraceae
Malva parviflora	cheeseweed	Malvaceae
Melilotus officinalis	yellow sweet-clover	Fabaceae
Polygonum argyrocoleon	silversheath knotweed	Polygonaceae
Portulaca oleracea	purslane	Portulacaceae
Salix laevigata	red willow	Salicaceae
Salsola tragus	Russian thistle	Chenopodiaceae
Sonchus oleraceus	sowthistle	Asteraceae
Stachys albens	cobwebby hedge nettle	Lamiaceae
Tamarix sp.	tamarisk	Tamaricaceae
Tribulus terrestris	puncture vine	Zygophyllaceae
Vitus vinifera	cultivated grape	Vitaceae
Xanthium strumarium	rough cocklebur	Asteraceae

SOURCE: DigitalGlobe aerial photograph, 7/2017; AES, 5/16/2019

Figure 1

Maricopa Highway Site Habitat Types

PHOTO 1: View of drainage ditch, access road and agricultural vine rows along SR-166. Photograph taken from the northwestern corner of the project site facing east.

PHOTO 2: View of access road and agricultural vine rows. Photograph taken from the north western corner of the project site facing south.

PHOTO 3: View of drainage ditch and access road along the north central boundary of the project site facing east.

PHOTO 4: View of agricultural vine rows and ruderal/disturbed habitat.

PHOTO 5: View of drainage ditch and access road along Wheeler Ridge Access Rd facing north.

SOURCE: AES, 5/15/2019

Figure 2
Maricopa Highway Site Photographs

STATE

The following special-status state species were identified as having the potential to occur on either the Maricopa Highway or Mettler Sites:

- Heartscale (*Atriplex cordulata var. cordulata*)
- Bakersfield smallscale (*Atriplex tularensis*)
- Lemmon's jewelflower (*Caulanthus lemmonii*)
- Tejon poppy (*Eschscholzia lemmonii ssp. Kernensis*)
- Comanche point layia (*Layia leucopappa*)
- California legless lizard (*Anniella sp. 1*)
- California glossy snake (*Arizona elegans occidentalis*)
- Western pond turtle (*Emys marmorata*)
- Tricolored blackbird (*Agelaius tricolor*)
- Burrowing owl (*Athene cunicularia*)
- Pallid bat (*Antrozous pallidus*)

SPECIES DESCRIPTIONS

Two species were identified as having the potential to occur on either site. **Table 2** summarizes the species listed above that were ruled out based on distribution and habitat requirements. Species that were analyzed and found to have suitable habitat on one or both sites are described below.

Burrowing owl (Athene cunicularia)

Federal Status – None
State Status – Species of Special Concern
Other – None

Burrowing owls are relatively small raptors that occur in a variety of upland habitats including open grassland, prairie, plains, savannah, agricultural fields, and other ruderal areas such as vacant lots and wasteyards. This species is colonial and requires pre-existing burrows that have been abandon by other animals (e.g., squirrel, fox, woodchuck) for roosting and nesting. Occupied burrows can be identified by a lining of feathers, pellets, and debris. Burrowing owls spend most of their time on the ground or on low-lying perches such as fence posts or dirt mounds. Most burrowing owls seek cover during the warmest part of the day, though they are capable of hunting during the day and night. The nesting season of this species extends from March through August and young fledge approximately two to four weeks after hatching. The range of this species includes the entire Central Valley to the Transverse Range, most of the Great Basin region, and most of the eastern and southern desert regions of Southern California. This species may be found in the agricultural habitat present on either site.

Giant kangaroo rat (Dipodomys ingens)

Federal Status – Endangered
State Status – Endangered
Other – None

Kangaroo rats are small mammals with elongated hind limbs for hopping and external cheek pouches for carrying food to their burrows. The giant kangaroo rat is the largest of all kangaroo rats and weighs

from 4.6 to 6.4 ounces. The total length is 12.2 to 13.7 inches, including a tail that is six to eight inches. Giant kangaroo rats subsist on the seeds of annual plants such as brome grasses and filaree, as well as green plants and insects. Populations of this species occur in scattered colonies along the western side of the San Joaquin Valley (e.g., Carrizo Plain, Panoche Valley). Suitable habitat includes annual grasslands on gentle slopes of usually less than 20 degrees, and with friable sandy-loam soils. This species may be found in the agricultural habitat present on either site. However, it was not returned as a species of concern from USFWS for the Mettler Site, and available habitat on the Maricopa Highway Site is marginal. Therefore the potential presence of this species is extremely low. Furthermore, there are no CNDDB occurrences of this species within ten miles of either the Mettler Site or Maricopa Highway Site. Known observations of this species that exceed a ten-mile radius from the project site exist, but are beyond multiple main roads or freeways.

TABLE 2
REGIONALLY OCCURRING SPECIAL-STATUS SPECIES NEAR THE METTLER AND MARICOPA HIGHWAY SITES

SCIENTIFIC NAME **COMMON NAME**	**FEDERAL/STATE /CNPS LIST**	**DISTRIBUTION**	**HABITAT REQUIREMENTS**	**PERIOD OF IDENTIFICATION**	**POTENTIAL TO OCCUR**	
					METTLER	**MARICOPA**
PLANTS						
Atriplex cordulata var. *cordulata* heartscale	--/--/1B.2	Known to occur in Alameda, Butte, Contra Costa, Colusa, Fresno, Glenn, Kern, Madera, Merced, San Joaquin, San Luis Obispo, Solano, Stanislaus, Tulare, and Yolo counties. However, this species is presumed extirpated in San Joaquin, Stanislaus, and Yolo counties.	Found in saline or alkaline soils and in chenopod scrub, meadows and seeps, and valley and foothill grassland habitats. Elevations range from 0-560 meters.	April-October	**No**, Suitable habitat for this species not present on site.	**No**, Suitable habitat for this species not present on site.
Atriplex tularensis Bakersfield smallscale	--/CE/1A	Known to occur in only in Kern county.	An annual herb found in alkaline soils along shores of dry lakes or ponds, and chenopod scrub. Elevation range from 90-200 meters.	June-October	**No**, Suitable habitat for this species not present on site.	**No**, Suitable habitat for this species not present on site.
Caulanthus lemmonii Lemmon's jewelflower	**--/--/**1B.2	Known to occur in Alameda*, Fresno, Kings, Kern, Merced, Monterey, Santa Barbara, San Benito, San Joaquin, San Luis Obispo, Stanislaus, and Ventura counties	Annual herb found in pinyon and juniper woodland, chaparral, scrub, valley and foothill grassland. Elevations range from 80-1,580 meters	February-May	**No**, Suitable habitat for this species not present on site.	**No**, Suitable habitat for this species not present on site.
Eschscholzia lemmonii ssp. kernensis Tejon poppy	--/--/1B.1	Known to occur in Kern and San Luis Obispo counties.	Found in chenopod scrub, and open grassland habitats. Elevations range from 160-1000 meters.	February-May	**No**, Suitable habitat for this species not present on site.	**No**, Suitable habitat for this species not present on site.
Layia leucopappa Comanche Point layia	--/--/1B.1	Known to occur in Kern County, along the southeastern edge of the San Joaquin Valley, against the Tejon Hills.	Chenopod scrub, valley and foothill grassland. Elevations: 100-350 meters.	March-April	**No**, Suitable habitat for this species not present on site.	**No**, Suitable habitat for this species not present on site.
ANIMALS						
Reptiles						
Anniella sp. 1 California legless lizard	--/CSC/--	Known to occur mainly in Monterey, San Luis Obispo, and Santa Cruz counties, although may occur in the central and southern portions of the Central Valley and in Southern California.	Burrows in loose soil, especially in shrubby semi-stabilized sand dunes near beaches; also in washes and other areas with sandy soil, in areas vegetated pine-oak woodland, chaparral, or grass.	May-November	**No**, Suitable habitat for this species not present on site.	**No**, Suitable habitat for this species not present on site.
Arizona elegans occidentalis California glossy snake	--/CSC/--	Known to occur from the eastern part of the San Francisco Bay Area south to the northwestern Baja California. Absent along the central coast.	Arid scrub, rocky washes, grasslands, and chaparral. Elevations: 0-2,200 meters.	All Year	**No,** suitable habitat for this species is not present.	**No,** suitable habitat for this species is not present.

Emys marmorata Western pond turtle	--/CSC/--	Distribution ranges from Washington to northern Baja California.	Inhabit rivers, streams, lakes, ponds, reservoirs, stock ponds, and permanent wetland habitats with basking sites.	Year-round	**No**, Suitable habitat for this species not present on site.	**No**, Suitable habitat for this species not present on site.
Agelaius tricolor Tricolored blackbird	--/CT/--	California and Baja California, Mexico.	Nests in dense thickets of cattails, tules, willow, blackberry, wild rose, and other tall herbs near fresh water.	All Year	**No**, Suitable habitat for this species not present on site.	**No**, Suitable habitat for this species not present on site.
Athene cunicularia Burrowing owl	--/CSC/--	Formerly common within the described habitats throughout the state except the northwest coastal forests and high mountains.	Yearlong resident of open, dry grassland and desert habitats, as well as in grass, forb and open shrub stages of pinyon-juniper and ponderosa pine habitats.	All Year	**Yes,** potential habitat for this species exists on site. No burrows observed on site.	**Yes,** potential habitat for this species exists on site. Burrows seen on-site.
Antrozous pallidus Pallid bat	--/CSC/--	Locally common species at low elevations. It occurs throughout California except for the high Sierra Nevada from Shasta to Kern counties, and the northwestern corner of the state from Del Norte and western Siskiyou counties to northern Mendocino county.	Habitats occupied include grasslands, shrublands, woodlands, and forests from sea level up through mixed conifer forests, generally below 2,000 meters. The species is most common in open, dry habitats with rocky areas for roosting. Roosts also include cliffs, abandoned buildings, bird boxes, under exfoliating bark, and under bridges.	Year-round	**No**, Suitable habitat for this species not present on site.	**No**, Suitable habitat for this species not present on site.
Dipodomys ingens giant kangaroo rat	FE/CE/--	Known from scattered colonies along the southwestern edge of central California's San Joaquin Valley and adjacent valleys and plateaus of the Inner Coastal ranges. within Fresno, Kern, Kings, Merced, Santa Barbara, San Benito, San Luis Obispo,	Mainly inhabit fine sandy loam soils supporting sparse annual grass/forb vegetation, and marginally found in low-density alkali desert scrub. Prefer level terrain and sandy loam soils are needed for burrowing. Optimal cover consists of areas with almost no shrub overstory, and very few physiographic variations. Elevations range from 90 to 885 meters.	All year	**No,** not returned as a species of concern through USFWS. Site is outside of species habitat range.	**Yes,** potential habitat for this species exists on site.
Sorex ornatus relictus Buena Vista Lake ornate shrew	FE/CSC/--	Known only from Kern County, southern San Juaquin Valley. Little is known about their historical distribution.	Associated with mesophytic communities with a dense cover and an abundant layer of litter. Plants associated with the more recent habitat description include Fremont cottonwood, willows, alkali heath, wild rye grass, and Baltic rush.	All Year	**No**, not returned as a species of concern through USFWS. Site is outside of species habitat range.	**No**, Suitable habitat for this species not present on site.

SOURCES: CNDDB, USFWS, CNPS

STATUS CODES:

FEDERAL: United States Fish and Wildlife Service
FE Federally Endangered
FT Federally Threatened
FC Candidate for Federal Listing

STATE: California Department of Fish and Game
CE California Listed Endangered
CT California Listed Threatened
CSC California Species of Special Concern

CNPS: California Native Plant Society (California Rare Plant Rank [CRPR])
1A Plants Presumed Extinct in California
1B Plants Rare, Threatened, or Endangered in California and Elsewhere
2B Plants Rare, Threatened, or Endangered in California, But More Common Elsewhere

CNPS Threat Ranks:
0.1 Seriously Threatened in California (Over 80% of occurrences threatened/high degree and immediacy of threat)
0.2 Fairly Threatened in California (20-80% occurrences threatened/moderate degree and immediacy of threat)
0.3 Not Very Threatened in California (<20% of occurrences threatened/low degree and immediacy of threat or no current threats known)

4.0 DISCUSSION

No special-status species were observed at either site during the survey. The BA describes the results of the Mettler Site survey. A list of plant and animal species observed during the field visit to the Maricopa Highway Site is included in **Table 1** of this document. Species observed were consistent with highly disturbed and agricultural sites, and no special-status species were observed.

Burrowing owl (*Athene cunicularia*): Burrowing owls may be present on either site. The Maricopa Highway Site contained burrows during the time of the survey. Habitat suitable to support burrowing owls occurs within the area of impact for both Alternative A and B. There have been no recorded CNDDB occurrences of burrowing owl within a 10-mile radius of either site. Potential effects to burrowing owls include mortality, destruction of nests, and destruction of potential burrows.

Giant kangaroo rat (*Dipodomys ingens*): Giant kangaroo rats could be present on either site within the agricultural areas. However, it was not returned as a species of concern from USFWS for the Mettler Site, and therefore was eliminated from consideration for the Mettler Site. Given the high levels of disturbance on the Maricopa Highway Site, and lack of any historical observations in a ten-mile radius, it is extremely unlikely that this species is present. Known observations that occur beyond a ten-mile radius are separated from the Maricopa Highway Site by multiple barriers including main roads, highways and surrounding development and disturbance. However, marginal habitat for giant kangaroo rat is present within the area of impact for Alternative B. Potential effects to giant kangaroo rat include mortality and loss of potential dens.

5.0 RECOMMENDATIONS

An additional analysis of habitat types and special-status species with the potential to occur on the Mettler and Maricopa Highway Sites resulted in two special-status species not addressed in the BA; burrowing owl and giant kangaroo rat. It is recommended that existing mitigation measures in the BA for San Joaquin kit fox, blunt-nosed leopard lizard, and Tipton kangaroo rat be adhered to and that nesting bird surveys be conducted as already outlined in the BA. In addition to existing mitigation measures, it is recommended that the following additional mitigation measures specifically for burrowing owl and giant kangaroo rat occur to ensure that potential impacts to these species are less-than-significant. With the following mitigation measures, the Proposed Project **may affect, but is not likely to adversely affect** special-status species.

Burrowing owl: The following mitigation measures, in addition to the nesting bird surveys outlined in the BA, are recommended to reduce impacts that Alternative A or B may have on burrowing owl:

- A qualified biologist shall conduct a pre-construction survey for burrowing owls within the 30 days prior to construction activities to establish the status of this species on the site. If ground-disturbing activities are delayed or suspended for more than 30 days after the pre-construction survey, the site shall be resurveyed. If burrowing owls are detected on or within approximately 500 feet of the site, a qualified biologist shall be consulted to develop measures to avoid “take” of this species prior to the initiation of any construction activities. Burrows observed on site will additionally be treated as potential SJKF dens and will be handled as outlined in mitigation measures for SJKF. These measures include establishing appropriate buffers, and may require additional monitoring by a qualified biologist before destruction if burrowing owls are observed

during pre-construction surveys.

- Prior to construction activities, a qualified biologist shall instruct and distribute informational materials to construction personnel about: (1) the life history of the burrowing owl; (2) the importance of habitat requirements; (3) sensitive areas including those identified on site, and (4) the importance of maintaining the required setbacks and detailing the limits of the construction area. Documentation of this training shall be maintained on site.

Giant kangaroo rat: The following mitigation measures have been included in the BA for Tipton kangaroo rat. These measures are also sufficient to reduce impacts that Alternative B may have on giant kangaroo rat:

- A preconstruction survey for kangaroo rat presence shall be conducted between two weeks and 30 calendar days before the start of ground-disturbing activities. A qualified biologist shall survey for kangaroo rat sign such as scat, burrows, tail drag marks, and tracks. Should a confirmed observation of a kangaroo rat or sign occur, USFWS service shall be contacted to determine if relocation procedures are necessary. Presence of Tipton kangaroo rat or giant kangaroo rat shall be assumed if positive sign for any kangaroo rat is observed due to the difficulty of species-level identification without live trapping. The 2013 *Survey Protocol for Determining Presence of San Joaquin Kangaroo Rats*, developed by the USFWS will be referenced and is included as **Attachment C** of the BA.
- Should an active burrow be observed on site, a 50-foot buffer shall be marked around the burrow entrance by the qualified biologist with high-visibility fencing. Should the active burrow be within the project footprint, USFWS shall be contacted to determine the appropriate removal or avoidance measures.
- Prior to construction activities, a qualified biologist shall instruct and distribute informational materials to construction personnel about giant kangaroo rat (Maricopa Highway Site Only) including life history information, habitat requirements, and appropriate response to potential observations. The qualified biologist shall monitor construction during initial grading activities. Documentation of this training shall be maintained on site.

REFERENCES

Cowardin, L.M., V. Carter, F.C. Golet, and E.T. LaRoe. 1979. Classification of Wetlands and Deepwater Habitats of the United States. FWS/OBS-79/31. U.S. Fish and Wildlife Service. December 1979.

Holland, Robert. 1986. Preliminary Descriptions of the Terrestrial Natural Communities of California. State of California, The Resource Agency Department of Fish and Game. October 1986.

Mayer, Kenneth and Laudenslayer, W. 1988. A Guide to Wildlife Habitats of California. California Department of Forestry and Fire Protection. Sacramento, California.

Sawyer, J.O., Keeler-Wolf, T. and J. M. Evans. 2009. A Manual of California Vegetation. Second Edition. California Native Plant Society Press, Sacramento, California.

APPENDIX P

TRIBAL CONSULTATION

ANALYTICAL ENVIRONMENTAL SERVICES

November 13, 2017

Native American Heritage Commission
1550 Harbor Blvd, Suite 100
West Sacramento, CA 95691

RE: Tejon EIS Project

To Whom It May Concern:

I am writing to you to request a search of the Sacred Lands File and for a list of contacts for people who may have information related to the Tejon EIS Project, located near the town of Mettler, in Kern County, CA (see attached map). This is an alternative site proposed for the development of a casino with associated hotel, parking, and other appurtenances.

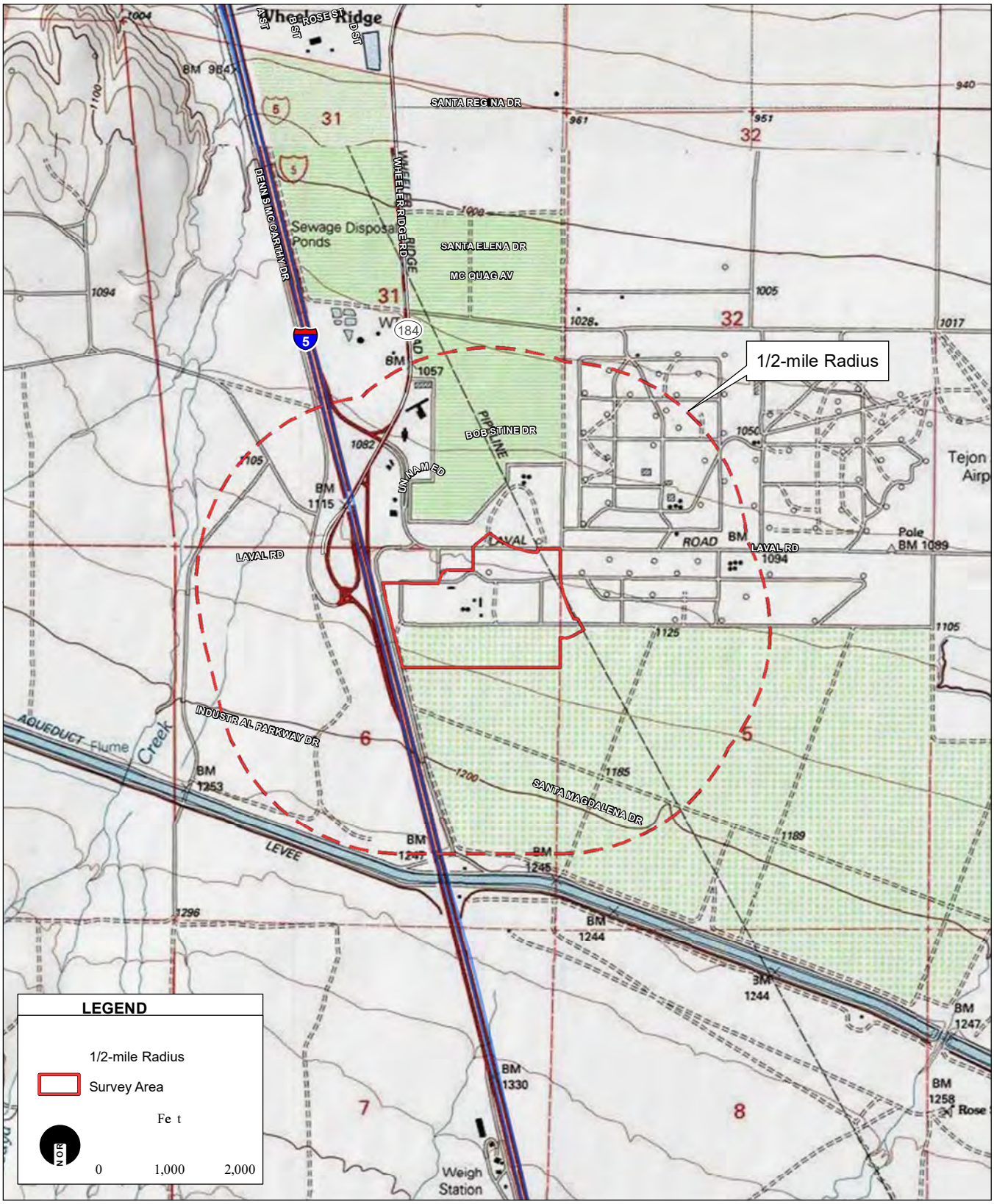
The project site is west of the Tejon Oil Field Airport, on a partially developed parcel within Sections 6 and 31 of Townships 10-11 North, Range 19 West and is depicted on the Grapevine USGS quadrangle.

Should you have any questions, or need additional information, please contact me by phone at (916) 447-3479 or by email at cgross@analyticalcorp.com.

Thank you,

Charlane Gross

1801 7TH STREET, SUITE 100 • SACRAMENTO, CA 95811 • TEL 916·447·3479 FAX 916·447·1665
www.analyticalcorp.com



SOURCE: "Grapevine, CA" USGS 7.5 Minute Topographic Quadrangle,
T10N R19W & T11N R19W, Sections 5, 6, 31, & 32, San Bernardino Baseline & Meridian;
ESRI Data, 2017; AES,ll /10/2017

Tejon Cultura' 215514 ■

Exhibit A
Record Search

NATIVE AMERICAN HERITAGE COMMISSION
Cultural and Environmental Department
1550 Harbor Blvd., Suite 100
West Sacramento, CA 95691
(916) 373-3710

November 27, 2017

Charlane Gross
Analytical Environmental Services

Sent by Email: cgross@analyaticalcorp.com
Number of Pages: 2

RE: Tejon EIS Project, Grapevine, Kern County

Dear Ms. Gross:

A record search of the Native American Heritage Commission (NAHC) *Sacred Lands File* was completed for the area of potential project effect (APE) referenced above with negative results**. Please note that the absence of specific site information in the *Sacred Lands File* does not indicate the absence of Native American cultural resources in any APE.**

I suggest you contact all of those listed, if they cannot supply information, they might recommend others with specific knowledge. The list should provide a starting place to locate areas of potential adverse impact within the APE. **By contacting all those on the list, your organization will be better able to respond to claims of failure to consult**. If a response has not been received within two weeks of notification, the NAHC 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 via email: Sharaya.souza@nahc.ca.gov.

Sincerely,

Sharaya Souza
Staff Services Analyst
(916) 573-0168

Native American Heritage Commission
Native American Contacts
11/22/2017

Big Pine Paiute Tribe of the Owens Valley
Genevieve Jones, Chairperson
P. O. Box 700
Big Pine , CA 93513
(760) 938-2003

(976) 938-2942 Fax

Paiute - Shoshone

Kitanemuk & Yowlumne Tejon Indians
Delia Dominguez, Chairperson
115 Radio Street
Bakersfield , CA 93305
deedominguez@juno.com

(626) 339-6785

Yowlumne
Kitanemuk

Big Pine Paiute Tribe of the Owens Valley
Danelle Gutierrez THPO
P.O. Box 700
Big Pine , CA 93513
d.gutierrez@bigpinepaiute.org

(760) 938-2003, ext. 228

(760) 938-2942 Fax

Paiute

San Manuel Band of Mission Indians
Lee Clauss, Director-CRM Dept.
26569 Community Center Drive
Highland , CA 92346
lclauss@sanmanuel-nsn.gov

(909) 864-8933

(909) 864-3370 Fax

Serrano

Chumash Council of Bakersfield
Julio Quair, Chairperson
729 Texas Street
Bakersfield , CA 93307
chumashtribe@sbcglobal.net

661-322-0121

Chumash

San Manuel Band of Mission Indians
Lynn Valbuena
26569 Community Center Dr.
Highland , CA 92346

(909) 864-8933

Serrano

Kern Valley Indian Community
Julie Turner, Secretary
P.O. Box 1010
Lake Isabella , CA 93240
(661) 340-0032 Cell

Kawaiisu
Tubatulabal

Santa Rosa Indian Community of the Santa Rosa Rancheria
Rueben Barrios Sr., Chairperson
P.O. Box 8
Lemoore , CA 93245
(559) 924-1278

(559) 924-3583 Fax

Tache
Tachi
Yokut

Kern Valley Indian Community
Robert Robinson, Chairperson
P.O. Box 1010
Lake Isabella , CA 93283
brobinson@iwvisp.com

(760) 378-2915 Cell

Tubatulabal
Kawaiisu

Tejon Indian Tribe
Octavio Escobedo, Chairperson
1731 Hasti-acres Drive, Suite 108
Bakersfield , CA 93309
oescobedo@tejontribe.net

(661) 834-8566

(661) 834-8564 Fax

Kitanemuk

This list is current only as of the date of this document and is based on the information available to the Commission on the date it was produced.

Distribution of this list does not relieve any person of statutory responsibility as defined in Section 7050.5 of the Health and Safety Code, Section 5097.94 of the Public Resource Section 5097.98 of the Public Resources Code.

This list is only applicable for contacting local Native Americans with regard to cultural resources assessments for the Tejon EIS Project, Grapevine, Kern County.

Native American Heritage Commission
Native American Contacts
11/22/2017

Tubatulabals of Kern Valley
Robert L. Gomez, Jr., Tribal Chairperson
P.O. Box 226 Tubatulabal
Lake Isabella , CA 93240
(760) 379-4590

(760) 379-4592 Fax

Tule River Indian Tribe
Neil Peyron, Chairperson
P.O. Box 589 Yokuts
Porterville , CA 93258
chairman@tulerivertribe-nsn.gov
(559) 781-4271

(559) 781-4610 Fax

Wuksache Indian Tribe/Eshom Valley Band
Kenneth Woodrow, Chairperson
1179 Rock Haven Ct. Foothill Yokuts
Salinas , CA 93906 Mono
kwood8934@aol.com Wuksache
(831) 443-9702

This list is current only as of the date of this document and is based on the information available to the Commission on the date it was produced.

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This list is only applicable for contacting local Native Americans with regard to cultural resources assessments for the Tejon EIS Project, Grapevine, Kern County.

ANALYTICAL ENVIRONMENTAL SERVICES

June 6, 2019

Rueben Barrios, Sr., Chairperson
Santa Rosa Indian Community of the Santa Rosa Rancheria
P.O. Box 8
Lemoore, CA 93245

RE: Mettler Development Project

Dear Mr. Barrios:

I am writing to you regarding a project in Mettler, CA. The Tejon Indian Tribe proposes to develop a 306-acre property in Kern County after it is taken into trust by the Bureau of Indian Affairs. Proposed potential uses include a casino or residential development, a health and community center, Tribal administration facilities, and/or an organic farm.

The project site lies in Section 2 of Township 11 North, Range 20 West and is depicted on the Mettler, CA USGS 7.5' quadrangle (see attached map).

If you have any information regarding cultural resources within the proposed project area, I would appreciate it if you would contact me so that it may be documented appropriately and integrated into project planning.

Should you have any questions or comments, or need additional information, please contact me by phone at (916) 447-3479 or by email at cgross@analyticalcorp.com.

Thank you,

Charlane Gross. M.A., RPA
Senior Archaeologist

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BM 436
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Creek
BM 457
Well
BM 481
460
437
COBERLY
WEST
473
ROAD
510
Tecuya
99
620
BM 516
534
3
2
1
Mettler
BM 539
5
500
568
BM 527
BM 547
MARICOPA
HIGHWAY
166
BM 564
560
10
11
12
LEGEND
Project Boundary
1/2 Mile Radius
559
586
BM 621

Exhibit A

ANALYTICAL ENVIRONMENTAL SERVICES

June 6, 2019

Lee Clauss, CRM Department Director
San Manuel Band of Mission Indians
26569 Community Center Drive
Highland, CA 92346

RE: Mettler Development Project

Dear Mr. Clauss:

I am writing to you regarding a project in Mettler, CA. The Tejon Indian Tribe proposes to develop a 306-acre property in Kern County after it is taken into trust by the Bureau of Indian Affairs. Proposed potential uses include a casino or residential development, a health and community center, Tribal administration facilities, and/or an organic farm.

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Senior Archaeologist

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ANALYTICAL ENVIRONMENTAL SERVICES

June 6, 2019

Delia Dominguez, Chairperson
Kitanemuk & Yowlumne Tejon Indians
115 Radio Street
Bakersfield, CA 93305

RE: Mettler Development Project

Dear Ms. Dominguez:

I am writing to you regarding a project in Mettler, CA. The Tejon Indian Tribe proposes to develop a 306-acre property in Kern County after it is taken into trust by the Bureau of Indian Affairs. Proposed potential uses include a casino or residential development, a health and community center, Tribal administration facilities, and/or an organic farm.

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Thank you,

Charlane Gross. M.A., RPA
Senior Archaeologist

ANALYTICAL ENVIRONMENTAL SERVICES

June 6, 2019

Octavio Escobedo, Chairperson
Tejon Indian Tribe
1731 Hasti-acres Drive, Suite 108
Bakersfield, CA 93309

RE: Mettler Development Project

Dear Mr. Escobedo:

I am writing to you regarding a project in Mettler, CA. The Tejon Indian Tribe proposes to develop a 306-acre property in Kern County after it is taken into trust by the Bureau of Indian Affairs. Proposed potential uses include a casino or residential development, a health and community center, Tribal administration facilities, and/or an organic farm.

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Thank you,

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Senior Archaeologist

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ANALYTICAL ENVIRONMENTAL SERVICES

June 6, 2019

Robert Gomez, Jr., Chairperson
Tubatulabals of Kern Valley
P.O. Box 226
Lake Isabella, CA 93240

RE: Mettler Development Project

Dear Mr. Gomez:

I am writing to you regarding a project in Mettler, CA. The Tejon Indian Tribe proposes to develop a 306-acre property in Kern County after it is taken into trust by the Bureau of Indian Affairs. Proposed potential uses include a casino or residential development, a health and community center, Tribal administration facilities, and/or an organic farm.

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Thank you,

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Senior Archaeologist

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ANALYTICAL ENVIRONMENTAL SERVICES

June 6, 2019

Danelle Gutierrez, Tribal Historic Preservation Officer
Big Pine Paiute Tribe of the Owens Valley
P.O. Box 700
Big Pine, CA 93513

RE: Mettler Development Project

Dear Ms. Gutierrez:

I am writing to you regarding a project in Mettler, CA. The Tejon Indian Tribe proposes to develop a 306-acre property in Kern County after it is taken into trust by the Bureau of Indian Affairs. Proposed potential uses include a casino or residential development, a health and community center, Tribal administration facilities, and/or an organic farm.

The project site lies in Section 2 of Township 11 North, Range 20 West and is depicted on the Mettler, CA USGS 7.5' quadrangle (see attached map).

If you have any information regarding cultural resources within the proposed project area, I would appreciate it if you would contact me so that it may be documented appropriately and integrated into project planning.

Should you have any questions or comments, or need additional information, please contact me by phone at (916) 447-3479 or by email at cgross@analyticalcorp.com.

Thank you,

Charlane Gross. M.A., RPA
Senior Archaeologist

1801 7TH STREET, SUITE 100 • SACRAMENTO, CA 95811 • TEL 916·447·3479 FAX 916·447·1665
www.analyticalcorp.com

ANALYTICAL ENVIRONMENTAL SERVICES

June 6, 2019

Genevieve Jones, Chairperson
Big Pine Paiute Tribe of the Owens Valley
P.O. Box 700
Big Pine, CA 93513

RE: Mettler Development Project

Dear Ms. Jones:

I am writing to you regarding a project in Mettler, CA. The Tejon Indian Tribe proposes to develop a 306-acre property in Kern County after it is taken into trust by the Bureau of Indian Affairs. Proposed potential uses include a casino or residential development, a health and community center, Tribal administration facilities, and/or an organic farm.

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Thank you,

Charlane Gross. M.A., RPA
Senior Archaeologist

ANALYTICAL ENVIRONMENTAL SERVICES

June 6, 2019

Neil Peyron, Chairperson
Tule River Indian Tribe
P.O. Box 589
Porterville, CA 93258

RE: Mettler Development Project

Dear Mr. Peyron:

I am writing to you regarding a project in Mettler, CA. The Tejon Indian Tribe proposes to develop a 306-acre property in Kern County after it is taken into trust by the Bureau of Indian Affairs. Proposed potential uses include a casino or residential development, a health and community center, Tribal administration facilities, and/or an organic farm.

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ANALYTICAL ENVIRONMENTAL SERVICES

June 6, 2019

Julio Quair, Chairperson
Chumash Council of Bakersfield
729 Texas Street
Bakersfield, CA 93307

RE: Mettler Development Project

Dear Mr. Quair:

I am writing to you regarding a project in Mettler, CA. The Tejon Indian Tribe proposes to develop a 306-acre property in Kern County after it is taken into trust by the Bureau of Indian Affairs. Proposed potential uses include a casino or residential development, a health and community center, Tribal administration facilities, and/or an organic farm.

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ANALYTICAL ENVIRONMENTAL SERVICES

June 6, 2019

Robert Robinson, Chairperson
Kern Valley Indian Community
P.O. Box 1010
Lake Isabella, CA 93240

RE: Mettler Development Project

Dear Mr. Robinson:

I am writing to you regarding a project in Mettler, CA. The Tejon Indian Tribe proposes to develop a 306-acre property in Kern County after it is taken into trust by the Bureau of Indian Affairs. Proposed potential uses include a casino or residential development, a health and community center, Tribal administration facilities, and/or an organic farm.

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ANALYTICAL ENVIRONMENTAL SERVICES

June 6, 2019

Julie Turner, Secretary
Kern Valley Indian Community
P.O. Box 1010
Lake Isabella, CA 93240

RE: Mettler Development Project

Dear Ms. Turner:

I am writing to you regarding a project in Mettler, CA. The Tejon Indian Tribe proposes to develop a 306-acre property in Kern County after it is taken into trust by the Bureau of Indian Affairs. Proposed potential uses include a casino or residential development, a health and community center, Tribal administration facilities, and/or an organic farm.

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ANALYTICAL ENVIRONMENTAL SERVICES

June 6, 2019

Lynn Valbuena
San Manuel Band of Mission Indians
26569 Community Center Drive
Highland, CA 92346

RE: Mettler Development Project

Dear Ms. Valbuena:

I am writing to you regarding a project in Mettler, CA. The Tejon Indian Tribe proposes to develop a 306-acre property in Kern County after it is taken into trust by the Bureau of Indian Affairs. Proposed potential uses include a casino or residential development, a health and community center, Tribal administration facilities, and/or an organic farm.

The project site lies in Section 2 of Township 11 North, Range 20 West and is depicted on the Mettler, CA USGS 7.5' quadrangle (see attached map).

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Thank you,

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Senior Archaeologist

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ANALYTICAL ENVIRONMENTAL SERVICES

June 6, 2019

Kenneth Woodrow, Chairperson
Wuksache Indian Tribe/Eshom Valley Band
1179 Rock Haven Court
Salinas, CA 93906

RE: Mettler Development Project

Dear Mr. Woodrow:

I am writing to you regarding a project in Mettler, CA. The Tejon Indian Tribe proposes to develop a 306-acre property in Kern County after it is taken into trust by the Bureau of Indian Affairs. Proposed potential uses include a casino or residential development, a health and community center, Tribal administration facilities, and/or an organic farm.

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Thank you,

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<<Tejon EIS (Project Number 215514)>>

Tribe	Phone number	First Name	Last Name	Title	Letter	Phone Call	Results/Information/Notes
NAHC	916.373.3710				11/13/17 (Mettler); 9/13/18 (Maricopa)		Received a reply dated 11/27/17 for Mettler and 9/26/18 for Maricopa Highway
Big Pine Paiute Tribe of the Owens Valley	(760) 938-2003	Genevieve	Jones	Chairperson	6/6/2019	7/1/2019	unable to contact
Big Pine Paiute Tribe of the Owens Valley	(760) 938-2003 x 228	Danelle	Gutierrez	THPO	6/6/2019	7/1/2019	Left VM
Chumash Council of Bakersfield	661-322-0121	Julio	Quair	Chairperson	6/6/2019	7/1/2019	Left VM
Kern Valley Indian Community	(661) 340-0032	Julie	Turner	Secretary	6/6/2019	7/1/2019	Left VM
Kern Valley Indian Community	(760) 378-2915	Robert	Robinson	Chairperson	6/6/2019	7/1/2019	Outside their area, but sensitive for cultural resources, should monitor construction
Kitanemuk & Yowlumne Tejon Indians	(626) 339-6785	Delia	Dominguez	Chairperson	6/6/2019	7/1/2019	Unfamiliar with project, saw draft EIS, has concerns
San Manuel Band of Mission Indians	(909) 864-8933	Lee	Clauss	Director, CRM Dept.	6/6/2019	7/1/2019	Left VM
San Manuel Band of Mission Indians	(909) 864-8933	Lynn	Valbuena	n/a	6/6/2019	7/1/2019	Left VM
Santa Rosa Indian Community of the Santa Rosa Rancheria	(559) 924-1278	Rueben	Barrios	Chairperson	6/6/2019	7/1/2019	Left VM
Tejon Indian Tribe	(661) 834-8566	Octavio	Escobedo	Chairperson	6/6/2019	8/8/2019	Colin Rambo - THPO - low potential. Concerns likely to be raised by Kitanemuk & Yowlumne Tejon.
Tubatulabals of Kern Valley	(760) 379-4590	Robert	Gomez	Chairperson	6/6/2019	7/1/2019	phone # disconnected or no longer in service
Tule River Indian Tribe	(559) 781-4271	Neil	Peyron	Chairperson	6/6/2019	7/1/2019	Left VM for Amanda Peron
Wuksache Indian Tribe/Eshom Valley Band	(831) 443-9702	Kenneth	Woodrow	Chairperson	6/6/2019	7/1/2019	Left VM

APPENDIX Q

CULTURAL RESOURCES SURVEYS

CULTURAL RESOURCES SURVEY REPORT
BOUND SEPARATELY*

***THE CULTURAL RESOURCES SURVEY REPORT HAS BEEN BOUND SEPARATELY TO PROTECT POTENTIALLY SENSITIVE INFORMATION ABOUT THE LOCATION AND NATURE OF CULTURAL RESOURCES.**

APPENDIX R

REFINED U.S. CENSUS DATA TABLES

TABLE 3.7-1
MINORITY POPULATION – PROJECT ALTERNATIVE SITES AND NEARBY CENSUS TRACTS

Census Tract	Total Population	White (alone)	Black or African American	American Indian or Alaska Native	Asian	Native Hawaiian or Other Pacific Islander	Other Race	Two or More Races	Hispanic or Latino (of any race)	Total Minority Population[1]	Percent Minority
California	39,148,760	14,695,836	2,164,519	138,427	5,525,439	138,911	97,763	1,166,288	15,221,577	24,452,924	62%
Kern County	883,053	307,030	45,053	4,202	40,273	1,153	1,039	18,461	465,842	576,023	65%
City of Bakersfield	375,699	125,841	26,238	1,068	27,029	730	765	7,877	186,151	249,858	67%
Community of Mettler	138	15	0	0	0	0	0	0	123	123	89%
Mettler and Maricopa Highway sites											
33.04 (Mettler Site)	3,723	1,814	94	18	127	5	0	53	1,612	1,909	51%
33.06 (Maricopa Hwy Site)	4,737	2,744	0	113	299	0	0	192	1,389	1,993	42%
Vicinity											
32.04	11,368	4804	442	33	2418	0	0	334	3,337	6,564	58%
33.05	3,306	2276	0	22	66	0	13	108	821	1,030	31%
34	4,374	1526	0	28	120	0	0	64	2,636	2,848	65%
35	7788	5257	22	0	201	0	0	340	1968	2,531	32%
36	4391	2575	20	46	0	0	8	22	1720	1,816	41%
37	3,344	1113	23	0	0	0	0	89	2,119	2,231	67%
45	2,841	148	2	2	16	0	0	0	2,673	2,693	95%
60.07	5,768	4310	19	7	85	0	0	151	1,196	1,458	25%
62.02	8,209	377	161	0	2	0	0	0	7,669	7,832	95%
1 (Ventura County)	560	488	0	0	5	0	0	22	45	72	13%
103 (San Luis Obispo County)	9,075	6,360	20	111	11	0	13	249	2,311	2,715	30%
127.02 (San Luis Obispo County)	6,852	5,763	111	12	145	0	0	54	767	1,089	16%
18 (Santa Barbara County)	1,100	526	7	3	16	0	0	15	533	574	52%
9012.09 (Los Angeles County)	1,840	1,135	41	7	47	0	0	33	577	705	38%

Source: US Census, 2018a (for references, see Section 7 of the Final EIS)
Note 1: U.S. EPA's definition of a minority population considers the races American Indian or Alaskan Native; Asian or Pacific Islander; Black, not of Hispanic origin; and Hispanic as minorities (USEPA, 2019b) (for references, see Section 7 of the Final EIS)

TABLE 3.7-2
HOUSEHOLD INCOME – PROJECT ALTERNATIVE SITES AND NEARBY CENSUS TRACTS

Census Tract	Median Household Income	Average Household Size	Poverty Threshold[1]
Mettler and Maricopa Highway sites			
33.04 (Mettler Site)	$61,667	3.11	$25,750
33.04 (Mettler Site)	$61,667	3.11	$25,750
Vicinity			
32.04	$115,412	3.33	$21,330
33.03	$35,556	2.88	$21,330
33.05	$33,929	2.41	$21,330
34	$35,078	3.39	$21,330
35	$52,558	2.93	$21,330
36	$37,700	3.17	$21,330
37	$41,225	3.28	$21,330
45	$35,734	3.77	$25,750
60.07	$61,745	2.76	$21,330
62.02	$53,379	4.78	$25,750
1 (Ventura County)	$58,942	2.32	$25,750
103 (San Luis Obispo County)	$82,475	2.51	$30,170
127.02 (San Luis Obispo County)	$69,831	2.52	$30,170
18 (Santa Barbara County)	$58,523	2.80	$21,330
9012.09 (Los Angeles County)	$59,911	2.32	$21,330

Notes: 1 - Average household size is conservatively rounded up to the nearest person.
Source: US Census, 2018b; US Census, 2018c; HHS, 2019 (for references, see Section 7 of the Final EIS)

APPENDIX S

FARMLAND CONVERSION IMPACT RATING

U.S. Department of Agriculture

FARMLAND CONVERSION IMPACT RATING

PART I *(To be completed by Federal Agency)*	Date Of Land Evaluation Request 5/10/2019
Name of Project Tejon Indian Tribe Trust Acquistion Casi	Federal Agency Involved Bureau of Indian Affairs
Proposed Land Use Commercial, residential, agriculture	County and State Kern County, CA
PART II *(To be completed by NRCS)*	Date Request Received By NRCS 5/15/2019 — Person Completing Form: Luis Alvarez

Does the site contain Prime, Unique, Statewide or Local Important Farmland? *(If no, the FPPA does not apply - do not complete additional parts of this form)*	YES ☑ NO ☐	Acres Irrigated 729,956	Average Farm Size 1,202
Major Crop(s) Orchards, Cotton, Corn	Farmable Land In Govt. Jurisdiction Acres: 899,39[illegible]% 17	Amount of Farmland As Defined in FPPA Acres: 2,120,[illegible]% 41	
Name of Land Evaluation System Used CA Revised Storie Index	Name of State or Local Site Assessment System None	Date Land Evaluation Returned by NRCS 5/21/2019	

PART III *(To be completed by Federal Agency)*	Alternative Site Rating			
	Site A	Site B	Site C	Site D
A. Total Acres To Be Converted Directly	110	263	59	88
B. Total Acres To Be Converted Indirectly				
C. Total Acres In Site	110	263	59	88
PART IV *(To be completed by NRCS)* Land Evaluation Information				
A. Total Acres Prime And Unique Farmland	99	260	22	38
B. Total Acres Statewide Important or Local Important Farmland	3	3	36	50
C. Percentage Of Farmland in County Or Local Govt. Unit To Be Converted	0.004	0.012	0.003	0.004
D. Percentage Of Farmland in Govt. Jurisdiction With Same Or Higher Relative Value	10.48	10.48	6.33	6.33
PART V (To be completed by NRCS) Land Evaluation Criterion Relative Value of Farmland To Be Converted (Scale of 0 to 100 Points)	88	88	89	89

PART VI *(To be completed by Federal Agency)* Site Assessment Criteria *(Criteria are explained in 7 CFR 658.5 b. For Corridor project use form NRCS-CPA-106)*	**Maximum Points**	Site A	Site B	Site C	Site D
1. Area In Non-urban Use	(15)	14	14	15	15
2. Perimeter In Non-urban Use	(10)	10	10	10	10
3. Percent Of Site Being Farmed	(20)	20	20	20	20
4. Protection Provided By State and Local Government	(20)	20	20	20	20
5. Distance From Urban Built-up Area	(15)	0	0	5	5
6. Distance To Urban Support Services	(15)	0	0	5	5
7. Size Of Present Farm Unit Compared To Average	(10)	8	8	0	0
8. Creation Of Non-farmable Farmland	(10)	0	0	0	0
9. Availability Of Farm Support Services	(5)	5	5	5	5
10. On-Farm Investments	(20)	20	20	20	20
11. Effects Of Conversion On Farm Support Services	(10)	0	0	0	0
12. Compatibility With Existing Agricultural Use	(10)	4	4	7	7
TOTAL SITE ASSESSMENT POINTS	160	101	101	107	107
PART VII ***(To be completed by Federal Agency)***					
Relative Value Of Farmland *(From Part V)*	100	88	88	89	89
Total Site Assessment *(From Part VI above or local site assessment)*	160	101	101	107	107
TOTAL POINTS ***(Total of above 2 lines)***	260	189	189	196	196

Site Selected:	Date Of Selection	Was A Local Site Assessment Used? YES ☐ NO ☑

Reason For Selection:

Name of Federal agency representative completing this form:	Date:

(See Instructions on reverse side) **Form AD-1006 (03-02)**

STEPS IN THE PROCESSING THE FARMLAND AND CONVERSION IMPACT RATING FORM

Step 1 - Federal agencies (or Federally funded projects) involved in proposed projects that may convert farmland, as defined in the Farmland Protection Policy Act (FPPA) to nonagricultural uses, will initially complete Parts I and III of the form. For Corridor type projects, the Federal agency shall use form NRCS-CPA-106 in place of form AD-1006. The Land Evaluation and Site Assessment (LESA) process may also be accessed by visiting the FPPA website, http://fppa.nrcs.usda.gov/lesa/.

Step 2 - Originator (Federal Agency) will send one original copy of the form together with appropriate scaled maps indicating location(s)of project site(s), to the Natural Resources Conservation Service (NRCS) local Field Office or USDA Service Center and retain a copy for their files. (NRCS has offices in most counties in the U.S. The USDA Office Information Locator may be found at http://offices.usda.gov/scripts/ndISAPI.dll/oip_public/USA_map, or the offices can usually be found in the Phone Book under U.S. Government, Department of Agriculture. A list of field offices is available from the NRCS State Conservationist and State Office in each State.)

Step 3 - NRCS will, within 10 working days after receipt of the completed form, make a determination as to whether the site(s) of the proposed project contains prime, unique, statewide or local important farmland. (When a site visit or land evaluation system design is needed, NRCS will respond within 30 working days.

Step 4 - For sites where farmland covered by the FPPA will be converted by the proposed project, NRCS will complete Parts II, IV and V of the form.

Step 5 - NRCS will return the original copy of the form to the Federal agency involved in the project, and retain a file copy for NRCS records.

Step 6 - The Federal agency involved in the proposed project will complete Parts VI and VII of the form and return the form with the final selected site to the servicing NRCS office.

Step 7 - The Federal agency providing financial or technical assistance to the proposed project will make a determination as to whether the proposed conversion is consistent with the FPPA.

INSTRUCTIONS FOR COMPLETING THE FARMLAND CONVERSION IMPACT RATING FORM

(For Federal Agency)

Part I: When completing the "County and State" questions, list all the local governments that are responsible for local land use controls where site(s) are to be evaluated.

Part III: When completing item B (Total Acres To Be Converted Indirectly), include the following:

1. Acres not being directly converted but that would no longer be capable of being farmed after the conversion, because the conversion would restrict access to them or other major change in the ability to use the land for agriculture.
2. Acres planned to receive services from an infrastructure project as indicated in the project justification (e.g. highways, utilities planned build out capacity) that will cause a direct conversion.

Part VI: Do not complete Part VI using the standard format if a State or Local site assessment is used. With local and NRCS assistance, use the local Land Evaluation and Site Assessment (LESA).

1. Assign the maximum points for each site assessment criterion as shown in § 658.5(b) of CFR. In cases of corridor-type project such as transportation, power line and flood control, criteria #5 and #6 will not apply and will, be weighted zero, however, criterion #8 will be weighed a maximum of 25 points and criterion #11 a maximum of 25 points.

2. Federal agencies may assign relative weights among the 12 site assessment criteria other than those shown on the FPPA rule after submitting individual agency FPPA policy for review and comment to NRCS. In all cases where other weights are assigned, relative adjustments must be made to maintain the maximum total points at 160. For project sites where the total points equal or exceed 160, consider alternative actions, as appropriate, that could reduce adverse impacts (e.g. Alternative Sites, Modifications or Mitigation).

Part VII: In computing the "Total Site Assessment Points" where a State or local site assessment is used and the total maximum number of points is other than 160, convert the site assessment points to a base of 160.
Example: if the Site Assessment maximum is 200 points, and the alternative Site "A" is rated 180 points:

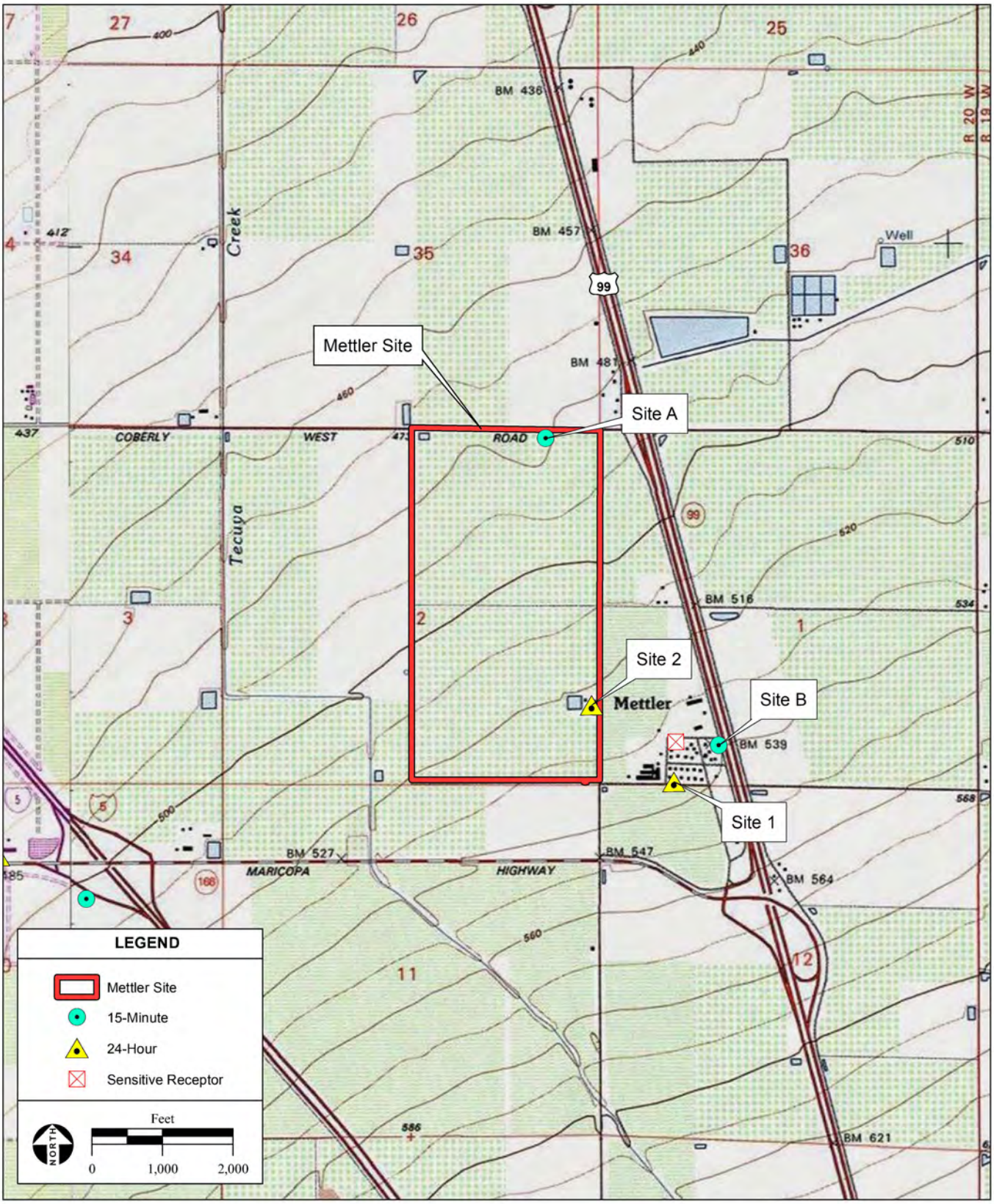
$$\frac{\text{Total points assigned Site A}}{\text{Maximum points possible}} = \frac{180}{200} \text{ X } 160 = 144 \text{ points for Site A}$$

For assistance in completing this form or FPPA process, contact the local NRCS Field Office or USDA Service Center.

NRCS employees, consult the FPPA Manual and/or policy for additional instructions to complete the AD-1006 form.

APPENDIX T

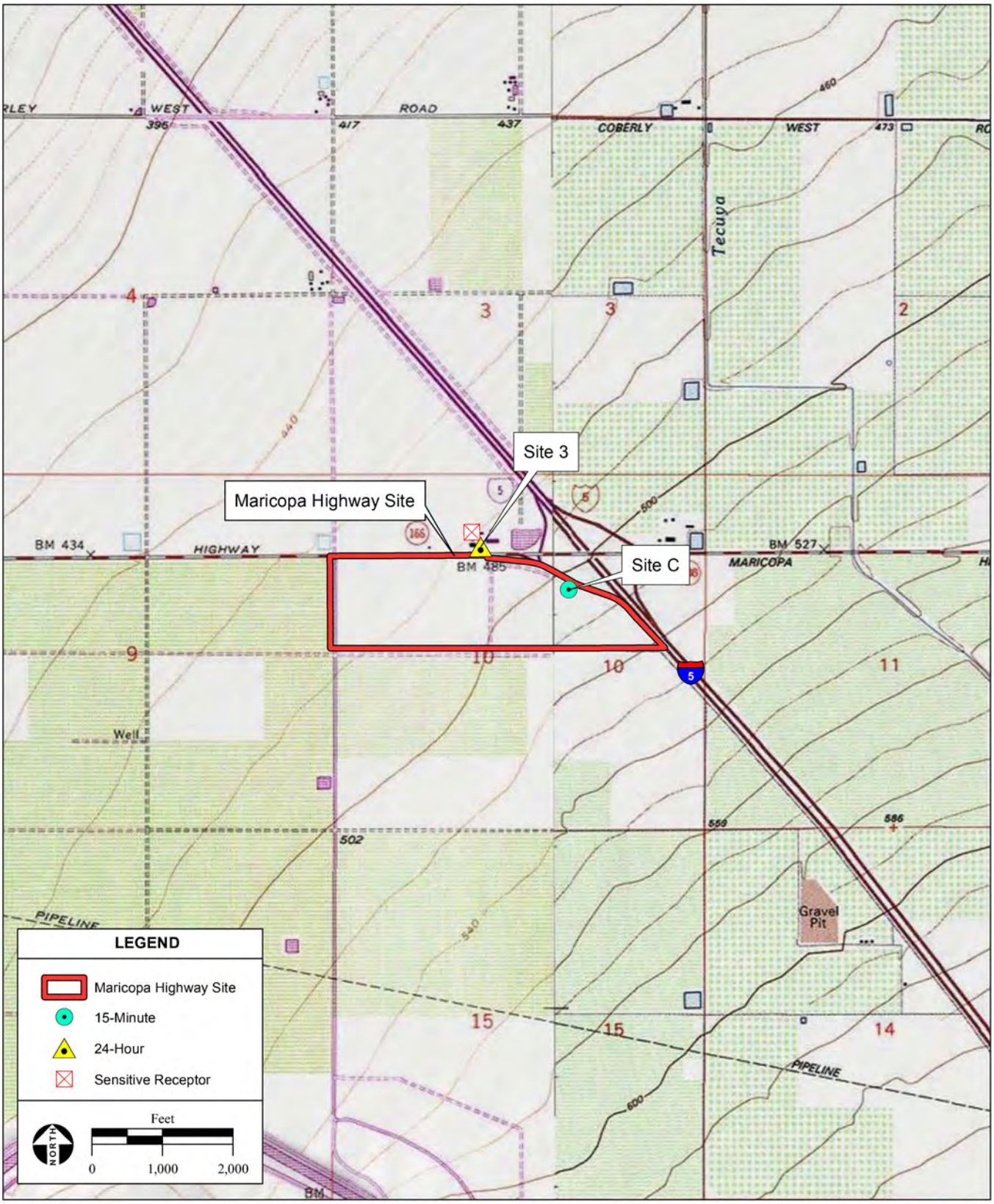
NOISE MEASUREMENT REPORTS



SOURCE: "Mettler, CA" USGS 7.5 Minute Topographic Quadrange, T11N R20W, Section 2, San Bernardino Baseline & Meridian; ESRI Data, 2013; AES, 5/10/2019

Figure 1

Noise Monitoring Sites – Mettler Site



SOURCE: "Coal Oil Canyon, CA" & "Mettler, CA" USGS 7.5 Minute Topographic Quadranges, T11N R20W, Section 10, San Bernardino Baseline & Meridian; Kern County GIS, 2017; ESRI, 2018; AES, 5/10/2019

Figure 2

Noise Monitoring Sites – Maricopa Highway Site

Tejon Casino Hotel Project
Noise Monitoring Site 1 - Mettler Site

Information Panel

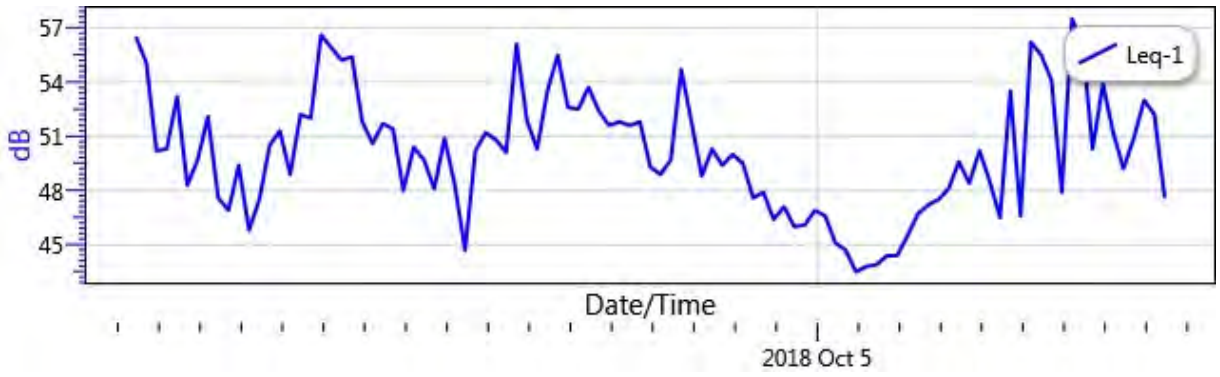
Name	S293_BGH060008_09102018_090344
Start Time	10/4/2018 7:11:39 AM
Stop Time	10/5/2018 8:32:09 AM
Device Name	BGH060008
Model Type	SoundPro DL
Device Firmware Rev	R.12L
Comments	
Run Time	1.01:20:30

Summary Data Panel

Description	Meter	Value	Description	Meter	Value
Leq	1	51.4 dB	CNEL	1	57.2 dB
LDN	1	56.9 dB	SEL	1	101 dB
Weighting	1	A	Response	1	SLOW
Criterion Time	1	8 hrs.			

Logged Data Chart

S293_BGH060008_09102018_090344: Logged Data Chart



Tejon Casino Hotel Project

Noise Monitoring Site 2 - Mettler Site

Information Panel

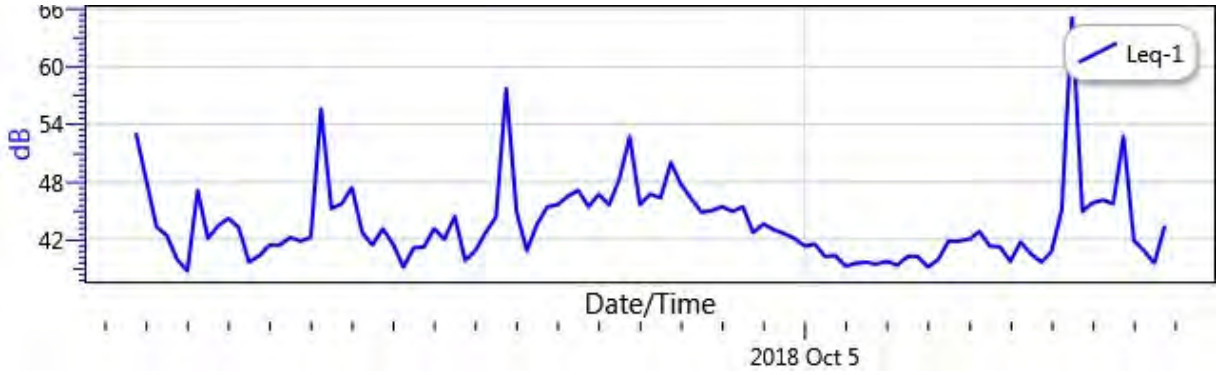
Name	S198_BGH060009_09102018_092352
Start Time	10/4/2018 7:29:36 AM
Stop Time	10/5/2018 8:53:59 AM
Device Name	BGH060009
Model Type	SoundPro DL
Device Firmware Rev	R.13H
Comments	

Summary Data Panel

Description	Meter	Value	Description	Meter	Value
Leq	1	48.4 dB	LDN	1	56 dB
CNEL	1	56.2 dB	SEL	1	98 dB
Weighting	1	A	Response	1	SLOW
Criterion Time	1	8 hrs.			

Logged Data Chart

S198_BGH060009_09102018_092352: Logged Data Chart



Tejon Casino Hotel Project

Noise Monitoring Site 3 - Maricopa Site

Information Panel

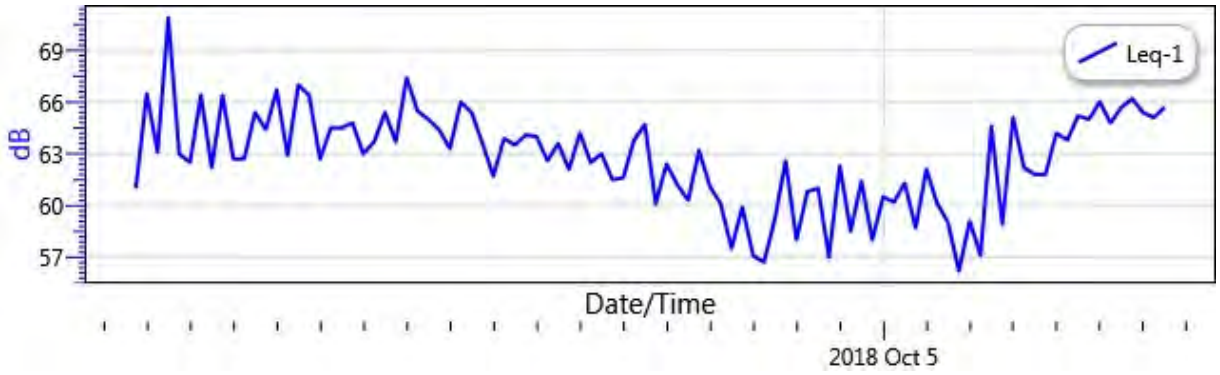
Name	S278_BGH060007_09102018_095717
Start Time	10/4/2018 6:29:10 AM
Stop Time	10/5/2018 6:30:11 AM
Device Name	BGH060007
Model Type	SoundPro DL
Device Firmware Rev	R.13D
Comments	

Summary Data Panel

Description	Meter	Value	Description	Meter	Value
Leq	1	63.5 dB	CNEL	1	69.6 dB
LDN	1	69.5 dB	SEL	1	112.9 dB
Weighting	1	A	Response	1	SLOW
Criterion Time	1	8 hrs.			

Logged Data Chart

S278_BGH060007_09102018_095717: Logged Data Chart



Tejon Casino Hotel Project

Noise Monitoring site A - Mettler Site

Information Panel

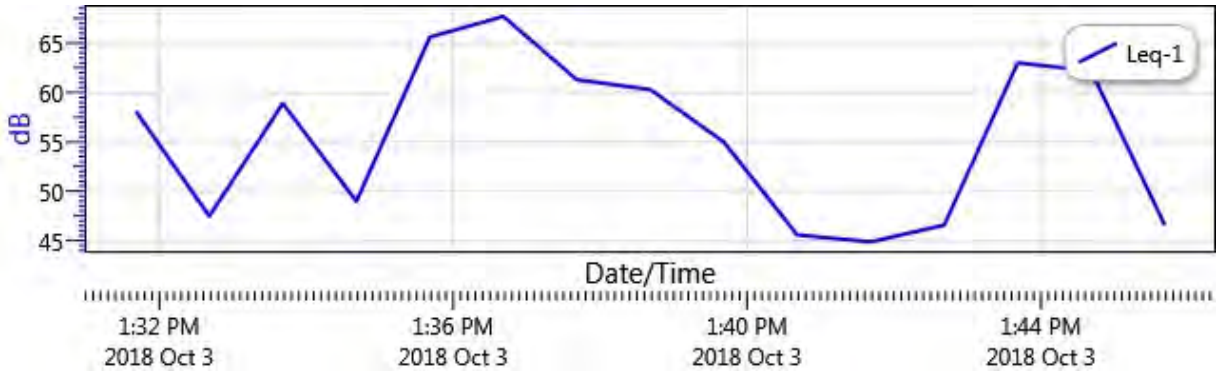
Name	Tejon Noise Monitoring Site A
Start Time	10/3/2018 1:30:41 PM
Stop Time	10/3/2018 1:45:48 PM
Device Name	BGH060009
Model Type	SoundPro DL
Device Firmware Rev	R.13H
Comments	

Summary Data Panel

Description	Meter	Value	Description	Meter	Value
Leq	1	60.6 dB	CNEL	1	60.6 dB
LDN	1	60.6 dB	SEL	1	90.2 dB
Weighting	1	A	Response	1	SLOW
Criterion Time	1	8 hrs.			

Logged Data Chart

Tejon Noise Monitoring Site A: Logged Data Chart



Tejon Casino Hotel Project

Noise Monitoring site B - Mettler Site

Information Panel

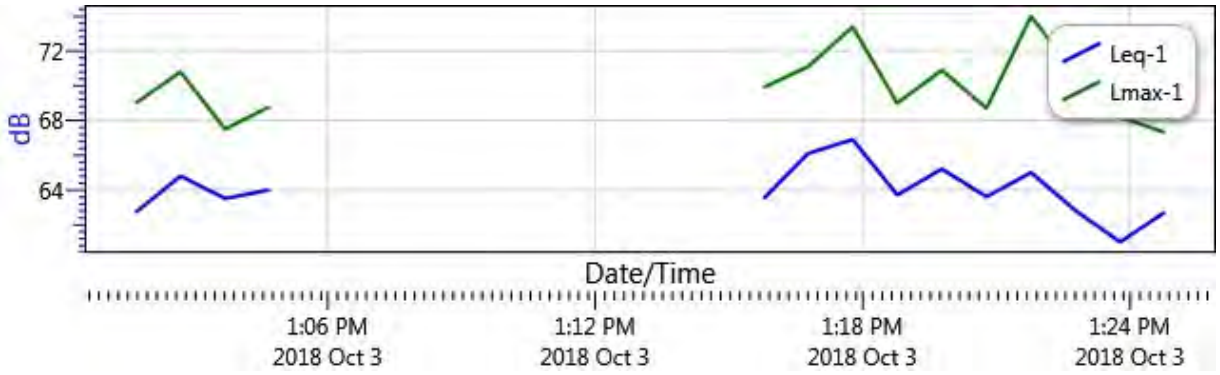
Name	S196_BGH060009_09102018_092350
Start Time	10/3/2018 1:00:42 PM
Stop Time	10/3/2018 1:25:40 PM
Device Name	BGH060009
Model Type	SoundPro DL
Device Firmware Rev	R.13H
Comments	

Summary Data Panel

Description	Meter	Value	Description	Meter	Value
Leq	1	64.2 dB	CNEL	1	64.2 dB
LDN	1	64.2 dB	SEL	1	93.8 dB
Weighting	1	A	Response	1	SLOW
Criterion Time	1	8 hrs.			

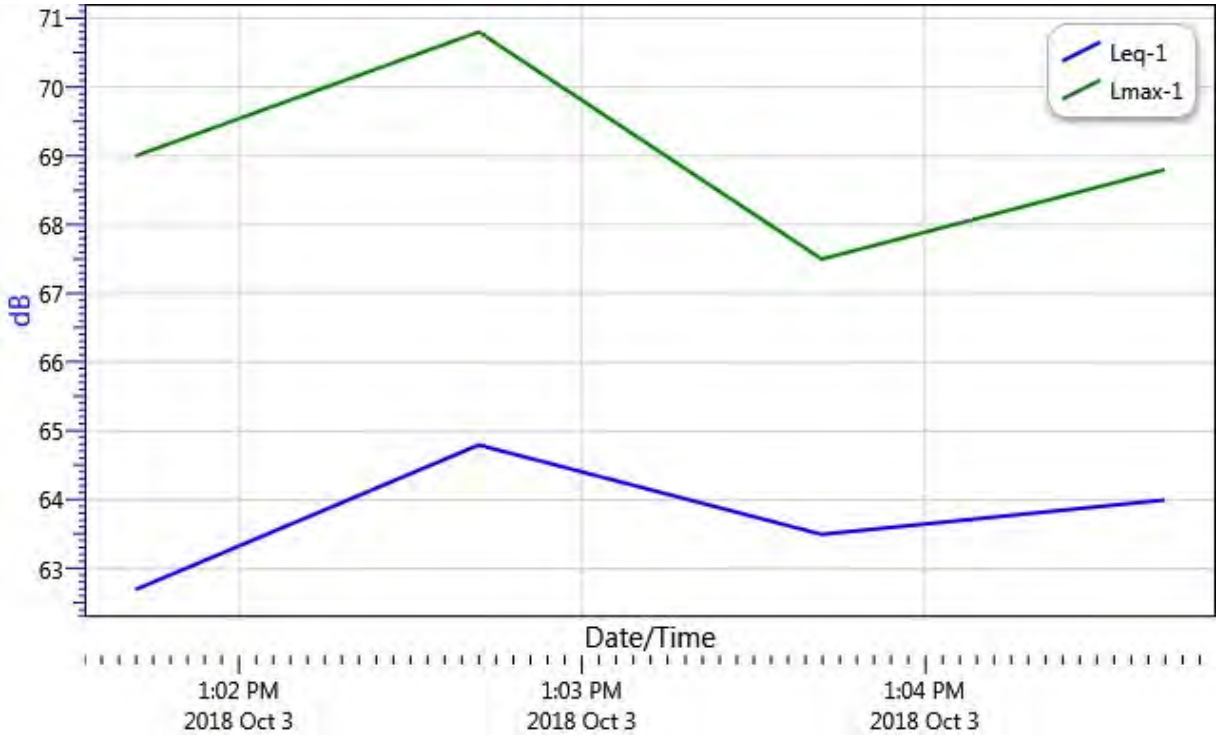
Logged Data Chart

S196_BGH060009_09102018_092350: Logged Data Chart



Logged Data Chart

Study 1: Logged Data Chart



Summary Data Panel

Description	Meter	Value	Description	Meter	Value
CNEL	1	63.7 dB	Leq	1	63.7 dB
SEL	1	87.8 dB	LDN	1	63.7 dB
Weighting	1	A	Response	1	SLOW
Criterion Time	1	8 hrs.			

Tejon Casino Hotel Project

Noise Monitoring Site C - Maricopa Highway Site

Information Panel

Name	S195_BGH060009_09102018_092349
Start Time	10/3/2018 12:37:13 PM
Stop Time	10/3/2018 12:52:19 PM
Device Name	BGH060009
Model Type	SoundPro DL
Device Firmware Rev	R.13H
Comments	

Summary Data Panel

Description	Meter	Value	Description	Meter	Value
Leq	1	56.1 dB	CNEL	1	56.1 dB
LDN	1	56.1 dB	SEL	1	85.7 dB
Weighting	1	A	Response	1	SLOW
Criterion Time	1	8 hrs.			

Logged Data Chart

S195_BGH060009_09102018_092349: Logged Data Chart

APPENDIX U

METTLER SITE PHASE I AND MARICOPA HIGHWAY SITE EDR REPORT RESULTS

METTLER SITE – PHASE I

PHASE 1 ENVIRONMENTAL SITE ASSESSMENT

TEJON METTLER SITE PROPERTY
KERN COUNTY, CALIFORNIA

OCTOBER 2019

PREPARED FOR:

U.S. Department of the Interior,
Bureau of Indian Affairs
Pacific Region Office
2800 Cottage Way # W2820
Sacramento, CA 95825

PREPARED BY:

Analytical Environmental Services
1801 7th Street, Suite 100
Sacramento, CA 95811
(916) 447-3479
www.analyticalcorp.com

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SECTION 1.0

INTRODUCTION

1.1 PURPOSE

This Phase I Environmental Site Assessment (Phase I ESA) has been prepared in conformance with the Bureau of Indian Affairs (BIA) guidelines (602 DM Chapter 2) and the American Society for Testing and Materials (ASTM) Standard Practice E 1527-13, which specifies the appropriate inquiry requirement for the innocent landowner defense under the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) (ASTM, 2013). This Phase I ESA encompasses the approximately 305.82-acre property in Kern County, California, referred to as "Mettler Property" and described in **Section 2.0**. As such, the use of the term "Subject Property" refers to Mettler Property, unless otherwise stated. The purpose of this assessment is to identify Recognized Environmental Conditions (RECs) which may affect future uses of the Subject Property.

This Phase I ESA covers the Subject Property and surrounding known sources of contamination, up to a 1.0-mile radius from the Subject Property. A site reconnaissance inspection of the Subject Property, as well as a visual reconnaissance inspection of adjacent properties, was performed and relevant regulatory agency database listings of hazardous materials sites, waste generators, and underground storage tanks (USTs) were reviewed (**Appendix A**). Additionally, historical aerial photographs (**Appendix B**) and historical topographic maps (**Appendix C**) of the Subject Property were reviewed.

1.2 RECOGNIZED ENVIRONMENTAL CONDITIONS

The term REC refers to the presence or likely presence of any hazardous substances or petroleum products on a property under conditions that indicate an existing release, a past release, or a material threat of release of any hazardous substances or petroleum products within a property into structures or into the ground, groundwater, or surface water. The term REC is not intended to include de minimis conditions that generally do not present a material risk of harm to public health or the environment and that generally would not be the subject of an enforcement action if brought to the attention of appropriate governmental agencies. Additionally, the term Historical Recognized Environmental Conditions (HREC) refers to an environmental condition associated with a property, including a past release of any hazardous substance or petroleum product that has since been remediated, which in the past would have been considered a REC; and the term Controlled Recognized Environmental Conditions (CREC) refers to hazardous substance releases that have been partially addressed through remediation but where some contamination remains in place under certain risk-based restrictions or conditions. HRECs and CRECs are included in this Phase I ESA (ASTM, 2013).

1.3 LIMITATIONS AND EXCEPTIONS

No Phase I ESA can completely eliminate uncertainty regarding the potential for RECs in connection with a property, nor can it eliminate future hazards. Conformance of this Phase I ESA with ASTM Standard Practice E 1527-13 will reduce, but not eliminate, uncertainty regarding the potential for RECs in

connection with the Subject Property. While every effort has been made to discover and interpret available historic and current information regarding the Subject Property within the time available, the possibility of undiscovered contamination remains. This Phase I ESA is a best-effort collection and interpretation of available information prepared consistent with the industry standards for completion of a Phase I ESA.

This Phase I ESA is based on a site reconnaissance inspection of the Subject Property, a visual reconnaissance inspection of adjacent properties, searches of regulatory agency databases, and interviews with individuals familiar with historic and current uses of the Subject Property. Physical testing of soil or groundwater is not within the scope of this Phase I ESA. Asbestos containing building materials and lead-based paint surveys are also not included. Information was obtained for this Phase I ESA to comply with current ASTM guidelines.

1.4 METHODOLOGY

A variety of data sources were consulted in completing this Phase I ESA. The following subsections describe the methods used and the data sources consulted to accomplish each task.

1.4.1 HISTORICAL REVIEW

Historical review of the Subject Property was researched in an effort to identify RECs within and in the vicinity of the Subject Property. Historical aerial photographs (**Appendix B**) and historical topographic maps (**Appendix C**) were examined for the presence of aboveground storage tanks (ASTs), industrial buildings, gas station canopies and/or pump islands, and other indications of bulk hazardous material storage within the Subject Property. Sanborn Fire Insurance Maps document historical uses of a property through abbreviations and map symbols that identify commercial, residential, industrial, and other land uses. The Subject Property is unmapped through the Sanborn Library and certification that the Subject Property is unmapped is provided in **Appendix D**. A City Directory was consulted to ascertain previous land uses within and in the vicinity of the Subject Property (**Appendix E**).

1.4.2 REGULATORY AGENCY DATABASE SEARCHES

Regulatory agency database searches were conducted for records of known storage tank sites and known sites of hazardous materials generation, storage, and/or release on the property. Available records from federal, state, and local agency lists consist of the following: (a) known or potential hazardous waste sites and landfills; (b) sites currently under investigation for environmental violations; (c) sites which manufacture, generate, use, store, and/or dispose of hazardous materials or hazardous wastes; (d) sites which have USTs and/or ASTs; and (e) sites with recorded violations of regulations concerning USTs and hazardous materials/hazardous wastes. The purpose of regulatory agency database searches is to identify facilities that may have the potential to affect surface and subsurface conditions within the Subject Property. A listing of sites within and in the vicinity of the Subject Property is provided in **Appendix A**.

1.4.3 SITE RECONNAISSANCE

Bibiana Alvarez, Charlane Gross, and David Zweig of AES conducted a site reconnaissance inspection of the Subject Property and a visual reconnaissance of adjacent properties on October 6, 2019, October 4,

2018, and December 4, 2017, respectively. The purpose of a site reconnaissance inspection is to examine the Subject Property for obvious physical indications of improper hazardous substance or evidence of petrochemical disposal, such as stained soil, stressed vegetation, sumps, partially buried drums, bulk underground and aboveground fuel storage tanks, and other obvious signs of hazardous materials involvement. Adjacent properties were visually inspected to the extent possible without trespassing on private property to determine if current land uses would affect the planned uses of Subject Property.

1.5 DEVIATIONS AND DATA GAPS

ASTM Standard Practice E 1527-13 requires any significant data gaps, deviations, and deletions from the ASTM Standard to be identified and addressed in a Phase I ESA. A significant data gap would be one that affected the ability to identify a REC within the Subject Property or adjacent properties.

Due to the location of the Subject Property, Sanborn Fire Insurance Maps were not available for the Subject Property. However, historical aerial photographs and historical topographic maps were available for review of previous uses of the Subject Property. Thus, the lack of Sanborn Fire Insurance Maps is not considered a significant data gap for this Phase I ESA.

1.6 CREDENTIALS

Emily Schoenborn prepared this report under the professional supervision of David Zweig, P.E., who qualifies as an environmental professional (EP) as defined in ASTM Standard E 1527-13. Resumes for Emily Schoenborn and David Zweig are included as **Appendix F**.

SECTION 2.0

SITE DESCRIPTION

2.1 LOCATION AND LEGAL DESCRIPTION

The Subject Property is located in unincorporated Kern County, California, west of the town of Mettler as shown in **Figures 1** and **2**. An aerial photograph of the Subject Property with parcel boundaries is provided as **Figure 3**. The Subject Property consists of four parcels [Kern County Assessor's Parcel Numbers (APNs) 238-204-02, -04, -07, and -14] totaling approximately 305.82 acres (Kern County GIS, 2019).

2.2 SITE AND VICINITY CHARACTERISTICS

The Subject Property consists of cultivated agricultural fields, a single residence, and agricultural storage buildings. The Subject Property is located west of and downgradient from the Town of Mettler. The Subject Property is relatively flat and located at approximately 494 feet above mean sea level (amsl).

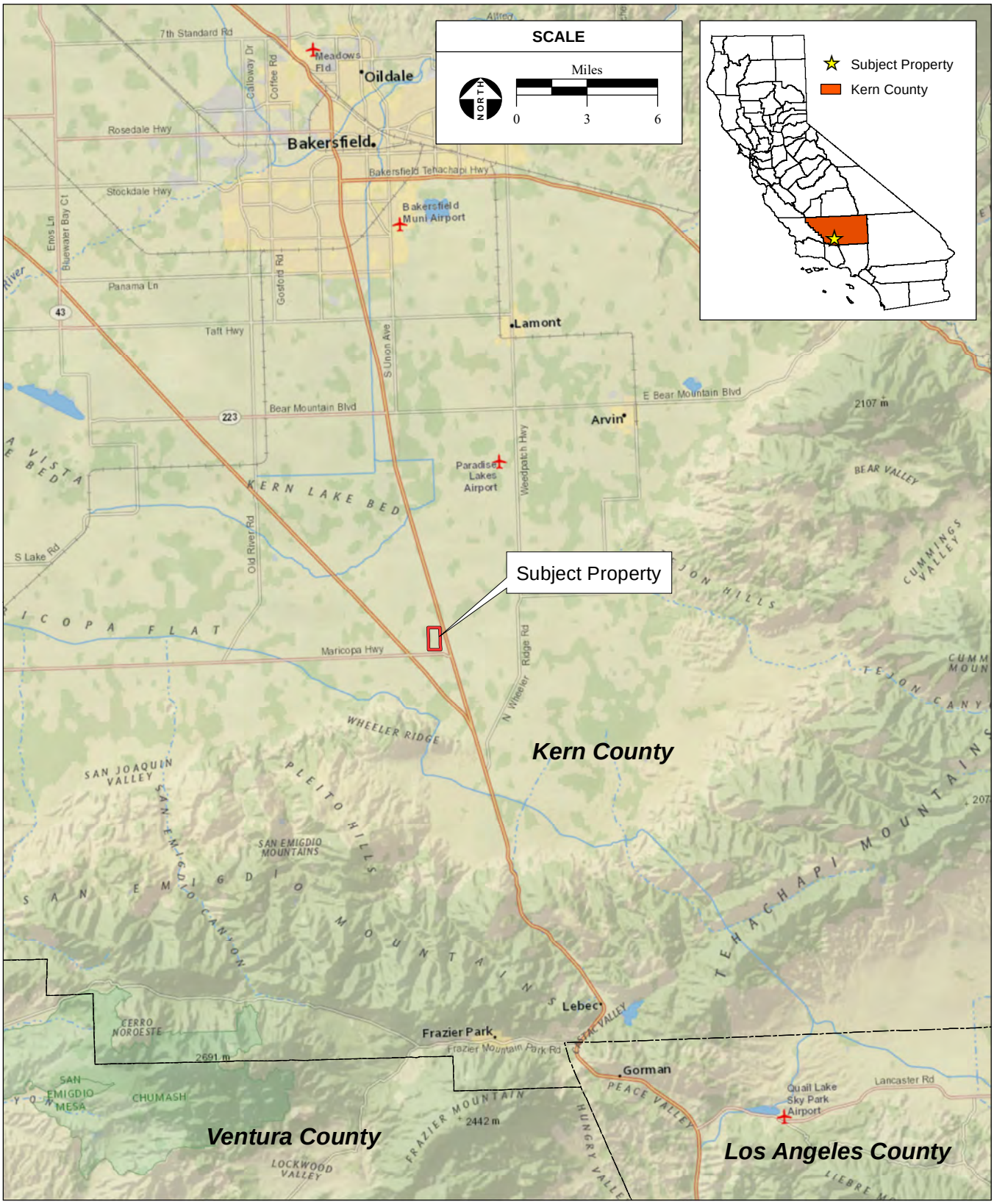
Regional access to the Subject Property is provided by State Route 99 (CA-99), which is located approximately 770 feet east of the Subject Property and runs in a north-south direction and Interstate 5 (I-5), which is located approximately 1.38 miles west of the Subject property and runs in a northwest-southeast direction. Additional regional access is provided by California Highway 166, which is located approximately 1,100 feet south of the Subject Property and runs in a west to east direction. Local access to the Subject Property is provided by Wild Flower Street, which is located immediately south of the Subject Property and runs in an east-west direction. Additional local access to the Subject Property is provided by Valpredo Avenue, which is located immediately north of the Subject Property and runs in an east-west direction (**Figure 3**).

2.3 ENVIRONMENTAL RECORDS SOURCES

This section summarizes sources of environmental records in which the Subject Property is located. These sufficiently useful, accurate, and complete sources of environmental records pertaining to the Subject Property were reasonably ascertainable and were obtained pursuant to good commercial and customary practices.

2.3.1 FEDERAL, STATE, AND LOCAL ENVIRONMENTAL AGENCIES

The Environmental Database Research, Inc. (EDR) radius map report (**Appendix A**), the State of California's State Water Resources Control Board (SWRCB) GeoTracker database (GeoTracker), and the California Department of Toxic Substances Control (DTSC) EnviroStor database (EnviroStor) provided search and documentation of local hazardous materials data.

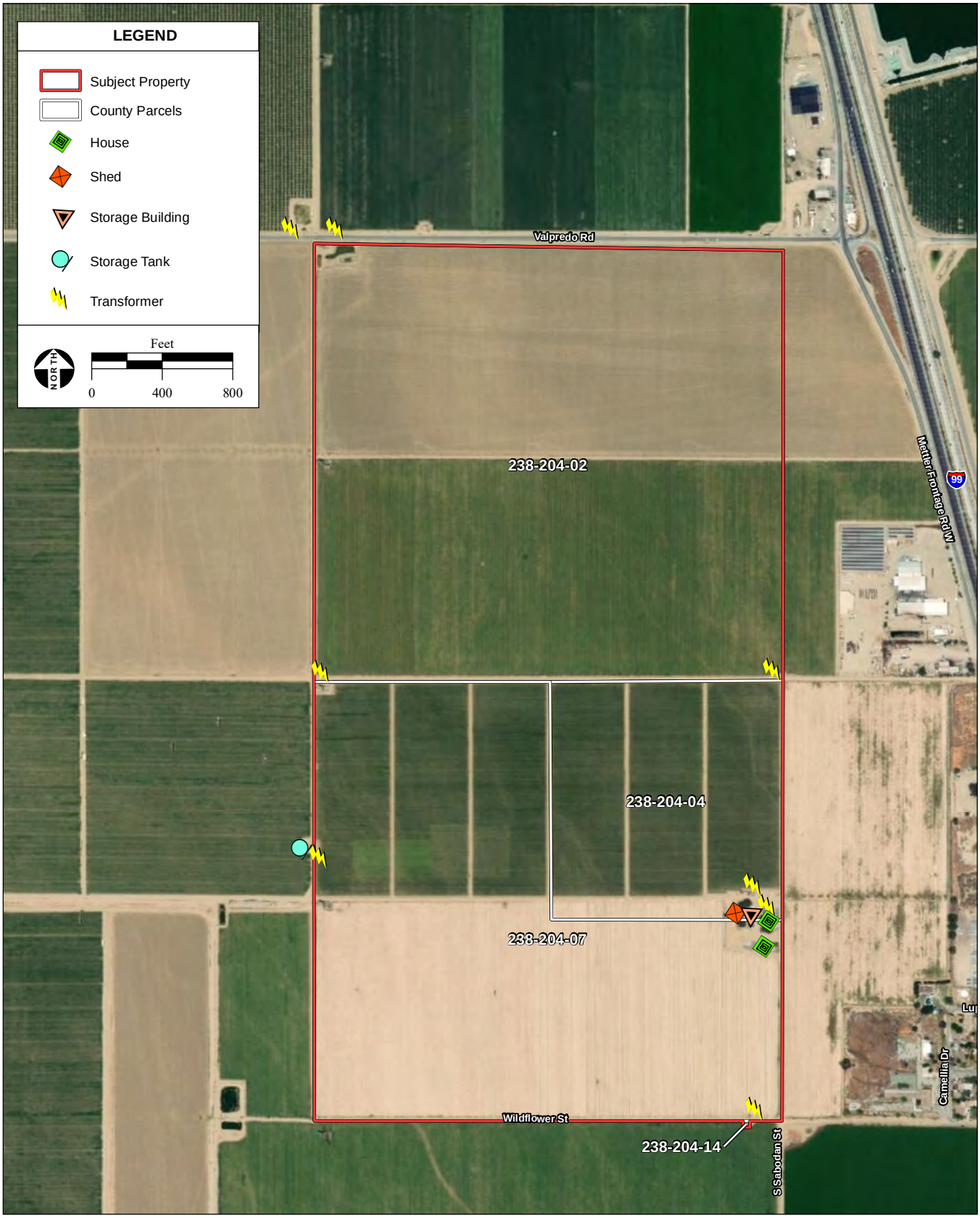


SOURCE: NatGeo 2019; AES, 9/3/2019

Figure 1
Regional Location

SOURCE: "Mettler, CA" USGS 7.5 Minute Topographic Quadrange, T11N, R20W, Section 2, San Bernardino Baseline & Meridian; ESRI Data, 2013; AES, 9/3/2019

Figure 2
Site and Vicinity



SOURCE: Kern County, 2016; DigitalGlobe aerial photograph, 7/1/2018; AES, 10/10/2019

Figure 3

Aerial Photograph and Site Reconnaissance Inspection Findings

2.3.2 COUNTY PLANNING DIVISION

Land use and zoning designations of the Subject Property were reviewed through information provided by the County. The Subject Property has a land use designation of intensive agriculture land use and is zoned A-1, Limited Agriculture (Kern County, 2017). The Subject Property is not under a Williamson Act contract (Department of Conservation, 2014).

2.3.3 ELECTRIC AND GAS UTILITIES COMPANY

Pacific Gas and Electric (PG&E) provides electrical utilities in the vicinity of the Subject Property (California Energy Commission, 2015). No overhead or pad transformers are located within the Subject Property. Two overhead electrical utility lines run in a north-south direction along the western boundary of the Subject Property, while one overhead electrical utility line runs north-south along the eastern boundary of the Subject Property. Southern California Gas (SoCalGas) provides natural gas in the vicinity of the Subject Property. The closest existing SoCalGas transmission line is a high-pressure distribution line that terminates near the intersection of Sabodan Street and Maricopa Highway (Highway 166), approximately 0.2 miles south of the Subject Property (SoCalGas, 2018). No existing natural gas service lines connect to the Subject Property.

2.4 HYDROLOGY

The Subject Property is within the Tecuya Creek-Frontal Kern Lake Bed, the South Valley Floor Hydrologic Unit and Arvin-Wheeler Ridge Hydrologic Area (Caltrans, 2019). Three agricultural stock ponds are located in the northwest corner of the Subject Property, and a drainage ditch along the west perimeter of the Subject Property directs surface and floodwaters to the agricultural ponds.

2.5 GEOLOGY AND SOIL

The rock stratigraphic unit of the Subject Property is of the Cenozoic era, Quaternary system, and Quaternary series (**Appendix A**). The dominant soil within the Subject Property is Cerini loam, 0 to 2 percent slopes. It is formed within alluvium and is comprised of clay loam, silt loam, fine sandy loam, and sandy loam to a depth of 62 inches. This well drained soil has a low, water table and a moderately high to high infiltration rate (NRCS, 2019). At least 20 faults occur within the vicinity of the Subject Property (USGS, 2017). Most of these faults are considered small, historical (occurring within the last 150 years), and active. The closest fault is located approximately 240 feet from the southern boundary of the Subject Property. This fault is classified as quaternary and active within the last 1.6 million years (CGS, 2018), which indicates that it is potentially active.

2.6 CURRENT USES OF THE SUBJECT PROPERTY

The Subject Property is currently used for agriculture with supporting residential and storage structures. Site photographs depicting the Subject Property during the site visit are shown in **Figure 4** of **Section 3.0** below.

2.7 HISTORIC USES OF THE SUBJECT PROPERTY

2.7.1 AERIAL PHOTOGRAPHS

Aerial photographs (**Appendix B**) were reviewed for information regarding historic and current uses within and in the vicinity of the Subject Property. The following aerial photographs were available for review at a scale of 1" = 750': 1937, 1942, 1952, 1956, 1968, 1973, 1984, 1992, 2006, 2009, 2012, and 2016. Aerial photographs were of varying clarity. From the first available aerial in 1937, the Subject Property and surrounding land uses appear to be undeveloped open space with Tecuya Creek visible to the west of the Subject Property. In the 1952 aerial there is one visible building in the northeast portion of the APN 238-204-07 parcel, the Town of Mettler is first visible, and Tecuya Creek has been channelized within agricultural fields. Agricultural fields and the Town of Mettler are visible in the areas surrounding the Subject Property on the 1952, 1956, 1968, 1973, 1984, 1992, 2006, 2009, 2012, and 2016 aerials.

2.7.2 TOPOGRAPHIC MAPS

United States Geological Survey (USGS) topographic maps (**Appendix C**) were reviewed for information regarding historic and current uses within and in the vicinity of the Subject Property. The 1950, 1955, 1968, 1973, and 2012 Coal Oil Canyon, the 1950, 1955, 1968, 1973, 1995, and 2012 Mettler, the 1914 and 1941 Caliente, the 1931 and 1934 West of Tejon Hills, and the 1912 Buena Vista Lake topographic quadrangles were available for review. Topographic maps were of varying clarity. From the first available topographic map in 1912/1914, the Subject Property and surrounding land uses appear to be undeveloped open space. The CA-99 is visible east of the Subject Property on the 1912/1914 topographic map and the I-5 is visible in the 1968 topographic map. Tecuya Creek is visible in the 1931 topographic map and in the 1968 topographic map a levee along the southern side of the creek is visible. In the 1955 topographic map, the Town of Mettler and State Route 166 (SR-166) are first visible. Agriculture development in the vicinity of the Subject Property appears in the 1973 topographic map. In the 1995 topographic map, agriculture covers the entire Subject Property and becomes more prevalent in the surrounding properties.

2.8 SANBORN FIRE INSURANCE MAPS

The Subject Property is unmapped through the Sanborn Library (**Appendix D**).

2.9 OTHER PHYSICAL SETTING SOURCES

2.9.1 WETLANDS MAP

There is a man-made agricultural ditch that runs along a majority of the west boundary of the Subject Property. Additionally, there are three agricultural ponds in the northwest corner of APN 238-204-02 parcel. A map depicting the agricultural ditch and three agriculture ponds is included in **Appendix I**.

2.9.2 FEDERAL EMERGENCY MANAGEMENT AGENCY FLOOD INSURANCE RATE MAP

The Subject Property is located within Flood Zone A, which is identified by the Federal Emergency Management Agency (FEMA) as an area determined to be a special flood hazard area without base flood elevation. A copy of the FEMA Flood Insurance Rate Map (FIRM) is included in **Appendix G**.

SECTION 3.0

SITE RECONNAISSANCE AND INTERVIEWS

3.1 OBJECTIVE

The objective of the site reconnaissance is to identify current or historic hazardous materials involvement within or in the vicinity of the Subject Property. Hazardous materials involvement or signature environmental conditions include the presence or likely presence of any hazardous materials or petroleum products that indicate an existing release, past release, or a threat of release into any structure on the property, soil, or groundwater. Signs of possible hazardous materials involvement would include any indications of USTs existing on the Subject Property; stained soils and/or unusual odors originating from the Subject Property; indications of any excavation or removal of soils, including patched asphalt and large debris piles; and other obvious signs of hazardous materials involvement.

3.2 FINDINGS

Bibiana Alvarez, Charlane Gross, and David Zweig of AES conducted a site reconnaissance inspection of the Subject Property and a visual reconnaissance of adjacent properties on October 6, 2019, October 4, 2018, and December 4, 2017, respectively. Adjacent properties were visually observed to the extent possible without trespassing. **Figure 4** and **Figure 5** provide photographs of the site conditions at the time of the latest site visit. Notable features and environmental conditions are summarized below:

- As shown in **Figure 3**, two vacant houses, a vacant storage building, and a vacant shed are located on the southeast portion of the APN 238-204-04 parcel and the northeast portion of the 238-204-07 parcel of the Subject Property (**Figure 4**, **Photos 1, 2,** and **3**).
- Two dumpsters with trash bags and furniture are located on the southeast portion of the APN 238-204-04 parcel and the northeast portion of the 238-204-07 parcel of the Subject Property (**Figure 4**, **Photo 4**).
- Along the west side of the APN 238-204-07 parcel of the Subject Property are powerlines and a transformer. Across the unpaved road from the Subject Property is a storage tank with agricultural chemicals (**Figure 4**, **Photo 5**).
- Agriculture equipment including a tractor and irrigation piping are located on the southeast portion of the APN 238-204-04 parcel and the northeast portion of the 238-204-07 parcel of the Subject Property (**Figure 5**, **Photo 6**).
- As shown in **Figure 3**, there are 8 transformers and associated powerlines on the Subject Property (**Figure 5**, **Photo 7**). None of the transformers show signs of leakage.
- The Subject Property is predominately cultivated agriculture fields (**Figure 5**, **Photos 8** and **9**).
- No indications of hazardous materials releases were observed within the Subject Property.

PHOTO 1

PHOTO 2

PHOTO 3

PHOTO 4

PHOTO 5

SOURCE: AES, 10/10/2019

Figure 4
Site Photographs

PHOTO 6

PHOTO 7

PHOTO 8

PHOTO 9

SOURCE: AES, 10/10/2019

Figure 5
Site Photographs

3.3 ADJACENT PROPERTIES

A survey of adjacent properties was performed to the extent possible without trespassing during the October 6, 2019 site visit. The purpose was to identify land uses of adjacent properties and determine if the current land use of the adjacent properties would affect the current and/or future planned use of the Subject Property. Adjacent land uses are described below.

- North: Agriculture land
- South: Agriculture land
- West: Agriculture land
- East: Agriculture land

3.4 INTERVIEWS AND QUESTIONNAIRES

Copies of the standard client and property owner questionnaires are included in **Appendix H**.

SECTION 4.0

RECORDS REVIEW

4.1 REGUALTORY AGENCY DATABASE SEARCHES

The regulatory agency database search was conducted by EDR, a computerized search firm that uses a geographic information system to plot locations of known storage tank sites and known sites of hazardous materials generation, storage, and/or contamination up to a 1.0-mile radius from a point roughly equivalent to the center of the Subject Property. Although a site may be listed within a regulatory agency database search, the listed site may not currently be contaminated or affect the environmental quality of the Subject Property and therefore be considered a REC. The regulatory agency database search is only as accurate as the data and date the data entered into the regulatory agency-maintained database was last updated. If not reported to the appropriate regulatory agency, installation of USTs or hazardous materials releases would not be listed on the regulatory agency databases searched. The complete list of reviewed regulatory agency databases is provided in the Map Finding Summary section of the EDR radius map report included as **Appendix A** and is summarized in **Table 4-1**. In addition, the information on past and/or current hazardous material involvement relating to adjacent properties is summarized in **Section 4.2.2**.

TABLE 4-1

ENVIRONMENTAL DATA RESOURCES (EDR) SUMMARY OF AGENCY DATABASES

REGULATORY AGENCY DATABASE	MINIMUM SEARCH DISTANCE	PROPERTY LISTED	SITES LISTED
United States Environmental Protection Agency (USEPA) National Priorities List (NPL)	1.00 mile	No	0
USEPA Proposed NPL	1.00 mile	No	0
USEPA NPL Liens	TP	No	0
USEPA Delisted NPL	1.00 mile	No	0
USEPA Comprehensive Environmental Response, Compensation, and Liability Information System (CERCLIS) Federal Facility	0.50 mile	No	0
USEPA CERCLIS Superfund Enterprise Management System (SEMS)	0.50 mile	No	0
USEPA CERCLIS No Further Remedial Action Planned (NFRAP) SEMS – Archive	0.50 mile	No	0
USEPA Resource Conservation and Recovery Act (RCRA) Corrective Action Reports (CORRACTS)	1.00 mile	No	0
USEPA RCRA non-CORRACTS Treatment, Storage, and Disposal Facilities (TSDF)	0.50 mile	No	0
USEPA RCRA Large Quantity Generators (LQG)	0.25 mile	No	0
USEPA RCRA Small Quantity Generators (SQG)	0.25 mile	No	0

REGULATORY AGENCY DATABASE	MINIMUM SEARCH DISTANCE	PROPERTY LISTED	SITES LISTED
USEPA RCRA Conditionally Exempt Small Quantity Generators (CESQG)	0.25 mile	No	0
USEPA Land Use Control Information System (LUCIS)	0.50 mile	No	0
USEPA Engineering Controls Sites List (US ENG CONTROLS)	0.50 mile	No	0
USEPA Institutional Controls Sites List (US INST CONTROL)	0.50 mile	No	0
United States Coast Guard (USCG) Emergency Response Notification System (ERNS)	TP	No	0
California Department of Toxic Substance and Control (DTSC) Response Sites (RESPONSE)	1.00 mile	No	0
EnviroStor (ENVIROSTOR)	1.00 mile	No	2
CA State Waste Facility/Landfill (SWF/LF)	0.50 mile	No	0
CA Leaking Underground Storage Tanks (LUST)	0.50 mile	No	3
Indian LUST	0.50 mile	No	0
CPS SLIC	0.50 mile	No	1
Federal Emergency Management Agency (FEMA) Underground Storage Tank (UST)	0.25 mile	No	0
CA UST	0.25 mile	No	2
CA Aboveground Storage Tank (AST)	0.25 mile	No	3
Indian UST	0.25 mile	No	0
Indian Voluntary Cleanup Program (VCP)	0.50 mile	No	0
CA VCP	0.50 mile	No	0
CA Brownfields	0.50 mile	No	0
USEPA Brownfields	0.50 mile	No	0
CA Waste Management Unit Database (WMUDS/SWAT)	0.50 mile	No	0
CA State Recycling Facilities (SWRCY)	0.50 mile	No	0
CA Registered Waste Tire Haulers Listing (HAULERS)	TP	No	0
Indian Open Dump Inventory (ODI)	0.50 mile	No	0
USEPA Debris Region 9	0.50 mile	No	0
USEPA ODI	0.50 mile	No	0
IHS Open Dumps	0.50 mile	No	0
US Historic Clandestine Laboratory (US HIST CDL)	TP	No	0
CA Historical Calsites Database (HIST Cal-Sites)	1.00 mile	No	0
CA School Property Evaluation Program (SCH)	0.25 mile	No	0
CA CDL	TP	No	0
Toxic Pit Cleanup Act Sites (Toxic Pits)	1.00 mile	No	0

REGULATORY AGENCY DATABASE	MINIMUM SEARCH DISTANCE	PROPERTY LISTED	SITES LISTED
US CDL	TP	No	0
CA State Water Resources Control Board (SWRCB) Underground Storage Tank Division Registered UST List (SWEEPS UST)	0.25 mile	No	1
CA Historical Registered UST (HIST UST)	0.25 mile	No	0
CA Facility Inventory Database (FID UST)	0.25 mile	No	0
CERS HAZ WASTE	0.25 mile	No	2
CERS TANKS	0.25 mile	No	1
CERCLA LIENS	TP	No	0
CERCLA LIENS 2	TP	No	0
California Deed Restriction Listing (DEED)	0.50 mile	No	0
Hazardous Material Information Reporting System (HMIRS)	TP	No	0
CA HMIRS (CHMIRS)	TP	No	0
CA Land Disposal Sites Listing (LDS)	TP	No	0
CA Military Cleanup Sites Listing (MCS)	TP	No	0
CA SPILLS 90	TP	No	0
USEPA RCRA Non-Generators (NonGen) / No Longer Regulated (NLR)	0.25 mile	No	0
Formerly Used Defense Sites (FUDS)	1.00 mile	No	1
Department of Defense (DOD)	1.00 mile	No	0
State Coalition for Remediation of Drycleaners (SCRD DRYCLEANERS)	0.50 mile	No	0
US Financial Assurance Data (US FIN ASSUR)	TP	No	0
USEPA Watch List	TP	No	0
2020 Corrective Action (2020 COR ACTION)	0.25 mile	No	0
Toxic Substances Control Act (TSCA)	TP	No	0
Toxic Chemical Release Index System (TRIS)	TP	No	0
Section 7 Tracking System (SSTS)	TP	No	0
Records of Decision (ROD)	1.00 mile	No	0
Risk Management Plans (RMP)	TP	No	0
RCRA Administrative Action Tracking System (RAATS)	TP	No	0
Potentially Responsible Parties (PRP)	TP	No	0
Polychlorinated Biphenyl (PCB) Activity Database System (PADS)	TP	No	0
Integrated Compliance Information System (ICIS)	TP	No	0
Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA) / TSCA Tracking System (FTTS)	TP	No	0

REGULATORY AGENCY DATABASE	MINIMUM SEARCH DISTANCE	PROPERTY LISTED	SITES LISTED
Material Licensing Tracking System (MLTS)	TP	No	0
Steam-Electric Plant Operation Data (COAL ASH DOE)	TP	No	0
Coal Combustion Residues Surface Impoundments (COAL ASH USEPA)	0.50 mile	No	0
PCB Transformer Registration Database (PCB TRANSFORMER)	TP	No	0
Radiation Information Database (RADINFO)	TP	No	0
FTTS Administrative Case Listing (HIST FTTS)	TP	No	0
Incident and Accident Data (DOT OPS)	TP	No	0
Superfund (CERCLA) Consent Decrees (CONSENT)	1.00 mile	No	0
Indian Reservations (INDIAN RESERV)	TP	No	0
Formerly Utilized Sites Remedial Action Program (FUSRAP)	1.00 mile	No	0
Uranium Mill Tailings Sites (UMTRA)	0.50 mile	No	0
Lead Smelters	TP	No	0
Aerometric Information Retrieval System Facility Subsystem (US AIRS)	TP	No	0
Mines Master Index File (US MINES)	0.25 mile	No	0
Abandoned Mines	TP	No	0
USEPA Facility Index System (FINDS)	TP	No	0
Unexploded Ordnance Sites (UXO)	1.00 mile	No	0
Docket Hazardous Waste Compliance (DOCKET HWC)	TP	No	0
Enforcement and Compliance History Online (ECHO)	TP	No	0
USEPA Fuels Program (FUELS PROGRAM)	0.25 mile	No	0
CA Department of Health Services (DHS) Bond Expenditure Plan (CA BOND EXP. PLAN)	1.00 mile	No	0
CA Cortese Hazardous Waste and Substances List (Cortese)	0.50 mile	No	0
CA Certified Unified Program Agency (CUPA) Listings	0.25 mile	No	0
CA Dry Cleaners	0.25 mile	No	0
California Integrated Water Quality System (CIWQS)	TP	No	0
CA Emissions Inventory Data (EMI)	TP	No	0
CA Enforcement Action Listing (ENF)	TP	No	0
CA FIN ASSUR	TP	No	0
CA Facility and Manifest Data (HAZNET)	TP	No	0
ICE	TP	No	0
HIST CORTESE	0.50 mile	No	2

REGULATORY AGENCY DATABASE	MINIMUM SEARCH DISTANCE	PROPERTY LISTED	SITES LISTED
CA EnviroStor Permitted Facilities Listing (HWP)	1.00 mile	No	0
CA Registered Hazardous Waste Transporter Database (HWT)	0.25 mile	No	0
CA Mines Site Location Listing (MINES)	TP	No	0
CA Medical Waste Management Program Listing (MMWP)	0.25 mile	No	0
CA NPDES Permits Listing (NPDES)	TP	No	0
CA Pesticide Regulation Licenses Listing (PEST LIC)	TP	No	0
CA Certified Processors Database (PROC)	0.50 mile	No	0
CA SWRCB Proposition 65 Records (Notify 65)	1.00 mile	No	0
CA UIC Listing (UIC)	TP	No	0
CA Oil Wastewater Pits Listing (WASTEWATER PITS)	0.50 mile	No	0
CA Waste Discharge System (WDS)	TP	No	0
CA Well Investigation Program Case List (WIP)	0.25 mile	No	0
EDR Proprietary Manufactured Gas Plants (EDR MGP)	1.00 mile	No	0
EDR Hist Auto	0.125 mile	No	0
EDR Exclusive Historical Cleaners (EDR Hist Cleaner)	0.125 mile	No	0
Recovered Government Archive Solid Waste Facilities List (RGA LF)	TP	No	0
RGA LUST	TP	No	0
			Total 22

Notes:
TP = Target Property
Sites may be listed in more than one database
Source: **Appendix A**

4.2 HAZARDOUS MATERIALS INVOLVEMENT

The EDR radius map report included in **Appendix A** was reviewed to determine if the Subject Property and adjacent properties are listed on regulatory agency databases and to determine if the Subject Property and adjacent properties contain RECs that would affect the environmental quality of the Subject Property. Hazardous materials involvement within the Subject Property and adjacent properties is discussed below.

4.2.1 SUBJECT PROPERTY

The Subject Property is listed as US Auxiliary Landing Field, Allen AUX Field #3, and Allen Auxiliary Field #3 on the EnviroStor and FUD databases. The US Auxiliary Landing Field site has mistakenly been

reported to be within the Subject Property boundaries. Consultation with the California Department of Toxic Substance Control (CDTSC) confirmed that this is incorrect and that the site is not in fact located within the Subject Property. Instead, it is located southeast of the Town of Mettler and would not constitute a REC (Ridenour, 2019).

4.2.2 ADJACENT PROPERTIES

The 19 remaining database listings are located on 17 sites within a one-mile radius of the Subject Property. However, a site listed on a regulatory agency database does not necessarily mean a hazardous materials release occurred at the listed site. The following 17 listed sites are closed, not in violation, or no further action is required: Three listed sites on the AST database. One listed site on the CERS, CERS TANKS, and CERS HAZ WASTE databases with minor violations that did not appear to result in a release of a hazardous material to the environment and were corrected. Such violations would not pose a threat to the environmental integrity of the Subject Property. Two listed sites on the UST database. Two listed sites on the EDR Hist Auto database. One listed site on the CERS TANKS and CERS databases with minor violations that did not appear to result in a release of a hazardous material to the environment and were corrected. Such violations would not pose a threat to the environmental integrity of the Subject Property. One listed site on the SWEEPS UST database. One listed site on the US Mines database. One listed site on the CERS HAZ WASTE and CERS with minor violations that did not appear to result in a release of a hazardous material to the environment and were corrected. Such violations would not pose a threat to the environmental integrity of the Subject Property. One listed on the Lust and CERS databases Lastly, one listed site on the HIST CORTESE database. The remaining three sites are discussed below.

Tosco Build Plant NO. 0428 – Valpredo Avenue and Highway 99

Located approximately 590 feet northeast of and downgradient from the Subject Property, this closed site on CPS-SLIC and CERS databases constitutes a HREC. In March 1996 the site's 14 underground storage tanks were found to be leaking and a site assessment which included drilling ten soil borings found significant total petroleum hydrocarbons (TPH) contamination at a depth of 15.5 feet below ground surface (bgs) in one of the soil borings. The lead oversight agency on the case, the Central Valley Regional Water Quality Control Board classified this as a limited contamination. The depth to groundwater in the area is approximately 300 to 400 feet bgs. Therefore, due to the limited contamination of TPH and the depth of contamination compared to the depth to the groundwater, clean up was deemed unnecessary and the case was closed. Due to the depth to the groundwater, the limited contamination of TPH, and the closed nature of the site, this site does not pose a threat to the environmental integrity of the Subject Property.

Ken's Chevron – 1841 Mettler Frontage Road West

Located approximately 540 feet southeast of and upgradient from the Subject Property, this closed site is listed on the LUST and HIST CORTESE databases and thereby constitutes a HREC. In March of 1999, due to corrosion, a gasoline/diesel leak occurred. In March of 1999, clean up action involving excavation of soil, tank removal, and biocell installation to remove TPH began and continued until March of 2006. The monitoring in the form of soil sampling from 8 biocell grids for TPH began in June of 2006 and ended in March of 2007. Soil samples were collected out of a backhoe bucket or with hand auger from 4 separate areas within each of the 8 biocell grids. None of the soil samples had TPH levels greater than 1000 ppm

and therefore, the case was closed. Due to the remediation action and closure of this case, this site does not pose a threat to the environmental integrity of the Subject Property.

Flyers #223 – 2023 Mettler Frontage Road West

Located approximately 550 feet southeast of and upgradient from the Subject Property, this closed site on LUST, HAZNET, CHMIRS, and CERS databases constitutes a HREC. It was discovered in January of 2014 that a UST's dispenser had discharged the following contaminants: benzene, diesel, toluene, xylene, ethylbenzene, and naphthalene. Soil investigation involved seven soil borings to maximum depths between 46 and 51 feet bgs occurred to determine the extent of the contamination. Fuel hydrocarbons were detected in 5 of the 52 samples from 4 of the 7 borings. It was concluded that diesel fuel migrated to a maximum depth of 25 feet bgs or less and therefore the leak did not affect groundwater because the depth to groundwater is 300 feet bgs in the area. Due to the residual hydrocarbon mass remaining in the subsurface not affecting human health or groundwater quality, natural attenuation being able to reduce the hydrocarbon mass, and the economic infeasibility of active remediation, the site was closed. Due to the site not affecting the groundwater as well as the closure of the site, the site does not pose a potential threat to the environmental integrity of the Subject Property.

SECTION 5.0

FINDINGS AND CONCLUSIONS

5.1 FINDINGS

Based on information gathered while conducting this Phase I ESA, the following environmental findings are provided:

- The Subject Property contains agriculture fields, a residence, and agricultural storage buildings.
- During the site reconnaissance inspection, there was no visible evidence of stained soils or hazardous materials releases observed within the Subject Property.
- No RECs, CRECs, or HRECs have been identified within the Subject Property.
- Surrounding properties listed in the EDR radius map report have been reviewed and found to not pose a threat to the environmental integrity of the Subject Property.

5.2 CONCLUSIONS AND RECOMMENDATIONS

This Phase I ESA has been prepared in conformance with the BIA guidelines (602 DM Chapter 2) and the ASTM Standard Practice E 1527-13. Any exceptions to, or deletions from, this practice are described in **Section 1.0** of this report. Based on the site conditions during the October 6, 2019 site reconnaissance inspection, owner and client questionnaires (**Appendix H**), and information in the EDR report (**Appendices A**, **B**, **C**, **D**, and **E**), no RECs, CRECs, or HRECs were identified on or in the immediate vicinity of the Subject Property that would be likely to pose a significant impact to the environmental integrity of the Subject Property. Physical testing of soil or groundwater is not recommended at this time.

SECTION 6.0

REPORT AUTHORS AND REFERENCES

The undersigned declare to the best of their professional opinion that they meet the definition of Environmental Professional as defined in §312.10 of 40 CFR 312. Emily Schoenborn, Site Assessor, assembled this report under the professional supervision of David Zweig, Professional Engineer (P.E.), who qualifies as an environmental professional (EP) as defined in ASTM Standard E1527-13, and have the specific qualifications based on education, training, and experience to assess a property of the nature, and setting of the Subject Property. The signatures of Emily Schoenborn and David Zweig, P.E. appear below and their resumes are included in **Appendix F**.

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REFERENCES

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APPENDICES

APPENDIX A

EDR RADIUS MAP REPORT WITH GEOCHECK

Mettler Site
7350 Wildflower Lane
Bakersfield, CA 93313

Inquiry Number: 5612530.2s
April 05, 2019

The EDR Radius Map™ Report with GeoCheck®

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

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GEOCHECK ADDENDUM

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

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EXECUTIVE SUMMARY

A search of available environmental records was conducted by Environmental Data Resources, Inc (EDR). The report was designed to assist parties seeking to meet the search requirements of EPA's Standards and Practices for All Appropriate Inquiries (40 CFR Part 312), the ASTM Standard Practice for Environmental Site Assessments (E 1527-13), the ASTM Standard Practice for Environmental Site Assessments for Forestland or Rural Property (E 2247-16), the ASTM Standard Practice for Limited Environmental Due Diligence: Transaction Screen Process (E 1528-14) or custom requirements developed for the evaluation of environmental risk associated with a parcel of real estate.

TARGET PROPERTY INFORMATION

ADDRESS

7350 WILDFLOWER LANE
BAKERSFIELD, CA 93313

COORDINATES

Latitude (North):	35.0726720 - 35˚ 4' 21.61''
Longitude (West):	118.9802130 - 118˚ 58' 48.76''
Universal Tranverse Mercator:	Zone 11
UTM X (Meters):	319445.7
UTM Y (Meters):	3882697.8
Elevation:	494 ft. above sea level

USGS TOPOGRAPHIC MAP ASSOCIATED WITH TARGET PROPERTY

Target Property Map:	5638958 METTLER, CA
Version Date:	2012
West Map:	5639469 COAL OIL CANYON, CA
Version Date:	2012

AERIAL PHOTOGRAPHY IN THIS REPORT

Portions of Photo from:	20140617
Source:	USDA

MAPPED SITES SUMMARY

Target Property Address:
7350 WILDFLOWER LANE
BAKERSFIELD, CA 93313

Click on Map ID to see full detail.

MAP ID	SITE NAME	ADDRESS	DATABASE ACRONYMS	RELATIVE ELEVATION	DIST (ft. & mi.) DIRECTION
A1	ALLEN AUX FIELD #3		FUDS	Higher	1 ft.
A2	ALLEN AUXILIARY FIEL		ENVIROSTOR	Higher	1 ft.
A3	US AUXILIARY LANDING	(26 MILES SE OF)	ENVIROSTOR	Higher	1 ft.
B4	GRAPEVINE OIL	7248 VALPREDO	AST	Lower	206, 0.039, NE
B5	GRAPEVINE OIL	7248 VALPREDO RD	CERS HAZ WASTE, CERS TANKS, CERS	Lower	250, 0.047, NE
B6	GRAPEVINE OIL	7248 VALPREDO RD	AST	Lower	250, 0.047, NE
B7	CIRCLE G CORPORATION	1052 METTLER FRONTAG	EDR Hist Auto	Lower	421, 0.080, NE
B8	CIRCLE G CORPORATION	1061 METTLER FRONTAG	EDR Hist Auto	Lower	423, 0.080, NE
B9	FREEWAY EXPRESS MART	1061 METTLER FRONTAG	UST	Lower	423, 0.080, NE
B10	FREEWAY EXPRESS MART	1061 METTLER FRONTAG	CERS TANKS, CERS	Lower	423, 0.080, NE
B11	WADKINS SERVICE STAT	1062 METTLER FRONTAG	SWEEPS UST	Lower	435, 0.082, NE
12	TOSCO BULK PLANT NO.	VALPREDO AVENUE AND	CPS-SLIC, CERS	Lower	593, 0.112, NE
13	CALMAT CO		US MINES	Higher	669, 0.127, SSE
14	VARSITY PRODUCE	1425 W METTLER FRONT	CERS HAZ WASTE, CERS	Higher	1073, 0.203, ESE
15	DESERT BLOCK COMPANY	526 E METTLER FRONTA	AST	Higher	1162, 0.220, ESE
16	WADKINS SERV STA MIN	1061 W METTLER FRONT	UST	Lower	1210, 0.229, NNE
17	KEN'S CHEVRON	1841 METTLER FRONTAG	LUST, HIST CORTESE	Higher	1718, 0.325, SE
C18	RENEGADE SERVICE CEN	30025 FRONTAGE RD	LUST, CERS	Higher	1982, 0.375, SE
C19	FLYERS #223	2023 METTLER FRONTAG	LUST, CHMIRS, HAZNET, CERS	Higher	2130, 0.403, SE
C20	TEXACO AUTO-TRUCK ST	2023 METTLER FRONTAG	HIST CORTESE	Higher	2130, 0.403, SE

EXECUTIVE SUMMARY

TARGET PROPERTY SEARCH RESULTS

The target property was not listed in any of the databases searched by EDR.

DATABASES WITH NO MAPPED SITES

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

STANDARD ENVIRONMENTAL RECORDS

Federal NPL site list

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

Federal Delisted NPL site list

Delisted NPL ..... National Priority List Deletions

Federal CERCLIS list

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

Federal CERCLIS NFRAP site list

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

Federal RCRA CORRACTS facilities list

CORRACTS ..... Corrective Action Report

Federal RCRA non-CORRACTS TSD facilities list

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

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

LUCIS ..... Land Use Control Information System
US ENG CONTROLS ..... Engineering Controls Sites List

EXECUTIVE SUMMARY

US INST CONTROL..... Sites with Institutional Controls

Federal ERNS list

ERNS..... Emergency Response Notification System

State- and tribal - equivalent NPL

RESPONSE..... State Response Sites

State and tribal landfill and/or solid waste disposal site lists

SWF/LF..... Solid Waste Information System

State and tribal leaking storage tank lists

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

State and tribal registered storage tank lists

FEMA UST..... Underground Storage Tank Listing
INDIAN UST..... Underground Storage Tanks on Indian Land

State and tribal voluntary cleanup sites

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

State and tribal Brownfields sites

BROWNFIELDS..... Considered Brownfieds Sites Listing

ADDITIONAL ENVIRONMENTAL RECORDS

Local Brownfield lists

US BROWNFIELDS..... A Listing of Brownfields Sites

Local Lists of Landfill / Solid Waste Disposal Sites

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

Local Lists of Hazardous waste / Contaminated Sites

US HIST CDL..... Delisted National Clandestine Laboratory Register
HIST Cal-Sites..... Historical Calsites Database
SCH..... School Property Evaluation Program
CDL..... Clandestine Drug Labs

Toxic Pits	Toxic Pits Cleanup Act Sites
US CDL	National Clandestine Laboratory Register

Local Lists of Registered Storage Tanks

HIST UST	Hazardous Substance Storage Container Database
CA FID UST	Facility Inventory Database

Local Land Records

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

Records of Emergency Release Reports

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

Other Ascertainable Records

RCRA NonGen / NLR	RCRA - Non Generators / No Longer Regulated
DOD	Department of Defense Sites
SCRD DRYCLEANERS	State Coalition for Remediation of Drycleaners Listing
US FIN ASSUR	Financial Assurance Information
EPA WATCH LIST	EPA WATCH LIST
2020 COR ACTION	2020 Corrective Action Program List
TSCA	Toxic Substances Control Act
TRIS	Toxic Chemical Release Inventory System
SSTS	Section 7 Tracking Systems
ROD	Records Of Decision
RMP	Risk Management Plans
RAATS	RCRA Administrative Action Tracking System
PRP	Potentially Responsible Parties
PADS	PCB Activity Database System
ICIS	Integrated Compliance Information System
FTTS	FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)
MLTS	Material Licensing Tracking System
COAL ASH DOE	Steam-Electric Plant Operation Data
COAL ASH EPA	Coal Combustion Residues Surface Impoundments List
PCB TRANSFORMER	PCB Transformer Registration Database
RADINFO	Radiation Information Database
HIST FTTS	FIFRA/TSCA Tracking System Administrative Case Listing
DOT OPS	Incident and Accident Data
CONSENT	Superfund (CERCLA) Consent Decrees
INDIAN RESERV	Indian Reservations
FUSRAP	Formerly Utilized Sites Remedial Action Program
UMTRA	Uranium Mill Tailings Sites
LEAD SMELTERS	Lead Smelter Sites
US AIRS	Aerometric Information Retrieval System Facility Subsystem
ABANDONED MINES	Abandoned Mines

EXECUTIVE SUMMARY

FINDS	Facility Index System/Facility Registry System
UXO	Unexploded Ordnance Sites
DOCKET HWC	Hazardous Waste Compliance Docket Listing
ECHO	Enforcement & Compliance History Information
FUELS PROGRAM	EPA Fuels Program Registered Listing
CA BOND EXP. PLAN	Bond Expenditure Plan
Cortese	"Cortese" Hazardous Waste & Substances Sites List
CUPA Listings	CUPA Resources List
DRYCLEANERS	Cleaner Facilities
EMI	Emissions Inventory Data
ENF	Enforcement Action Listing
Financial Assurance	Financial Assurance Information Listing
HAZNET	Facility and Manifest Data
ICE	ICE
HWP	EnviroStor Permitted Facilities Listing
HWT	Registered Hazardous Waste Transporter Database
MINES	Mines Site Location Listing
MWMP	Medical Waste Management Program Listing
NPDES	NPDES Permits Listing
PEST LIC	Pesticide Regulation Licenses Listing
PROC	Certified Processors Database
Notify 65	Proposition 65 Records
UIC	UIC Listing
UIC GEO	UIC GEO (GEOTRACKER)
WASTEWATER PITS	Oil Wastewater Pits Listing
WDS	Waste Discharge System
MILITARY PRIV SITES	MILITARY PRIV SITES (GEOTRACKER)
PROJECT	PROJECT (GEOTRACKER)
WDR	Waste Discharge Requirements Listing
CIWQS	California Integrated Water Quality System
CERS	CERS
NON-CASE INFO	NON-CASE INFO (GEOTRACKER)
WIP	Well Investigation Program Case List
OTHER OIL GAS	OTHER OIL & GAS (GEOTRACKER)
PROD WATER PONDS	PROD WATER PONDS (GEOTRACKER)
SAMPLING POINT	SAMPLING POINT (GEOTRACKER)
WELL STIM PROJ	Well Stimulation Project (GEOTRACKER)

EDR HIGH RISK HISTORICAL RECORDS

EDR Exclusive Records

EDR MGP	EDR Proprietary Manufactured Gas Plants
EDR Hist Cleaner	EDR Exclusive Historical Cleaners

EDR RECOVERED GOVERNMENT ARCHIVES

Exclusive Recovered Govt. Archives

RGA LF	Recovered Government Archive Solid Waste Facilities List
RGA LUST	Recovered Government Archive Leaking Underground Storage Tank

SURROUNDING SITES: SEARCH RESULTS

Surrounding sites were identified in the following databases.

EXECUTIVE SUMMARY

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

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

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

STANDARD ENVIRONMENTAL RECORDS

State- and tribal - equivalent CERCLIS

ENVIROSTOR: The Department of Toxic Substances Control's (DTSC's) Site Mitigation and Brownfields Reuse Program's (SMBRP's) EnviroStor database identifes sites that have known contamination or sites for which there may be reasons to investigate further. The database includes the following site types: Federal Superfund sites (National Priorities List (NPL)); State Response, including Military Facilities and State Superfund; Voluntary Cleanup; and School sites. EnviroStor provides similar information to the information that was available in CalSites, and provides additional site information, including, but not limited to, identification of formerly-contaminated properties that have been released for reuse, properties where environmental deed restrictions have been recorded to prevent inappropriate land uses, and risk characterization information that is used to assess potential impacts to public health and the environment at contaminated sites.

A review of the ENVIROSTOR list, as provided by EDR, and dated 01/28/2019 has revealed that there are 2 ENVIROSTOR sites within approximately 1 mile of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
ALLEN AUXILIARY FIEL Facility Id: 80000133 Status: Inactive - Needs Evaluation		0 - 1/8 (0.000 mi.)	A2	8
US AUXILIARY LANDING Facility Id: 80000806 Status: Inactive - Needs Evaluation	(26 MILES SE OF)	0 - 1/8 (0.000 mi.)	A3	9

State and tribal leaking storage tank lists

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

A review of the LUST list, as provided by EDR, has revealed that there are 3 LUST sites within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
KEN'S CHEVRON Database: LUST REG 5, Date of Government Version: 07/01/2008 Database: LUST, Date of Government Version: 12/10/2018 Status: Completed - Case Closed	***1841 METTLER FRONTAG***	***SE 1/4 - 1/2 (0.325 mi.)***	***17***	***115***

Status: Case Closed
Global Id: T0602900752

RENEGADE SERVICE CEN ***30025 FRONTAGE RD*** ***SE 1/4 - 1/2 (0.375 mi.)*** ***C18*** ***117***
Database: LUST REG 5, Date of Government Version: 07/01/2008
Database: LUST, Date of Government Version: 12/10/2018
Status: Completed - Case Closed
Status: Case Closed
Global Id: T0602900391

FLYERS #223 ***2023 METTLER FRONTAG*** ***SE 1/4 - 1/2 (0.403 mi.)*** ***C19*** ***119***
Database: LUST, Date of Government Version: 12/10/2018
Status: Completed - Case Closed
Global Id: T10000005648

CPS-SLIC: Cleanup Program Sites (CPS; also known as Site Cleanups [SC] and formerly known as Spills, Leaks, Investigations, and Cleanups [SLIC] sites) included in GeoTracker. GeoTracker is the Water Boards data management system for sites that impact, or have the potential to impact, water quality in California, with emphasis on groundwater.

A review of the CPS-SLIC list, as provided by EDR, has revealed that there is 1 CPS-SLIC site within approximately 0.5 miles of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
TOSCO BULK PLANT NO.	***VALPREDO AVENUE AND***	***NE 0 - 1/8 (0.112 mi.)***	***12***	***80***

Database: CPS-SLIC, Date of Government Version: 12/10/2018
Facility Status: Completed - Case Closed
Global Id: T10000008225

State and tribal registered storage tank lists

UST: The Underground Storage Tank database contains registered USTs. USTs are regulated under Subtitle I of the Resource Conservation and Recovery Act (RCRA). The data come from the State Water Resources Control Board's Hazardous Substance Storage Container Database.

A review of the UST list, as provided by EDR, has revealed that there are 2 UST sites within approximately 0.25 miles of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
FREEWAY EXPRESS MART	1061 METTLER FRONTAG	NE 0 - 1/8 (0.080 mi.)	B9	52

Database: KERN CO. UST, Date of Government Version: 01/28/2019
Database: UST, Date of Government Version: 12/10/2018
Facility ID: FA0001517

WADKINS SERV STA MIN 1061 W METTLER FRONT NNE 1/8 - 1/4 (0.229 mi.) 16 114
Database: UST, Date of Government Version: 12/10/2018
Facility Id: FA0001517

AST: A listing of aboveground storage tank petroleum storage tank locations.

A review of the AST list, as provided by EDR, has revealed that there are 3 AST sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
DESERT BLOCK COMPANY Database: AST, Date of Government Version: 07/06/2016	526 E METTLER FRONTA	ESE 1/8 - 1/4 (0.220 mi.)	15	114

Lower Elevation	Address	Direction / Distance	Map ID	Page
GRAPEVINE OIL Database: AST, Date of Government Version: 07/06/2016	7248 VALPREDO	NE 0 - 1/8 (0.039 mi.)	B4	10
GRAPEVINE OIL Database: AST, Date of Government Version: 07/06/2016	7248 VALPREDO RD	NE 0 - 1/8 (0.047 mi.)	B6	51

ADDITIONAL ENVIRONMENTAL RECORDS

Local Lists of Hazardous waste / Contaminated Sites

CERS HAZ WASTE: List of sites in the California Environmental Protection Agency (CalEPA) Regulated Site Portal which fall under the Hazardous Chemical Management, Hazardous Waste Onsite Treatment, Household Hazardous Waste Collection, Hazardous Waste Generator, and RCRA LQ HW Generator programs.

A review of the CERS HAZ WASTE list, as provided by EDR, and dated 10/22/2018 has revealed that there are 2 CERS HAZ WASTE sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
VARSITY PRODUCE	***1425 W METTLER FRONT***	***ESE 1/8 - 1/4 (0.203 mi.)***	***14***	***81***

Lower Elevation	Address	Direction / Distance	Map ID	Page
GRAPEVINE OIL	***7248 VALPREDO RD***	***NE 0 - 1/8 (0.047 mi.)***	***B5***	***11***

Local Lists of Registered Storage Tanks

SWEEPS UST: 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.

A review of the SWEEPS UST list, as provided by EDR, and dated 06/01/1994 has revealed that there is 1 SWEEPS UST site within approximately 0.25 miles of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
WADKINS SERVICE STAT Status: A Tank Status: A	1062 METTLER FRONTAG	NE 0 - 1/8 (0.082 mi.)	B11	78

EXECUTIVE SUMMARY

Comp Number: 51852

CERS TANKS: List of sites in the California Environmental Protection Agency (CalEPA) Regulated Site Portal which fall under the Aboveground Petroleum Storage and Underground Storage Tank regulatory programs.

A review of the CERS TANKS list, as provided by EDR, and dated 10/22/2018 has revealed that there are 2 CERS TANKS sites within approximately 0.25 miles of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
GRAPEVINE OIL	***7248 VALPREDO RD***	***NE 0 - 1/8 (0.047 mi.)***	***B5***	***11***
FREEWAY EXPRESS MART	***1061 METTLER FRONTAG***	***NE 0 - 1/8 (0.080 mi.)***	***B10***	***54***

Other Ascertainable Records

FUDS: 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.

A review of the FUDS list, as provided by EDR, and dated 01/31/2015 has revealed that there is 1 FUDS site within approximately 1 mile of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
ALLEN AUX FIELD #3 Federal Facility ID:: CA9799F5355 INST ID:: 56951		0 - 1/8 (0.000 mi.)	A1	8

US MINES: Mines Master Index File. The source of this database is the Dept. of Labor, Mine Safety and Health Administration.

A review of the US MINES list, as provided by EDR, has revealed that there is 1 US MINES site within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
CALMAT CO Database: US MINES, Date of Government Version: 11/27/2018 Mine ID:: 0401829		SSE 1/8 - 1/4 (0.127 mi.)	13	80

HIST CORTESE: The sites for the list are designated by the State Water Resource Control Board [LUST], the Integrated Waste Board [SWF/LS], and the Department of Toxic Substances Control [CALSITES]. This listing is no longer updated by the state agency.

A review of the HIST CORTESE list, as provided by EDR, and dated 04/01/2001 has revealed that there are 2 HIST CORTESE sites within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
KEN'S CHEVRON Reg Id: 5T15000797	***1841 METTLER FRONTAG***	***SE 1/4 - 1/2 (0.325 mi.)***	***17***	***115***
TEXACO AUTO-TRUCK ST	2023 METTLER FRONTAG	SE 1/4 - 1/2 (0.403 mi.)	C20	123

EXECUTIVE SUMMARY

Reg Id: 5T15000741

EDR HIGH RISK HISTORICAL RECORDS

EDR Exclusive Records

EDR Hist Auto: EDR has searched selected national collections of business directories and has collected listings of potential gas station/filling station/service station sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include gas station/filling station/service station establishments. The categories reviewed included, but were not limited to gas, gas station, gasoline station, filling station, auto, automobile repair, auto service station, service station, etc. This database falls within a category of information EDR classifies as "High Risk Historical Records", or HRHR. EDR's HRHR effort presents unique and sometimes proprietary data about past sites and operations that typically create environmental concerns, but may not show up in current government records searches.

A review of the EDR Hist Auto list, as provided by EDR, has revealed that there are 2 EDR Hist Auto sites within approximately 0.125 miles of the target property.

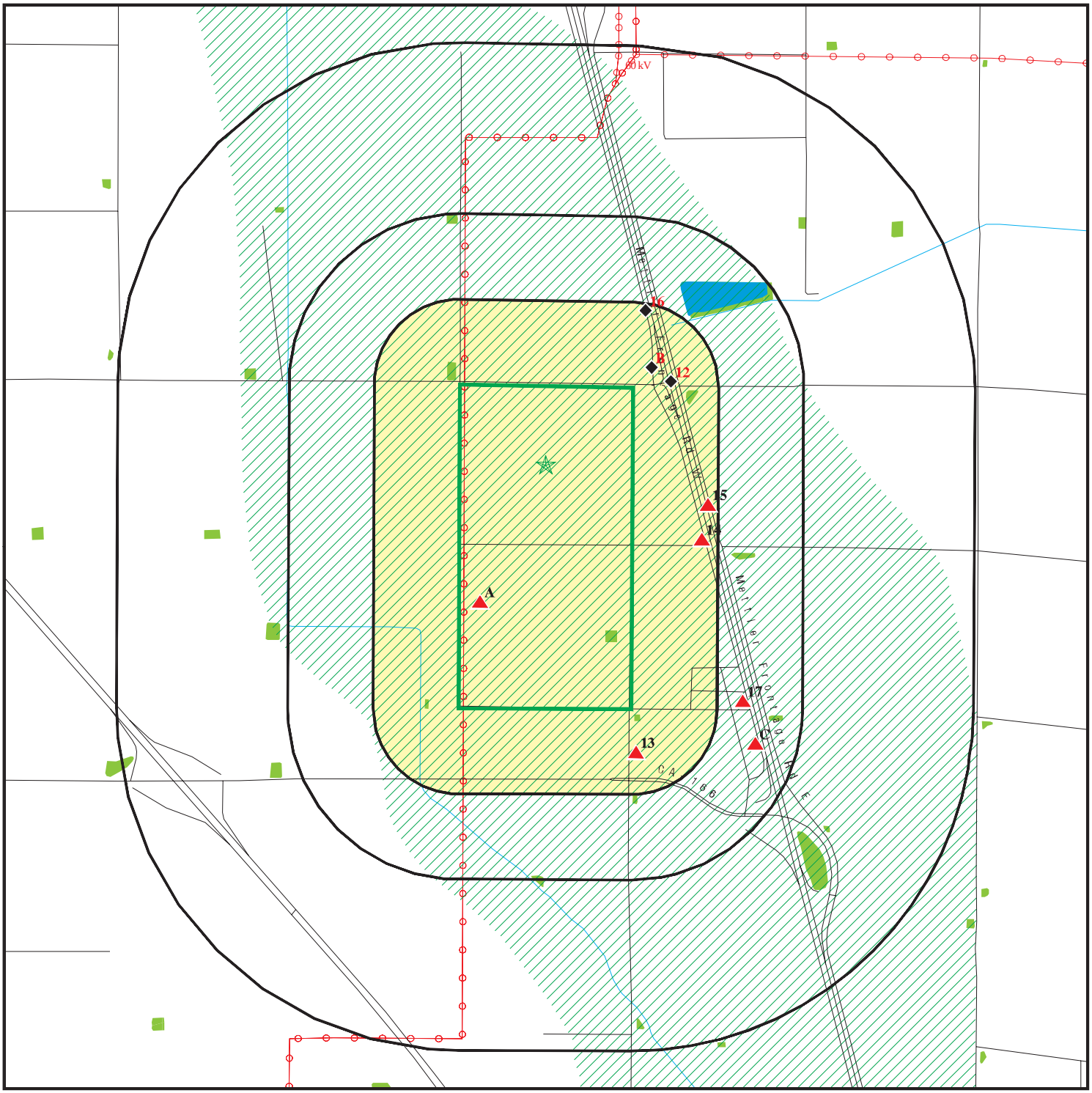
Lower Elevation	Address	Direction / Distance	Map ID	Page
CIRCLE G CORPORATION	1052 METTLER FRONTAG	NE 0 - 1/8 (0.080 mi.)	B7	52
CIRCLE G CORPORATION	1061 METTLER FRONTAG	NE 0 - 1/8 (0.080 mi.)	B8	52

EXECUTIVE SUMMARY

Due to poor or inadequate address information, the following sites were not mapped. Count: 3 records.

Site Name	Database(s)
SUNVIEW VINEYARDS - METTLER	AST
SUNVIEW VINEYARDS - METTLER	FINDS
SUBURBAN PROPANE - METTLER STORAGE	FINDS

OVERVIEW MAP - 5612530.2S



Target Property

Sites at elevations higher than or equal to the target property

Sites at elevations lower than the target property

Manufactured Gas Plants

National Priority List Sites

Dept. Defense Sites

0 1/4 1/2 1 Miles

Indian Reservations BIA

Power transmission lines

100-year flood zone

500-year flood zone

National Wetland Inventory

State Wetlands

Areas of Concern

This report includes Interactive Map Layers to display and/or hide map information. The legend includes only those icons for the default map view.

SITE NAME: Mettler Site	CLIENT: ANALYTICAL ENVIRONMENTAL SERVICES
ADDRESS: 7350 Wildflower Lane Bakersfield CA 93313	CONTACT: Sam Schoevaars INQUIRY #: 5612530.2s
LAT/LONG: 35.072672 / 118.980213	DATE: April 05, 2019 9:31 am

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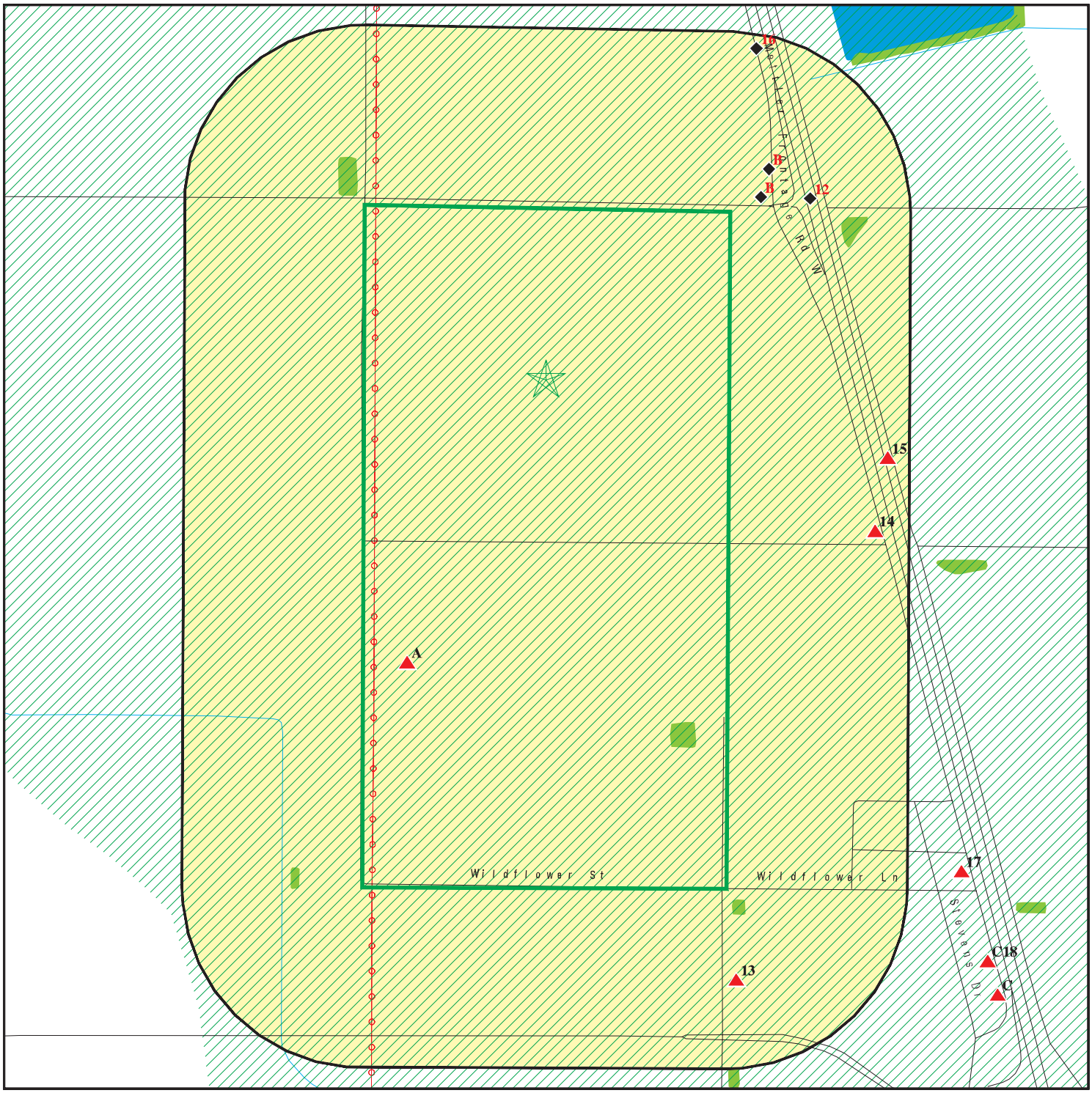
DETAIL MAP - 5612530.2S



Target Property

Sites at elevations higher than or equal to the target property

Sites at elevations lower than the target property

Manufactured Gas Plants

Sensitive Receptors

National Priority List Sites

Dept. Defense Sites

0 1/8 1/4 1/2 Miles

Indian Reservations BIA

Power transmission lines

100-year flood zone

500-year flood zone

National Wetland Inventory

State Wetlands

Areas of Concern

This report includes Interactive Map Layers to display and/or hide map information. The legend includes only those icons for the default map view.

SITE NAME: Mettler Site	CLIENT: ANALYTICAL ENVIRONMENTAL SERVICES
ADDRESS: 7350 Wildflower Lane Bakersfield CA 93313	CONTACT: Sam Schoevaars INQUIRY #: 5612530.2s
LAT/LONG: 35.072672 / 118.980213	DATE: April 05, 2019 9:35 am

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MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
STANDARD ENVIRONMENTAL RECORDS								
Federal NPL site list								
NPL	1.000		0	0	0	0	NR	0
Proposed NPL	1.000		0	0	0	0	NR	0
NPL LIENS	0.001		0	NR	NR	NR	NR	0
Federal Delisted NPL site list								
Delisted NPL	1.000		0	0	0	0	NR	0
Federal CERCLIS list								
FEDERAL FACILITY	0.500		0	0	0	NR	NR	0
SEMS	0.500		0	0	0	NR	NR	0
Federal CERCLIS NFRAP site list								
SEMS-ARCHIVE	0.500		0	0	0	NR	NR	0
Federal RCRA CORRACTS facilities list								
CORRACTS	1.000		0	0	0	0	NR	0
Federal RCRA non-CORRACTS TSD facilities list								
RCRA-TSDF	0.500		0	0	0	NR	NR	0
Federal RCRA generators list								
RCRA-LQG	0.250		0	0	NR	NR	NR	0
RCRA-SQG	0.250		0	0	NR	NR	NR	0
RCRA-CESQG	0.250		0	0	NR	NR	NR	0
Federal institutional controls / engineering controls registries								
LUCIS	0.500		0	0	0	NR	NR	0
US ENG CONTROLS	0.500		0	0	0	NR	NR	0
US INST CONTROL	0.500		0	0	0	NR	NR	0
Federal ERNS list								
ERNS	0.001		0	NR	NR	NR	NR	0
State- and tribal - equivalent NPL								
RESPONSE	1.000		0	0	0	0	NR	0
State- and tribal - equivalent CERCLIS								
ENVIROSTOR	1.000		2	0	0	0	NR	2
State and tribal landfill and/or solid waste disposal site lists								
SWF/LF	0.500		0	0	0	NR	NR	0
State and tribal leaking storage tank lists								
LUST	0.500		0	0	3	NR	NR	3

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
INDIAN LUST	0.500		0	0	0	NR	NR	0
CPS-SLIC	0.500		1	0	0	NR	NR	1
State and tribal registered storage tank lists								
FEMA UST	0.250		0	0	NR	NR	NR	0
UST	0.250		1	1	NR	NR	NR	2
AST	0.250		2	1	NR	NR	NR	3
INDIAN UST	0.250		0	0	NR	NR	NR	0
State and tribal voluntary cleanup sites								
VCP	0.500		0	0	0	NR	NR	0
INDIAN VCP	0.500		0	0	0	NR	NR	0
State and tribal Brownfields sites								
BROWNFIELDS	0.500		0	0	0	NR	NR	0
ADDITIONAL ENVIRONMENTAL RECORDS								
Local Brownfield lists								
US BROWNFIELDS	0.500		0	0	0	NR	NR	0
Local Lists of Landfill / Solid Waste Disposal Sites								
WMUDS/SWAT	0.500		0	0	0	NR	NR	0
SWRCY	0.500		0	0	0	NR	NR	0
HAULERS	0.001		0	NR	NR	NR	NR	0
INDIAN ODI	0.500		0	0	0	NR	NR	0
DEBRIS REGION 9	0.500		0	0	0	NR	NR	0
ODI	0.500		0	0	0	NR	NR	0
IHS OPEN DUMPS	0.500		0	0	0	NR	NR	0
Local Lists of Hazardous waste / Contaminated Sites								
US HIST CDL	0.001		0	NR	NR	NR	NR	0
HIST Cal-Sites	1.000		0	0	0	0	NR	0
SCH	0.250		0	0	NR	NR	NR	0
CDL	0.001		0	NR	NR	NR	NR	0
CERS HAZ WASTE	0.250		1	1	NR	NR	NR	2
Toxic Pits	1.000		0	0	0	0	NR	0
US CDL	0.001		0	NR	NR	NR	NR	0
Local Lists of Registered Storage Tanks								
SWEEPS UST	0.250		1	0	NR	NR	NR	1
HIST UST	0.250		0	0	NR	NR	NR	0
CERS TANKS	0.250		2	0	NR	NR	NR	2
CA FID UST	0.250		0	0	NR	NR	NR	0
Local Land Records								
LIENS	0.001		0	NR	NR	NR	NR	0
LIENS 2	0.001		0	NR	NR	NR	NR	0

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
DEED	0.500		0	0	0	NR	NR	0
Records of Emergency Release Reports								
HMIRS	0.001		0	NR	NR	NR	NR	0
CHMIRS	0.001		0	NR	NR	NR	NR	0
LDS	0.001		0	NR	NR	NR	NR	0
MCS	0.001		0	NR	NR	NR	NR	0
SPILLS 90	0.001		0	NR	NR	NR	NR	0
Other Ascertainable Records								
RCRA NonGen / NLR	0.250		0	0	NR	NR	NR	0
FUDS	1.000		1	0	0	0	NR	1
DOD	1.000		0	0	0	0	NR	0
SCRD DRYCLEANERS	0.500		0	0	0	NR	NR	0
US FIN ASSUR	0.001		0	NR	NR	NR	NR	0
EPA WATCH LIST	0.001		0	NR	NR	NR	NR	0
2020 COR ACTION	0.250		0	0	NR	NR	NR	0
TSCA	0.001		0	NR	NR	NR	NR	0
TRIS	0.001		0	NR	NR	NR	NR	0
SSTS	0.001		0	NR	NR	NR	NR	0
ROD	1.000		0	0	0	0	NR	0
RMP	0.001		0	NR	NR	NR	NR	0
RAATS	0.001		0	NR	NR	NR	NR	0
PRP	0.001		0	NR	NR	NR	NR	0
PADS	0.001		0	NR	NR	NR	NR	0
ICIS	0.001		0	NR	NR	NR	NR	0
FTTS	0.001		0	NR	NR	NR	NR	0
MLTS	0.001		0	NR	NR	NR	NR	0
COAL ASH DOE	0.001		0	NR	NR	NR	NR	0
COAL ASH EPA	0.500		0	0	0	NR	NR	0
PCB TRANSFORMER	0.001		0	NR	NR	NR	NR	0
RADINFO	0.001		0	NR	NR	NR	NR	0
HIST FTTS	0.001		0	NR	NR	NR	NR	0
DOT OPS	0.001		0	NR	NR	NR	NR	0
CONSENT	1.000		0	0	0	0	NR	0
INDIAN RESERV	0.001		0	NR	NR	NR	NR	0
FUSRAP	1.000		0	0	0	0	NR	0
UMTRA	0.500		0	0	0	NR	NR	0
LEAD SMELTERS	0.001		0	NR	NR	NR	NR	0
US AIRS	0.001		0	NR	NR	NR	NR	0
US MINES	0.250		0	1	NR	NR	NR	1
ABANDONED MINES	0.001		0	NR	NR	NR	NR	0
FINDS	0.001		0	NR	NR	NR	NR	0
UXO	1.000		0	0	0	0	NR	0
DOCKET HWC	0.001		0	NR	NR	NR	NR	0
ECHO	0.001		0	NR	NR	NR	NR	0
FUELS PROGRAM	0.250		0	0	NR	NR	NR	0
CA BOND EXP. PLAN	1.000		0	0	0	0	NR	0
Cortese	0.500		0	0	0	NR	NR	0
CUPA Listings	0.250		0	0	NR	NR	NR	0
DRYCLEANERS	0.250		0	0	NR	NR	NR	0

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
EMI	0.001		0	NR	NR	NR	NR	0
ENF	0.001		0	NR	NR	NR	NR	0
Financial Assurance	0.001		0	NR	NR	NR	NR	0
HAZNET	0.001		0	NR	NR	NR	NR	0
ICE	0.001		0	NR	NR	NR	NR	0
HIST CORTESE	0.500		0	0	2	NR	NR	2
HWP	1.000		0	0	0	0	NR	0
HWT	0.250		0	0	NR	NR	NR	0
MINES	0.001		0	NR	NR	NR	NR	0
MWMP	0.250		0	0	NR	NR	NR	0
NPDES	0.001		0	NR	NR	NR	NR	0
PEST LIC	0.001		0	NR	NR	NR	NR	0
PROC	0.500		0	0	0	NR	NR	0
Notify 65	1.000		0	0	0	0	NR	0
UIC	0.001		0	NR	NR	NR	NR	0
UIC GEO	0.001		0	NR	NR	NR	NR	0
WASTEWATER PITS	0.500		0	0	0	NR	NR	0
WDS	0.001		0	NR	NR	NR	NR	0
MILITARY PRIV SITES	0.001		0	NR	NR	NR	NR	0
PROJECT	0.001		0	NR	NR	NR	NR	0
WDR	0.001		0	NR	NR	NR	NR	0
CIWQS	0.001		0	NR	NR	NR	NR	0
CERS	0.001		0	NR	NR	NR	NR	0
NON-CASE INFO	0.001		0	NR	NR	NR	NR	0
WIP	0.250		0	0	NR	NR	NR	0
OTHER OIL GAS	0.001		0	NR	NR	NR	NR	0
PROD WATER PONDS	0.001		0	NR	NR	NR	NR	0
SAMPLING POINT	0.001		0	NR	NR	NR	NR	0
WELL STIM PROJ	0.001		0	NR	NR	NR	NR	0
EDR HIGH RISK HISTORICAL RECORDS								
EDR Exclusive Records								
EDR MGP	1.000		0	0	0	0	NR	0
EDR Hist Auto	0.125		2	NR	NR	NR	NR	2
EDR Hist Cleaner	0.125		0	NR	NR	NR	NR	0
EDR RECOVERED GOVERNMENT ARCHIVES								
Exclusive Recovered Govt. Archives								
RGA LF	0.001		0	NR	NR	NR	NR	0
RGA LUST	0.001		0	NR	NR	NR	NR	0
- Totals --		0	13	4	5	0	0	22

NOTES:

TP = Target Property

NR = Not Requested at this Search Distance

Sites may be listed in more than one database

A1 **ALLEN AUX FIELD #3** **FUDS** **1009484270**
N/A

< 1/8
1 ft.

OTHER, CA

Site 1 of 3 in cluster A

Relative:
Higher

Actual:
508 ft.

FUDS:

EPA Region:	09
Congressional District:	23
FUDS Number:	J09CA0223
State:	CA
Facility Name:	ALLEN AUX FIELD #3
Fiscal Year:	2013
City:	OTHER
Federal Facility ID:	CA9799F5355
Telephone:	213-452-3920
INST ID:	56951
County:	KERN
RAB:	Not reported
CORPS_DIST:	Los Angeles District (SPL)
NPL Status:	Not Listed
CTC:	12
Current Owner:	Other
Future Prog:	Not reported
Description:	N/A
Current Program:	Not reported
History:	A total of 260 acres were leased by the US Army Corps of Engineers from Kern County Land Company with the lease begining on 1 July 1941 and ending 30 June 1943. ON 2 January 1942, an additional 100 acres were leased form Kern county Land Company with the lease ending 30 June 1943.
Latitude Degree:	35
Latitude Minute:	3
Latitude Second:	18
Latitude Direction:	N
Longitude Degree:	-119
Longitude Minute:	1
Longitude Second:	1
Longitude Direction:	E

A2 **ALLEN AUXILIARY FIELD #3** **ENVIROSTOR** **S107735824**
N/A

< 1/8
1 ft.

BAKERSFIELD, CA

Site 2 of 3 in cluster A

Relative:
Higher

Actual:
508 ft.

ENVIROSTOR:

Facility ID:	80000133
Status:	Inactive - Needs Evaluation
Status Date:	07/01/2005
Site Code:	Not reported
Site Type:	Military Evaluation
Site Type Detailed:	FUDS
Acres:	0
NPL:	NO
Regulatory Agencies:	SMBRP
Lead Agency:	SMBRP
Program Manager:	Not reported
Supervisor:	Charles Ridenour
Division Branch:	Cleanup Sacramento

ALLEN AUXILIARY FIELD #3 (Continued) **S107735824**

Assembly:	32
Senate:	16
Special Program:	Not reported
Restricted Use:	NO
Site Mgmt Req:	NONE SPECIFIED
Funding:	DERA
Latitude:	35.06694
Longitude:	-118.9836
APN:	NONE SPECIFIED
Past Use:	NONE SPECIFIED
Potential COC:	NONE SPECIFIED
Confirmed COC:	NONE SPECIFIED
Potential Description:	NONE SPECIFIED
Alias Name:	CA99799F535500
Alias Type:	Federal Facility ID
Alias Name:	J09CA0223
Alias Type:	INPR
Alias Name:	80000133
Alias Type:	Envirostor ID Number

Completed Info:

Completed Area Name:	Not reported
Completed Sub Area Name:	Not reported
Completed Document Type:	Not reported
Completed Date:	Not reported
Comments:	Not reported
Future Area Name:	Not reported
Future Sub Area Name:	Not reported
Future Document Type:	Not reported
Future Due Date:	Not reported
Schedule Area Name:	Not reported
Schedule Sub Area Name:	Not reported
Schedule Document Type:	Not reported
Schedule Due Date:	Not reported
Schedule Revised Date:	Not reported

A3 **US AUXILIARY LANDING FIELD** **ENVIROSTOR** **S107737499**
(26 MILES SE OF) **N/A**
< 1/8 **TAFT, CA**
1 ft.

Site 3 of 3 in cluster A

Relative:
Higher

Actual:
510 ft.

ENVIROSTOR:

Facility ID:	80000806
Status:	Inactive - Needs Evaluation
Status Date:	07/01/2005
Site Code:	Not reported
Site Type:	Military Evaluation
Site Type Detailed:	FUDS
Acres:	Not reported
NPL:	NO
Regulatory Agencies:	SMBRP
Lead Agency:	SMBRP
Program Manager:	Not reported
Supervisor:	Charles Ridenour
Division Branch:	Cleanup Sacramento
Assembly:	32

US AUXILIARY LANDING FIELD (Continued) **S107737499**

Senate:	16
Special Program:	Not reported
Restricted Use:	NO
Site Mgmt Req:	NONE SPECIFIED
Funding:	DERA
Latitude:	35.06666
Longitude:	-118.9833
APN:	NONE SPECIFIED
Past Use:	NONE SPECIFIED
Potential COC:	Explosives (UXO, MEC
Confirmed COC:	NONE SPECIFIED
Potential Description:	NONE SPECIFIED
Alias Name:	CA99799F992400
Alias Type:	Federal Facility ID
Alias Name:	J09CA7102
Alias Type:	INPR
Alias Name:	80000806
Alias Type:	Envirostor ID Number

Completed Info:

Completed Area Name:	Not reported
Completed Sub Area Name:	Not reported
Completed Document Type:	Not reported
Completed Date:	Not reported
Comments:	Not reported
Future Area Name:	Not reported
Future Sub Area Name:	Not reported
Future Document Type:	Not reported
Future Due Date:	Not reported
Schedule Area Name:	Not reported
Schedule Sub Area Name:	Not reported
Schedule Document Type:	Not reported
Schedule Due Date:	Not reported
Schedule Revised Date:	Not reported

B4 **GRAPEVINE OIL** **AST** **A100176010**
NE **7248 VALPREDO** **N/A**
< 1/8 **METTLER, CA**
0.039 mi.
206 ft. **Site 1 of 8 in cluster B**

Relative:
Lower

Actual:
488 ft.

AST:

Certified Unified Program Agencies:	Kern
Owner:	GRAPEVINE OIL COMPANY
Total Gallons:	111,050
CERSID:	Not reported
Facility ID:	Not reported
Business Name:	Not reported
Phone:	Not reported
Fax:	Not reported
Mailing Address:	Not reported
Mailing Address City:	Not reported
Mailing Address State:	Not reported
Mailing Address Zip Code:	Not reported
Operator Name:	Not reported
Operator Phone:	Not reported
Owner Phone:	Not reported

GRAPEVINE OIL (Continued) **A100176010**

Owner Mail Address:	Not reported
Owner State:	Not reported
Owner Zip Code:	Not reported
Owner Country:	Not reported
Property Owner Name:	Not reported
Property Owner Phone:	Not reported
Property Owner Mailing Address:	Not reported
Property Owner City:	Not reported
Property Owner Stat :	Not reported
Property Owner Zip Code:	Not reported
Property Owner Country:	Not reported
EPAID:	Not reported

B5 **GRAPEVINE OIL** **CERS HAZ WASTE** **S121763521**
NE **7248 VALPREDO RD** **CERS TANKS** **N/A**
< 1/8 **METTLER, CA 93313** **CERS**
0.047 mi.
250 ft. **Site 2 of 8 in cluster B**

Relative:
Lower

Actual:
488 ft.

CERS HAZ WASTE:

Site ID:	34198
CERS ID:	10231984
CERS Description:	Hazardous Waste Generator

Violations:

Site ID:	34198
Site Name:	GRAPEVINE OIL
Violation Date:	12-21-2015
Citation:	HSC 6.5 Multiple Sections - California Health and Safety Code, Chapter 6.5, Section(s) Multiple Sections
Violation Description:	Haz Waste Generator Program - Operations/Maintenance - General
Violation Notes:	Returned to compliance on 01/15/2016. During the inspection it was observed that there are numerous 55 gallon metal drums, 275 gallon totes, 200+ gallon metal tanks that are empty with no "Date when emptied" ***CORRECTIVE ACTION: Please read through the Guidance Document regarding Empty Container Management and provide inspector Evie Shamoon with a resolution to your empty containers. For example if having the containers removed off site please provide a manifest/invoice/receipt. Please also send a photograph to shamoone@co.kern.ca.us to show evidence of compliance.
Violation Division:	Kern County Env Health Services Department
Violation Program:	HW
Violation Source:	CERS

Site ID:	34198
Site Name:	GRAPEVINE OIL
Violation Date:	12-21-2015
Citation:	HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Description:	Failure to complete and electronically submit hazardous material inventory information for all reportable hazardous materials on site at or above reportable quantities.
Violation Notes:	Returned to compliance on 05/31/2017. Failure to report in California Environmental Reporting System (CERS) all reportable quantities of hazardous materials and waste streams in your hazardous materials inventory. ***CORRECTIVE ACTION: Update your hazardous materials inventory in CERS to include the following items; 1) Two pump oil tanks that have the potential to hold approx 5,000 gallons located

GRAPEVINE OIL (Continued) **S121763521**

behind Tank #505 2) Tank H596 that stores 15W-40 oil (approx 12,000 gallons) 3) Tank #101 (2,100 gallons) Hydraulic Oil 4) Tank #202 (2,100 gallons) Hydraulic Oil 5) Tank #303 (2,100 gallons) Undetermined substance. There are two labels one for Transmission fluid and hydraulic fluid 6) Tank #404 (2,100 gallons) GVO Heavy duty 30 7) Drained/Used Oil filters 8) Change from Diesel to MOTOR OIL 15-40 this is for the tank that has 7,500 gallon capability.

Violation Division: Kern County Env Health Services Department
Violation Program: HMRRP
Violation Source: CERS

Site ID: 34198
Site Name: GRAPEVINE OIL
Violation Date: 12-21-2015
Citation: HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Description: Failure to complete and electronically submit a site map with all required content.
Violation Notes: Returned to compliance on 03/03/2016. The site map provided in CERS does not meet the annotated site map requirements. There are no cross streets, no orientation arrows (N,S,E,W), the location of hazardous materials and waste is not depicted in your map, parking lots and emergency evacuation points are not depicted, location of all buildings & structures, adjacent property use, etc. ***CORRECTIVE ACTION: Please submit a map in CERS that meets the site map requirements.
Violation Division: Kern County Env Health Services Department
Violation Program: HMRRP
Violation Source: CERS

Site ID: 34198
Site Name: GRAPEVINE OIL
Violation Date: 12-21-2015
Citation: HSC 6.67 25270.4.5(a) - California Health and Safety Code, Chapter 6.67, Section(s) 25270.4.5(a)
Violation Description: Failure to have technical amendment(s) certified by a professional engineer for a qualified facility.
Violation Notes: Returned to compliance on 05/31/2017. During the review of the Spill Prevention Control and Countermeasures Plan (SPCC Plan) it was noted that there is a tank located just west of tank #10 that is not incorporated in the SPCC plan. There are no technical amendments indicating the addition of the polyethylene tank. The unidentified tank has a capacity of 2,000 gallons. ***CORRECTIVE ACTION: An amendment to the Spill Control and Countermeasures Plan shall include the unidentified tank located just west of Tank #10.
Violation Division: Kern County Env Health Services Department
Violation Program: APSA
Violation Source: CERS

Site ID: 34198
Site Name: GRAPEVINE OIL
Violation Date: 12-21-2015
Citation: 22 CCR 12 66262.34(f) - California Code of Regulations, Title 22, Chapter 12, Section(s) 66262.34(f)
Violation Description: Failure to properly label hazardous waste accumulation containers with the following requirements: "Hazardous Waste", name and address of the generator, physical and chemical characteristics of the Hazardous

GRAPEVINE OIL (Continued) **S121763521**

Waste, and starting accumulation date.

Violation Notes: Returned to compliance on 01/15/2016. During the inspection it was noted that all hazardous waste containers, product containers and empty containers do not have proper label affixed to the outside of containers. ***CORRECTIVE ACTION: 1) Hazardous waste oil shall be labeled as follow: the words "Used Oil", the words "Hazardous Waste", accumulation date, Composition and physical state, Statement of hazard and name and address of generator 2) Drained/Used Oil filters shall be labeled as follow: the words "Drained Used Oil Filters", Accumulation date To abate this violation please send to inspector Evie Shamoon a photographs of the waste oil, the drained used oil filters, the hazardous materials containers and the empty containers that are properly labeled.

Violation Division: Kern County Env Health Services Department
Violation Program: HW
Violation Source: CERS

Site ID: 34198
Site Name: GRAPEVINE OIL
Violation Date: 12-21-2015
Citation: HSC 6.67 25270.4.5(a) - California Health and Safety Code, Chapter 6.67, Section(s) 25270.4.5(a)
Violation Description: Failure to include inspections of tank supports/foundation, deterioration, discharges and/or accumulations of oil inside diked areas, and comparison records in the records of inspections (or customary business records).
Violation Notes: During the inspection aboveground tanks inspection logs were not readily available. According to Section 4.0(e) of the SPCC plan, the form in Appendix C shall be filled out during the daily inspection. ***CORRECTIVE ACTION: Provide to inspector Evie Shamoon inspection logs from Appendix C - Tank inspection logs for the following dates: - January 2013 and November 2013 - February 2014 and December 2014 - March 2015 and October 2015. If records are not available, notify inspector Evie Shamoon and begin using the "TANK FARM INSPECTION FORM" that is provided in Appendix C of Grapevine Oil's SPCC plan's.
Violation Division: Kern County Env Health Services Department
Violation Program: APSA
Violation Source: CERS

Site ID: 34198
Site Name: GRAPEVINE OIL
Violation Date: 12-21-2015
Citation: 22 CCR 16 66266.130 - California Code of Regulations, Title 22, Chapter 16, Section(s) 66266.130
Violation Description: Failure to properly handle, manage, label, and recycle used oil and fuel filters.
Violation Notes: Returned to compliance on 01/15/2016. During the inspection it was noted that the waste oil and drained used oil filters do not have accumulation dates and improperly labeled. Mr. Cam Paulden stated that the waste streams have been sitting at facility for approximately 2 years. A search on the Department of Toxic Substances Control (DTSC) yields no hazardous waste manifests for Grapevine Oil. ***CORRECTIVE ACTION: 1) Hazardous waste oil shall be labeled as follow: the words "Used Oil", the words "Hazardous Waste", accumulation date, Composition and physical state, Statement of hazard and name and address of generator 2) Drained/Used Oil filters shall be labeled as follow: the words "Drained Used Oil Filters", Accumulation date To

GRAPEVINE OIL (Continued) **S121763521**

abate this violation please have ALL drained/used oil filters and waste oil hauled off the site immediately. Provide to inspector Evie Shamoon a manifest from your waste oil hauler.

Violation Division: Kern County Env Health Services Department
Violation Program: HW
Violation Source: CERS

Site ID: 34198
Site Name: GRAPEVINE OIL
Violation Date: 12-21-2015
Citation: HSC 6.67 25270.4.5(a) - California Health and Safety Code, Chapter 6.67, Section(s) 25270.4.5(a)
Violation Description: Failure to comply with all of the following requirements: 1. Failure to conduct inspections and tests in accordance with written procedures that you or a certifying engineer have developed for the facility. 2. Failure to sign written procedures and/or a record of inspections and/or customary business records by the appropriate supervisor or inspector. 3. Failure to keep written procedures and/or a record of inspections and/or customary business records with the plan. AND 4. Failure to maintain written procedures and/or a record of inspections and/or customary business records for three years.
Violation Notes: Returned to compliance on 05/31/2017. During the inspection personnel training records, tank integrity test results and aboveground tanks inspection logs were not readily available. According to Section 4.0(e) of the SPCC plan, the form in Appendix C shall be filled out during the daily inspection. All records are to be maintained on site for a minimum of three years. ***CORRECTIVE ACTION: Provide to inspector Evie Shamoon with scanned copies of the following records: 1) A record of all repairs to pipes, tanks and containment devices (if applicable) 2) Appendix C - Tank inspection logs from January 2013, November 2013, February 2014, December 2014, March 2015 and October 2015. 3) Copy(ies) of Tank integrity Test results for above ground tanks 4) Appendix D - Record(s) of training activities and personnel involved for 2013, 2014, 2015.
Violation Division: Kern County Env Health Services Department
Violation Program: APSA
Violation Source: CERS

Site ID: 34198
Site Name: GRAPEVINE OIL
Violation Date: 12-21-2015
Citation: HSC 6.67 25270.4.5(a) - California Health and Safety Code, Chapter 6.67, Section(s) 25270.4.5(a)
Violation Description: Failure of the containment systems, including walls and floors to be sufficiently impervious to contain oil.
Violation Notes: During the inspection it was determined that the Area 2 secondary containment walls are built of a non-coated porous brick material. One corner of the Area 2 containment sump shows visible fractures along brick wall. The outer containment walls show that oil has permeated through the porous walls. ***CORRECTIVE ACTION: Consult with the professional engineer prior to making any changes/upgrades. Provide to this department with a resolution for Area 2 porous containment sump walls.
Violation Division: Kern County Env Health Services Department
Violation Program: APSA
Violation Source: CERS

GRAPEVINE OIL (Continued) **S121763521**

Site ID:	34198
Site Name:	GRAPEVINE OIL
Violation Date:	12-21-2015
Citation:	HSC 6.67 25270.4.5(a) - California Health and Safety Code, Chapter 6.67, Section(s) 25270.4.5(a)
Violation Description:	Failure to integrity test aboveground tanks by such methods as hydrostatic, nondestructive, etc.
Violation Notes:	Returned to compliance on 05/31/2017. At the time of the inspection, the tank integrity test results were not readily available. According to page 12 of Grapevine Oil's SPCC plan, Section 4.0(e) Grapevine Oil Company will combine visual inspection with another testing technique such as hydrostatic testing, radiographic testing, ultrasonic testing, acoustic emissions testing or another system of non-destructive shell testing. During the inspection it was noted that tank 13 continues to have damaged/dent approximately mid height of the tank side wall. Per condition 5 of the SPCC Plan: Sand and coat rust exposed metal on red diesel tank (No. 13) where a dent was observe at approximately mid height of the tank side wall. ***CORRECTIVE ACTION: Send testing results for all metal tanks (Tank No: 5, 6, 7, 8, 11, 12, 13, 14, 15) to inspector Evie Shamoon to shamoone@co.kern.ca.us
Violation Division:	Kern County Env Health Services Department
Violation Program:	APSA
Violation Source:	CERS

Site ID:	34198
Site Name:	GRAPEVINE OIL
Violation Date:	12-21-2015
Citation:	22 CCR 12 66262.34(d) - California Code of Regulations, Title 22, Chapter 12, Section(s) 66262.34(d)
Violation Description:	Failure to dispose of hazardous waste within 180 days (or 270 if waste is transported over 200 miles) for the generator who generates less than 1000 kilogram per month, but more than 100 kilograms per month.
Violation Notes:	Returned to compliance on 01/15/2016. At the time of the inspection Mr. Cam Paulden stated that the waste streams have been sitting at facility for approximately 2 years. A search on the Department of Toxic Substances Control (DTSC) yields no hazardous waste manifests for Grapevine Oil. ***CORRECTIVE ACTION: To abate this violation please have ALL drained/used oil filters and waste oil hauled off the site immediately. Provide to inspector Evie Shamoon a manifest from your waste oil hauler.
Violation Division:	Kern County Env Health Services Department
Violation Program:	HW
Violation Source:	CERS

Site ID:	34198
Site Name:	GRAPEVINE OIL
Violation Date:	12-21-2015
Citation:	HSC 6.67 25270.4.5(a) - California Health and Safety Code, Chapter 6.67, Section(s) 25270.4.5(a)
Violation Description:	Failure to maintain SPCC plan onsite (applies if facility is manned at least four (4) hours per day).
Violation Notes:	Returned to compliance on 12/21/2015. At the time of the inspection, the Spill Prevention Control and Countermeasure Plan (SPCC Plan) was not available for review. According to section 2.2 of the SPCC plan, Grapevine Oil Company shall have on site a copy of the SPCC plan for on-site review during normal business hours. ***CORRECTIVE ACTION: Retain a copy of the SPCC plan on site. On 12/21/2015 Ms. Lisa Gunter

GRAPEVINE OIL (Continued) **S121763521**

emailed a copy of the Spill Prevention Countermeasures and Control Plan (SPCC) to inspector Evie Shamoon. NO FURTHER ACTION REQUIRED.

Violation Division: Kern County Env Health Services Department
Violation Program: APSA
Violation Source: CERS

Site ID: 34198
Site Name: GRAPEVINE OIL
Violation Date: 12-21-2015
Citation: HSC 6.67 Multiple - California Health and Safety Code, Chapter 6.67, Section(s) Multiple
Violation Description: APSA Program - Administration/Documentation - General
Violation Notes: Returned to compliance on 06/05/2017. After reviewing the Spill Prevention Control and Countermeasure Plan (SPCC Plan) it was determined that overfill prevention is not addressed in the plan. ***CORRECTIVE ACTION: An amendment to the Spill Control and Countermeasures Plan shall address overfill prevention methods.
Violation Division: Kern County Env Health Services Department
Violation Program: APSA
Violation Source: CERS

Site ID: 34198
Site Name: GRAPEVINE OIL
Violation Date: 12-21-2015
Citation: HSC 6.95 25507 - California Health and Safety Code, Chapter 6.95, Section(s) 25507
Violation Description: Failure to adequately establish and implement a business plan when storing/handling a hazardous material at or above reportable quantities.
Violation Notes: Returned to compliance on 03/09/2016. During the inspection it was also noted that Tank #303 has two labels one label says it contains Transmission fluid and a second label that says Hydraulic fluid. ***CORRECTIVE ACTION: Determine contents inside Tank #303 and properly label the tank. Ensure that all other containers containing hazardous materials shall be labeled with the proper content inside. Send a photograph of tank #303 to inspector Evie Shamoon shamoone@co.kern.ca.us
Violation Division: Kern County Env Health Services Department
Violation Program: HMRRP
Violation Source: CERS

Site ID: 34198
Site Name: GRAPEVINE OIL
Violation Date: 12-21-2015
Citation: HSC 6.67 25270.4.5(a) - California Health and Safety Code, Chapter 6.67, Section(s) 25270.4.5(a)
Violation Description: Failure to promptly correct the causes of leaks that result in accumulations of oil in diked areas.
Violation Notes: Condition #2 of the SPCC plan states as follows "Pressure wash and steam clean to remove oil residue inside the containment areas". During the inspection it was noted that the secondary containment for Area 2 has a ring along the inner side walls indicating the height of released gasoline/diesel. At the time of the inspection there was a substantial amount of fuel in containment. The puddled accumulation of fuel is located at the south east corner of the containment sump at the deteriorated wall. ***CORRECTIVE ACTION: Due to deterioration of the south east corner of the containment wall, have the professional

GRAPEVINE OIL (Continued) **S121763521**

engineer develop a course of action in removing fuel and sealing after rebuilding or plans for a new containment wall. submit plans, photographic evidence and waste manifest for the accumulation of waste generated after cleaning the containment sump. Email manifest to shamoone@co.kern.ca.us

Violation Division: Kern County Env Health Services Department
Violation Program: APSA
Violation Source: CERS

Site ID: 34198
Site Name: GRAPEVINE OIL
Violation Date: 12-21-2015
Citation: 40 CFR 1 265.174 - U.S. Code of Federal Regulations, Title 40, Chapter 1, Section(s) 265.174
Violation Description: Failure to inspect hazardous waste storage areas at least weekly.
Violation Notes: Returned to compliance on 01/15/2016. Failure to inspect hazardous waste streams on a weekly basis. ***CORRECTIVE ACTION: Begin inspecting hazardous waste streams on a weekly basis and record weekly inspection. Send inspection logs to shamoone@co.kern.ca.us
Violation Division: Kern County Env Health Services Department
Violation Program: HW
Violation Source: CERS

Site ID: 34198
Site Name: GRAPEVINE OIL
Violation Date: 12-21-2015
Citation: 22 CCR 12 66262.40(a) - California Code of Regulations, Title 22, Chapter 12, Section(s) 66262.40(a)
Violation Description: Failure to maintain uniform hazardous waste manifest, consolidated manifest, or bills of lading copies for three years.
Violation Notes: Returned to compliance on 01/15/2016. Failure to have manifests readily available during the inspection. ***CORRECTIVE ACTION: Provide to inspector Evie Shamoon 3 years worth of manifests from your hazardous waste hauler. Send manifests to shamoone@co.kern.ca.us If no hazardous waste manifests are available, Notify inspector Evie Shamoon and provide the manifest requested in VIOLATION H296. Send manifest to shamoone@co.kern.ca.us
Violation Division: Kern County Env Health Services Department
Violation Program: HW
Violation Source: CERS

Site ID: 34198
Site Name: GRAPEVINE OIL
Violation Date: 12-21-2015
Citation: 40 CFR 1 265.172 - U.S. Code of Federal Regulations, Title 40, Chapter 1, Section(s) 265.172
Violation Description: Failure to accumulate or store hazardous waste in a lined/compatible container.
Violation Notes: Returned to compliance on 03/09/2016. During the inspection it was noted that waste oil is being stored in a 275 gallon polyethylene tote that has been cut along top and covered with a blue tarp. Hazardous waste oil shall be stored in containers/tanks that are kept closed, rainproof, capable of containing any oil and secured during transfer. ***CORRECTIVE ACTION: Store your hazardous waste oil in a compatible container such as UL listed tank or 55 gallon metal drums. Provide to this department a photograph of the new storage container for the waste oil.

GRAPEVINE OIL (Continued) **S121763521**

Violation Division: Kern County Env Health Services Department
Violation Program: HW
Violation Source: CERS

Site ID: 34198
Site Name: GRAPEVINE OIL
Violation Date: 12-21-2015
Citation: HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Description: Failure to establish and electronically submit an adequate training program in safety procedures in the event of a release or threatened release of a hazardous material.
Violation Notes: Failure to provide in CERS an adequate employee training plan. Lack of training is evident at the site as a result of poor management practices. ***CORRECTIVE ACTION: Provide in CERS an acceptable training plan. Also provide to this department a roster or training log to the employees.
Violation Division: Kern County Env Health Services Department
Violation Program: HMRRP
Violation Source: CERS

Site ID: 34198
Site Name: GRAPEVINE OIL
Violation Date: 12-21-2015
Citation: HSC 6.67 25270.4.5(a) - California Health and Safety Code, Chapter 6.67, Section(s) 25270.4.5(a)
Violation Description: Failure to prepare and implement a Spill Prevention Control and Countermeasure (SPCC) Plan .
Violation Notes: Returned to compliance on 05/31/2017. While reviewing the Spill Prevention Control and Countermeasure Plan (SPCC Plan) it was deemed by the inspectors that the SPCC plan has not been fully implemented by Grapevine Oil Company. Below is a list of issues that contribute to the improper implementation of the SPCC Plan. 1) On page 4 of the SPCC Plan Ms. Lisa Gunter's signature and date signed are missing. 2) On page 5 the following conditions have been violated: condition #1, #2, #3, #4, #5, #8. - CONDITION #1: Remove tanks 5 and 6 (Figure 2) of the SPCC plan as they are no longer in use and do not have secondary containment. - CONDITION #2: Clean inside of containment areas by removing all debris and foreign material not part of the secondary containment. Pressure wash and steam clean to remove oil residues inside the containment areas. Repeat this for the load and unload area located between tanks 14 and 15. - CONDITION #3: Remove empty drums from the site and remove and/or consolidate empty tanks. - [Truncated]
Violation Division: Kern County Env Health Services Department
Violation Program: APSA
Violation Source: CERS

Site ID: 34198
Site Name: GRAPEVINE OIL
Violation Date: 02-25-2014
Citation: HSC 6.95 25505(a) - California Health and Safety Code, Chapter 6.95, Section(s) 25505(a)
Violation Description: Owner/Operator failed to complete and/or submit a Hazardous Materials Business Plan when storing hazardous materials at or above the thresholds quantities of 55 gallons/500 lbs/200 cubic feet.
Violation Notes: Returned to compliance on 03/25/2014. Failure to submit in CERS
Violation Division: Kern County Env Health Services Department

GRAPEVINE OIL (Continued) **S121763521**

Violation Program: HMRRP
Violation Source: CERS

Site ID: 34198
Site Name: GRAPEVINE OIL
Violation Date: 12-21-2015
Citation: HSC 6.67 25270.4.5(a) - California Health and Safety Code, Chapter 6.67, Section(s) 25270.4.5(a)
Violation Description: Failure to construct tanks out of materials compatible to the oil stored and the conditions of storage such as pressure and temperature.
Violation Notes: Returned to compliance on 01/20/2016. According to page 10 of the SPCC plan, Section 4.0(b) PREDICTION OF POTENTIAL OIL DISCHARGE: there are six (6) plastic (polyethylene) tanks that store various oil products. During the inspection it was determined that there are seven (7) plastic (polyethylene) tanks storing incompatible materials. Flammable liquids may not be stored in plastic or polyethylene containers and/or tanks. ***CORRECTIVE ACTION: Issue will be referred to Kern County Fire Prevention for further evaluation and direction. Contact Tom Ellison or Anthony Romero for further questions (661) 862-8750.
Violation Division: Kern County Env Health Services Department
Violation Program: APSA
Violation Source: CERS

Site ID: 34198
Site Name: GRAPEVINE OIL
Violation Date: 12-21-2015
Citation: HSC 6.67 25270.4.5(a) - California Health and Safety Code, Chapter 6.67, Section(s) 25270.4.5(a)
Violation Description: Failure to perform periodic integrity and leak testing of buried piping.
Violation Notes: At the time of the inspection, documentation of integrity and leak testing for the underground piping from the bulk storage in Area 2 and 3 to the four card lock dispensers was not available. ***CORRECTIVE ACTION: Provide documentation of tightness/integrity test results of buried piping. If not available, conduct piping tightness testing by a certified testing company and submit results to inspector Evie Shamoon. Results shall be sent to shamoone@co.kern.ca.us
Violation Division: Kern County Env Health Services Department
Violation Program: APSA
Violation Source: CERS

Site ID: 34198
Site Name: GRAPEVINE OIL
Violation Date: 12-21-2015
Citation: HSC 6.67 25270.4.5(a); - California Health and Safety Code, Chapter 6.67, Section(s) 25270.4.5(a);
Violation Description: Failure to regularly inspect aboveground valves, piping, and appurtenances.
Violation Notes: According to page 15 of the SPCC Plan: Section 5.0(d)(3) Grapevine Oil Company shall inspect valves, piping and appurtenances. During the inspection aboveground tanks inspection logs were not readily available. According to page 13 of the SPCC Plan: Section 4.0(e) of the SPCC plan, the form in Appendix C shall be filled out during the daily inspection. ***CORRECTIVE ACTION: Provide to inspector Evie Shamoon with inspection logs from Appendix C - Tank inspection logs for the following dates: - January 2013 and November 2013 - February 2014 and December 2014 - March 2015 and October 2015. If records are

GRAPEVINE OIL (Continued) **S121763521**

not available, notify inspector Evie Shamoon and begin using the "TANK FARM INSPECTION FORM" that is provided in Appendix C of Grapevine Oil's SPCC plan's.

Violation Division: Kern County Env Health Services Department
Violation Program: APSA
Violation Source: CERS

Site ID: 34198
Site Name: GRAPEVINE OIL
Violation Date: 12-21-2015
Citation: HSC 6.67 Multiple - California Health and Safety Code, Chapter 6.67, Section(s) Multiple
Violation Description: APSA Program - Operations/Maintenance - General
Violation Notes: Returned to compliance on 03/02/2016. According to the Spill Prevention Control and Countermeasures (SPCC) plan, page 5 of the SPCC plan states that tanks 5 and 6 are slated for removal as they are no longer in use and do not have secondary containment. At the time of the inspection it was noted that tanks 5 and 6 have not been removed nor properly closed in accordance with 40 CFR 112.2. Tanks 5 and 6 contain liquid at the bottom of each tank and neither tank has a conspicuous sign indicating closure. ***CORRECTIVE ACTION: Provide to this department a resolution for tanks 5 and 6. Send evidence of compliance to Evie Shamoon shamoone@co.kern.ca.us
Violation Division: Kern County Env Health Services Department
Violation Program: APSA
Violation Source: CERS

Site ID: 34198
Site Name: GRAPEVINE OIL
Violation Date: 12-21-2015
Citation: HSC 6.67 25270.4.5(a) - California Health and Safety Code, Chapter 6.67, Section(s) 25270.4.5(a)
Violation Description: Failure to provide and maintain adequate secondary containment.
Violation Notes: During the inspection it was deemed that the secondary containments for Area 1 and Area 2 are improperly maintained. (See Figure 2 of the SPCC plan for site details) There is excess debris inside containment sump for Area 1. The inspector deemed a failure to maintain the secondary containment walls for Area 2. There is evidence of deterioration of the sump walls of Area 2 (located at the south west corner of the sump). There is piping going through Area 2 containment walls that have not been sealed as per Condition 6 of the SPCC plan. Area 2 sump has accumulation of what appears to be diesel/gasoline at the deteriorated corner. There is debris inside Area 2 containment sump near the North fence. ***CORRECTIVE ACTION: Provide to this department with a resolution for Area 2 deteriorating walls. Remove all debris and liquid from inside containment. Provide photographic evidence to inspector Evie Shamoon. Send photographs to shamoone@co.kern.ca.us
Violation Division: Kern County Env Health Services Department
Violation Program: APSA
Violation Source: CERS

Site ID: 34198
Site Name: GRAPEVINE OIL
Violation Date: 12-21-2015
Citation: HSC 6.67 25270.4.5(a) - California Health and Safety Code, Chapter 6.67, Section(s) 25270.4.5(a)

GRAPEVINE OIL (Continued) **S121763521**

Violation Description: Failure to adequately discuss the facility transfer operations, pumping, and facility process within the SPCC plan.

Violation Notes: Returned to compliance on 05/31/2017. During the review of the Spill Prevention Control and Countermeasure Plan (SPCC) it was determined that the professional engineer has failed to adequately discuss the facility layout, containers and storage capacity, overfill prevention methods, corrosion protection for buried piping. 1) During the review of the SPCC Plan, it was determined that there is an unidentified polyethylene tank located just west of tank #10. There are no technical amendments included with the SPCC Plan. 2) During the review of the SPCC Plan, it was determined that there are inconsistencies within the SPCC Plan. a) On pg 10: Area 1 lists six (6) 2,000 gallon plastic tanks, the facility currently has seven (7) b) On pg 12: Area 1 states that there are two (2) 5,550 gallon tanks whereas on page 10 states there are two(2) 550 gallon tanks. Table 1 of the SPCC plan also indicates two 550 gallon tanks. c) On pg 12: Section 4.0(e) states to test each aboveground container for integrity on a [Truncated]

Violation Division: Kern County Env Health Services Department
Violation Program: APSA
Violation Source: CERS

Site ID: 34198
Site Name: GRAPEVINE OIL
Violation Date: 12-21-2015
Citation: 40 CFR 1 265.35 - U.S. Code of Federal Regulations, Title 40, Chapter 1, Section(s) 265.35

Violation Description: Failure to maintain aisle space to allow the unobstructed movement of personnel, fire protection, spill control equipment, and decontamination equipment to any area of facility operation in an emergency, unless it can be demonstrated to the Department that aisle space is not needed for any of these purposes.

Violation Notes: Returned to compliance on 01/15/2016. During the inspection it was noted that there is no aisle space in the hazardous waste container area. The hazardous waste drums are obstructed by empty drums. According to 40 CFR 265.35 you must maintain aisle space to allow the unobstructed movement of personnel, fire protection equipment, spill control equipment and decontamination equipment to any area of the facility operation in an emergency. ***CORRECTIVE ACTION: Provide to inspector Evie Shamoon a photograph demonstrating that proper aisle space has been implemented. Photograph shall be sent to shamoone@co.kern.ca.us

Violation Division: Kern County Env Health Services Department
Violation Program: HW
Violation Source: CERS

Evaluation:

Eval General Type: Compliance Evaluation Inspection
Eval Date: 12-21-2015
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Please note that for a number of violations you will have fourty five (45) days to comply. On the remaining violations you will have thirty (30) days from the date the violations were cited to come into full compliance. Once all the violations have been completed, sign the last page of each inspection report to confirm full compliance has been met. Send me the signed last page to my email Shamoone@co.kern.ca.us

GRAPEVINE OIL (Continued) **S121763521**

	Should you have any further questions please don't hesitate to contact me. Accompanied by APSA Inspector Shelly Lee
Eval Division:	Kern County Env Health Services Department
Eval Program:	APSA
Eval Source:	CERS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	12-21-2015
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	You will have thirty (30) days from the date the violations were cited to come into full compliance. Once all the violations have been completed, sign the last page of each inspection report to confirm full compliance has been met. Send me the signed last page to my email Shamoone@co.kern.ca.us Should you have any further questions please don't hesitate to contact me.
Eval Division:	Kern County Env Health Services Department
Eval Program:	HMRRP
Eval Source:	CERS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	12-21-2015
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	You will have thirty (30) days from the date the violations were cited to come into full compliance. Once all the violations have been completed, sign the last page of each inspection report to confirm full compliance has been met. Send me the signed last page to my email Shamoone@co.kern.ca.us Should you have any further questions please don't hesitate to contact me.
Eval Division:	Kern County Env Health Services Department
Eval Program:	HW
Eval Source:	CERS
Eval General Type:	Other/Unknown
Eval Date:	02-25-2014
Violations Found:	Yes
Eval Type:	Other, not routine, done by local agency
Eval Notes:	Not reported
Eval Division:	Kern County Env Health Services Department
Eval Program:	HMRRP
Eval Source:	CERS

Enforcement Action:

Site ID:	34198
Site Name:	GRAPEVINE OIL
Site Address:	7248 VALPREDO RD
Site City:	METTLER
Site Zip:	93313
Enf Action Date:	02-25-2014
Enf Action Type:	Notice of Violation (Unified Program)
Enf Action Description:	Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes:	Not reported
Enf Action Division:	Kern County Env Health Services Department
Enf Action Program:	HMRRP
Enf Action Source:	CERS

GRAPEVINE OIL (Continued) **S121763521**

Site ID:	34198
Site Name:	GRAPEVINE OIL
Site Address:	7248 VALPREDO RD
Site City:	METTLER
Site Zip:	93313
Enf Action Date:	05-31-2016
Enf Action Type:	Notice of Violation (Unified Program)
Enf Action Description:	Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes:	Not reported
Enf Action Division:	Kern County Env Health Services Department
Enf Action Program:	APSA
Enf Action Source:	CERS

Site ID:	34198
Site Name:	GRAPEVINE OIL
Site Address:	7248 VALPREDO RD
Site City:	METTLER
Site Zip:	93313
Enf Action Date:	10-28-2016
Enf Action Type:	Notice of Violation (Unified Program)
Enf Action Description:	Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes:	Not reported
Enf Action Division:	Kern County Env Health Services Department
Enf Action Program:	APSA
Enf Action Source:	CERS

Affiliation:

Affiliation Type Desc:	Environmental Contact
Entity Name:	Cindy Muller
Entity Title:	Not reported
Affiliation Address:	18145 E. Telegraph Road
Affiliation City:	Santa Paula
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	9393061
Affiliation Phone:	(562) 505-6080

Affiliation Type Desc:	Parent Corporation
Entity Name:	SAWYER PETROLEUM
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported

Affiliation Type Desc:	Facility Mailing Address
Entity Name:	Mailing Address
Entity Title:	Not reported
Affiliation Address:	1543 W. 16th St.
Affiliation City:	Long Beach
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	90813
Affiliation Phone:	Not reported

GRAPEVINE OIL (Continued) **S121763521**

Affiliation Type Desc:	CUPA District
Entity Name:	Kern County Environmental Health Services Departme
Entity Title:	Not reported
Affiliation Address:	2700 M Street, Suite 300
Affiliation City:	Bakersfield
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	93301-2370
Affiliation Phone:	(661) 862-8740

Affiliation Type Desc:	Identification Signer
Entity Name:	Cindy Muller
Entity Title:	General Manager
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported

Affiliation Type Desc:	Legal Owner
Entity Name:	MATT CULLEN
Entity Title:	Not reported
Affiliation Address:	1543 W 16th St.
Affiliation City:	Long Beach
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	90813
Affiliation Phone:	(562) 432-3946

Affiliation Type Desc:	Operator
Entity Name:	Cindy Muller
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	(562) 505-6080

CERS TANKS:

Site ID:	34198
CERS ID:	10231984
CERS Description:	Aboveground Petroleum Storage

Violations:

Site ID:	34198
Site Name:	GRAPEVINE OIL
Violation Date:	12-21-2015
Citation:	HSC 6.5 Multiple Sections - California Health and Safety Code, Chapter 6.5, Section(s) Multiple Sections
Violation Description:	Haz Waste Generator Program - Operations/Maintenance - General
Violation Notes:	Returned to compliance on 01/15/2016. During the inspection it was observed that there are numerous 55 gallon metal drums, 275 gallon totes, 200+ gallon metal tanks that are empty with no "Date when emptied" ***CORRECTIVE ACTION: Please read through the Guidance

GRAPEVINE OIL (Continued) **S121763521**

Document regarding Empty Container Management and provide inspector Evie Shamoon with a resolution to your empty containers. For example if having the containers removed off site please provide a manifest/invoice/receipt. Please also send a photograph to shamoone@co.kern.ca.us to show evidence of compliance.

Violation Division: Kern County Env Health Services Department
Violation Program: HW
Violation Source: CERS

Site ID: 34198
Site Name: GRAPEVINE OIL
Violation Date: 12-21-2015
Citation: HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Description: Failure to complete and electronically submit hazardous material inventory information for all reportable hazardous materials on site at or above reportable quantities.
Violation Notes: Returned to compliance on 05/31/2017. Failure to report in California Environmental Reporting System (CERS) all reportable quantities of hazardous materials and waste streams in your hazardous materials inventory. ***CORRECTIVE ACTION: Update your hazardous materials inventory in CERS to include the following items; 1) Two pump oil tanks that have the potential to hold approx 5,000 gallons located behind Tank #505 2) Tank H596 that stores 15W-40 oil (approx 12,000 gallons) 3) Tank #101 (2,100 gallons) Hydraulic Oil 4) Tank #202 (2,100 gallons) Hydraulic Oil 5) Tank #303 (2,100 gallons) Undetermined substance. There are two labels one for Transmission fluid and hydraulic fluid 6) Tank #404 (2,100 gallons) GVO Heavy duty 30 7) Drained/Used Oil filters 8) Change from Diesel to MOTOR OIL 15-40 this is for the tank that has 7,500 gallon capability.
Violation Division: Kern County Env Health Services Department
Violation Program: HMRRP
Violation Source: CERS

Site ID: 34198
Site Name: GRAPEVINE OIL
Violation Date: 12-21-2015
Citation: HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Description: Failure to complete and electronically submit a site map with all required content.
Violation Notes: Returned to compliance on 03/03/2016. The site map provided in CERS does not meet the annotated site map requirements. There are no cross streets, no orientation arrows (N,S,E,W), the location of hazardous materials and waste is not depicted in your map, parking lots and emergency evacuation points are not depicted, location of all buildings & structures, adjacent property use, etc. ***CORRECTIVE ACTION: Please submit a map in CERS that meets the site map requirements.
Violation Division: Kern County Env Health Services Department
Violation Program: HMRRP
Violation Source: CERS

Site ID: 34198
Site Name: GRAPEVINE OIL
Violation Date: 12-21-2015
Citation: HSC 6.67 25270.4.5(a) - California Health and Safety Code, Chapter

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6.67, Section(s) 25270.4.5(a)
Violation Description: Failure to have technical amendment(s) certified by a professional engineer for a qualified facility.
Violation Notes: Returned to compliance on 05/31/2017. During the review of the Spill Prevention Control and Countermeasures Plan (SPCC Plan) it was noted that there is a tank located just west of tank #10 that is not incorporated in the SPCC plan. There are no technical amendments indicating the addition of the polyethylene tank. The unidentified tank has a capacity of 2,000 gallons. ***CORRECTIVE ACTION: An amendment to the Spill Control and Countermeasures Plan shall include the unidentified tank located just west of Tank #10.
Violation Division: Kern County Env Health Services Department
Violation Program: APSA
Violation Source: CERS

Site ID: 34198
Site Name: GRAPEVINE OIL
Violation Date: 12-21-2015
Citation: 22 CCR 12 66262.34(f) - California Code of Regulations, Title 22, Chapter 12, Section(s) 66262.34(f)
Violation Description: Failure to properly label hazardous waste accumulation containers with the following requirements: "Hazardous Waste", name and address of the generator, physical and chemical characteristics of the Hazardous Waste, and starting accumulation date.
Violation Notes: Returned to compliance on 01/15/2016. During the inspection it was noted that all hazardous waste containers, product containers and empty containers do not have proper label affixed to the outside of containers. ***CORRECTIVE ACTION: 1) Hazardous waste oil shall be labeled as follow: the words "Used Oil", the words "Hazardous Waste", accumulation date, Composition and physical state, Statement of hazard and name and address of generator 2) Drained/Used Oil filters shall be labeled as follow: the words "Drained Used Oil Filters", Accumulation date To abate this violation please send to inspector Evie Shamoon a photographs of the waste oil, the drained used oil filters, the hazardous materials containers and the empty containers that are properly labeled.
Violation Division: Kern County Env Health Services Department
Violation Program: HW
Violation Source: CERS

Site ID: 34198
Site Name: GRAPEVINE OIL
Violation Date: 12-21-2015
Citation: HSC 6.67 25270.4.5(a) - California Health and Safety Code, Chapter 6.67, Section(s) 25270.4.5(a)
Violation Description: Failure to include inspections of tank supports/foundation, deterioration, discharges and/or accumulations of oil inside diked areas, and comparison records in the records of inspections (or customary business records).
Violation Notes: During the inspection aboveground tanks inspection logs were not readily available. According to Section 4.0(e) of the SPCC plan, the form in Appendix C shall be filled out during the daily inspection. ***CORRECTIVE ACTION: Provide to inspector Evie Shamoon inspection logs from Appendix C - Tank inspection logs for the following dates: - January 2013 and November 2013 - February 2014 and December 2014 - March 2015 and October 2015. If records are not available, notify inspector Evie Shamoon and begin using the "TANK FARM INSPECTION FORM"

GRAPEVINE OIL (Continued) **S121763521**

that is provided in Appendix C of Grapevine Oil's SPCC plan's.

Violation Division: Kern County Env Health Services Department
Violation Program: APSA
Violation Source: CERS

Site ID: 34198
Site Name: GRAPEVINE OIL
Violation Date: 12-21-2015
Citation: 22 CCR 16 66266.130 - California Code of Regulations, Title 22, Chapter 16, Section(s) 66266.130
Violation Description: Failure to properly handle, manage, label, and recycle used oil and fuel filters.
Violation Notes: Returned to compliance on 01/15/2016. During the inspection it was noted that the waste oil and drained used oil filters do not have accumulation dates and improperly labeled. Mr. Cam Paulden stated that the waste streams have been sitting at facility for approximately 2 years. A search on the Department of Toxic Substances Control (DTSC) yields no hazardous waste manifests for Grapevine Oil. ***CORRECTIVE ACTION: 1) Hazardous waste oil shall be labeled as follow: the words "Used Oil", the words "Hazardous Waste", accumulation date, Composition and physical state, Statement of hazard and name and address of generator 2) Drained/Used Oil filters shall be labeled as follow: the words "Drained Used Oil Filters", Accumulation date To abate this violation please have ALL drained/used oil filters and waste oil hauled off the site immediately. Provide to inspector Evie Shamoon a manifest from your waste oil hauler.
Violation Division: Kern County Env Health Services Department
Violation Program: HW
Violation Source: CERS

Site ID: 34198
Site Name: GRAPEVINE OIL
Violation Date: 12-21-2015
Citation: HSC 6.67 25270.4.5(a) - California Health and Safety Code, Chapter 6.67, Section(s) 25270.4.5(a)
Violation Description: Failure to comply with all of the following requirements: 1. Failure to conduct inspections and tests in accordance with written procedures that you or a certifying engineer have developed for the facility. 2. Failure to sign written procedures and/or a record of inspections and/or customary business records by the appropriate supervisor or inspector. 3. Failure to keep written procedures and/or a record of inspections and/or customary business records with the plan. AND 4. Failure to maintain written procedures and/or a record of inspections and/or customary business records for three years.
Violation Notes: Returned to compliance on 05/31/2017. During the inspection personnel training records, tank integrity test results and aboveground tanks inspection logs were not readily available. According to Section 4.0(e) of the SPCC plan, the form in Appendix C shall be filled out during the daily inspection. All records are to be maintained on site for a minimum of three years. ***CORRECTIVE ACTION: Provide to inspector Evie Shamoon with scanned copies of the following records: 1) A record of all repairs to pipes, tanks and containment devices (if applicable) 2) Appendix C - Tank inspection logs from January 2013, November 2013, February 2014, December 2014, March 2015 and October 2015. 3) Copy(ies) of Tank integrity Test results for above ground tanks 4) Appendix D - Record(s) of training activities and personnel involved for 2013, 2014, 2015.

GRAPEVINE OIL (Continued) **S121763521**

Violation Division:	Kern County Env Health Services Department
Violation Program:	APSA
Violation Source:	CERS
Site ID:	34198
Site Name:	GRAPEVINE OIL
Violation Date:	12-21-2015
Citation:	HSC 6.67 25270.4.5(a) - California Health and Safety Code, Chapter 6.67, Section(s) 25270.4.5(a)
Violation Description:	Failure of the containment systems, including walls and floors to be sufficiently impervious to contain oil.
Violation Notes:	During the inspection it was determined that the Area 2 secondary containment walls are built of a non-coated porous brick material. One corner of the Area 2 containment sump shows visible fractures along brick wall. The outer containment walls show that oil has permeated through the porous walls. ***CORRECTIVE ACTION: Consult with the professional engineer prior to making any changes/upgrades. Provide to this department with a resolution for Area 2 porous containment sump walls.
Violation Division:	Kern County Env Health Services Department
Violation Program:	APSA
Violation Source:	CERS
Site ID:	34198
Site Name:	GRAPEVINE OIL
Violation Date:	12-21-2015
Citation:	HSC 6.67 25270.4.5(a) - California Health and Safety Code, Chapter 6.67, Section(s) 25270.4.5(a)
Violation Description:	Failure to integrity test aboveground tanks by such methods as hydrostatic, nondestructive, etc.
Violation Notes:	Returned to compliance on 05/31/2017. At the time of the inspection, the tank integrity test results were not readily available. According to page 12 of Grapevine Oil's SPCC plan, Section 4.0(e) Grapevine Oil Company will combine visual inspection with another testing technique such as hydrostatic testing, radiographic testing, ultrasonic testing, acoustic emissions testing or another system of non-destructive shell testing. During the inspection it was noted that tank 13 continues to have damaged/dent approximately mid height of the tank side wall. Per condition 5 of the SPCC Plan: Sand and coat rust exposed metal on red diesel tank (No. 13) where a dent was observe at approximately mid height of the tank side wall. ***CORRECTIVE ACTION: Send testing results for all metal tanks (Tank No: 5, 6, 7, 8, 11, 12, 13, 14, 15) to inspector Evie Shamoon to shamoone@co.kern.ca.us
Violation Division:	Kern County Env Health Services Department
Violation Program:	APSA
Violation Source:	CERS
Site ID:	34198
Site Name:	GRAPEVINE OIL
Violation Date:	12-21-2015
Citation:	22 CCR 12 66262.34(d) - California Code of Regulations, Title 22, Chapter 12, Section(s) 66262.34(d)
Violation Description:	Failure to dispose of hazardous waste within 180 days (or 270 if waste is transported over 200 miles) for the generator who generates less than 1000 kilogram per month, but more than 100 kilograms per month.
Violation Notes:	Returned to compliance on 01/15/2016. At the time of the inspection Mr. Cam Paulden stated that the waste streams have been sitting at

GRAPEVINE OIL (Continued) **S121763521**

facility for approximately 2 years. A search on the Department of Toxic Substances Control (DTSC) yields no hazardous waste manifests for Grapevine Oil. ***CORRECTIVE ACTION: To abate this violation please have ALL drained/used oil filters and waste oil hauled off the site immediately. Provide to inspector Evie Shamoon a manifest from your waste oil hauler.

Violation Division: Kern County Env Health Services Department
Violation Program: HW
Violation Source: CERS

Site ID: 34198
Site Name: GRAPEVINE OIL
Violation Date: 12-21-2015
Citation: HSC 6.67 25270.4.5(a) - California Health and Safety Code, Chapter 6.67, Section(s) 25270.4.5(a)
Violation Description: Failure to maintain SPCC plan onsite (applies if facility is manned at least four (4) hours per day).
Violation Notes: Returned to compliance on 12/21/2015. At the time of the inspection, the Spill Prevention Control and Countermeasure Plan (SPCC Plan) was not available for review. According to section 2.2 of the SPCC plan, Grapevine Oil Company shall have on site a copy of the SPCC plan for on-site review during normal business hours. ***CORRECTIVE ACTION: Retain a copy of the SPCC plan on site. On 12/21/2015 Ms. Lisa Gunter emailed a copy of the Spill Prevention Countermeasures and Control Plan (SPCC) to inspector Evie Shamoon. NO FURTHER ACTION REQUIRED.
Violation Division: Kern County Env Health Services Department
Violation Program: APSA
Violation Source: CERS

Site ID: 34198
Site Name: GRAPEVINE OIL
Violation Date: 12-21-2015
Citation: HSC 6.67 Multiple - California Health and Safety Code, Chapter 6.67, Section(s) Multiple
Violation Description: APSA Program - Administration/Documentation - General
Violation Notes: Returned to compliance on 06/05/2017. After reviewing the Spill Prevention Control and Countermeasure Plan (SPCC Plan) it was determined that overfill prevention is not addressed in the plan. ***CORRECTIVE ACTION: An amendment to the Spill Control and Countermeasures Plan shall address overfill prevention methods.
Violation Division: Kern County Env Health Services Department
Violation Program: APSA
Violation Source: CERS

Site ID: 34198
Site Name: GRAPEVINE OIL
Violation Date: 12-21-2015
Citation: HSC 6.95 25507 - California Health and Safety Code, Chapter 6.95, Section(s) 25507
Violation Description: Failure to adequately establish and implement a business plan when storing/handling a hazardous material at or above reportable quantities.
Violation Notes: Returned to compliance on 03/09/2016. During the inspection it was also noted that Tank #303 has two labels one label says it contains Transmission fluid and a second label that says Hydraulic fluid. ***CORRECTIVE ACTION: Determine contents inside Tank #303 and properly label the tank. Ensure that all other containers containing hazardous

GRAPEVINE OIL (Continued) **S121763521**

materials shall be labeled with the proper content inside. Send a photograph of tank #303 to inspector Evie Shamoon shamoone@co.kern.ca.us

Violation Division: Kern County Env Health Services Department
Violation Program: HMRRP
Violation Source: CERS

Site ID: 34198
Site Name: GRAPEVINE OIL
Violation Date: 12-21-2015
Citation: HSC 6.67 25270.4.5(a) - California Health and Safety Code, Chapter 6.67, Section(s) 25270.4.5(a)
Violation Description: Failure to promptly correct the causes of leaks that result in accumulations of oil in diked areas.
Violation Notes: Condition #2 of the SPCC plan states as follows "Pressure wash and steam clean to remove oil residue inside the containment areas". During the inspection it was noted that the secondary containment for Area 2 has a ring along the inner side walls indicating the height of released gasoline/diesel. At the time of the inspection there was a substantial amount of fuel in containment. The puddled accumulation of fuel is located at the south east corner of the containment sump at the deteriorated wall. ***CORRECTIVE ACTION: Due to deterioration of the south east corner of the containment wall, have the professional engineer develop a course of action in removing fuel and sealing after rebuilding or plans for a new containment wall. submit plans, photographic evidence and waste manifest for the accumulation of waste generated after cleaning the containment sump. Email manifest to shamoone@co.kern.ca.us
Violation Division: Kern County Env Health Services Department
Violation Program: APSA
Violation Source: CERS

Site ID: 34198
Site Name: GRAPEVINE OIL
Violation Date: 12-21-2015
Citation: 40 CFR 1 265.174 - U.S. Code of Federal Regulations, Title 40, Chapter 1, Section(s) 265.174
Violation Description: Failure to inspect hazardous waste storage areas at least weekly.
Violation Notes: Returned to compliance on 01/15/2016. Failure to inspect hazardous waste streams on a weekly basis. ***CORRECTIVE ACTION: Begin inspecting hazardous waste streams on a weekly basis and record weekly inspection. Send inspection logs to shamoone@co.kern.ca.us
Violation Division: Kern County Env Health Services Department
Violation Program: HW
Violation Source: CERS

Site ID: 34198
Site Name: GRAPEVINE OIL
Violation Date: 12-21-2015
Citation: 22 CCR 12 66262.40(a) - California Code of Regulations, Title 22, Chapter 12, Section(s) 66262.40(a)
Violation Description: Failure to maintain uniform hazardous waste manifest, consolidated manifest, or bills of lading copies for three years.
Violation Notes: Returned to compliance on 01/15/2016. Failure to have manifests readily available during the inspection. ***CORRECTIVE ACTION: Provide to inspector Evie Shamoon 3 years worth of manifests from your hazardous waste hauler. Send manifests to shamoone@co.kern.ca.us If no

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hazardous waste manifests are available, Notify inspector Evie Shamoon and provide the manifest requested in VIOLATION H296. Send manifest to shamoone@co.kern.ca.us

Violation Division: Kern County Env Health Services Department
Violation Program: HW
Violation Source: CERS

Site ID: 34198
Site Name: GRAPEVINE OIL
Violation Date: 12-21-2015
Citation: 40 CFR 1 265.172 - U.S. Code of Federal Regulations, Title 40, Chapter 1, Section(s) 265.172
Violation Description: Failure to accumulate or store hazardous waste in a lined/compatible container.
Violation Notes: Returned to compliance on 03/09/2016. During the inspection it was noted that waste oil is being stored in a 275 gallon polyethylene tote that has been cut along top and covered with a blue tarp. Hazardous waste oil shall be stored in containers/tanks that are kept closed, rainproof, capable of containing any oil and secured during transfer. ***CORRECTIVE ACTION: Store your hazardous waste oil in a compatible container such as UL listed tank or 55 gallon metal drums. Provide to this department a photograph of the new storage container for the waste oil.
Violation Division: Kern County Env Health Services Department
Violation Program: HW
Violation Source: CERS

Site ID: 34198
Site Name: GRAPEVINE OIL
Violation Date: 12-21-2015
Citation: HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Description: Failure to establish and electronically submit an adequate training program in safety procedures in the event of a release or threatened release of a hazardous material.
Violation Notes: Failure to provide in CERS an adequate employee training plan. Lack of training is evident at the site as a result of poor management practices. ***CORRECTIVE ACTION: Provide in CERS an acceptable training plan. Also provide to this department a roster or training log to the employees.
Violation Division: Kern County Env Health Services Department
Violation Program: HMRRP
Violation Source: CERS

Site ID: 34198
Site Name: GRAPEVINE OIL
Violation Date: 12-21-2015
Citation: HSC 6.67 25270.4.5(a) - California Health and Safety Code, Chapter 6.67, Section(s) 25270.4.5(a)
Violation Description: Failure to prepare and implement a Spill Prevention Control and Countermeasure (SPCC) Plan .
Violation Notes: Returned to compliance on 05/31/2017. While reviewing the Spill Prevention Control and Countermeasure Plan (SPCC Plan) it was deemed by the inspectors that the SPCC plan has not been fully implemented by Grapevine Oil Company. Below is a list of issues that contribute to the improper implementation of the SPCC Plan. 1) On page 4 of the SPCC Plan Ms. Lisa Gunter’s signature and date signed are missing. 2) On

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page 5 the following conditions have been violated: condition #1, #2, #3, #4, #5, #8. - CONDITION #1: Remove tanks 5 and 6 (Figure 2) of the SPCC plan as they are no longer in use and do not have secondary containment. - CONDITION #2: Clean inside of containment areas by removing all debris and foreign material not part of the secondary containment. Pressure wash and steam clean to remove oil residues inside the containment areas. Repeat this for the load and unload area located between tanks 14 and 15. - CONDITION #3: Remove empty drums from the site and remove and/or consolidate empty tanks. - [Truncated]

Violation Division: Kern County Env Health Services Department
Violation Program: APSA
Violation Source: CERS

Site ID: 34198
Site Name: GRAPEVINE OIL
Violation Date: 02-25-2014
Citation: HSC 6.95 25505(a) - California Health and Safety Code, Chapter 6.95, Section(s) 25505(a)
Violation Description: Owner/Operator failed to complete and/or submit a Hazardous Materials Business Plan when storing hazardous materials at or above the thresholds quantities of 55 gallons/500 lbs/200 cubic feet.
Violation Notes: Returned to compliance on 03/25/2014. Failure to submit in CERS
Violation Division: Kern County Env Health Services Department
Violation Program: HMRRP
Violation Source: CERS

Site ID: 34198
Site Name: GRAPEVINE OIL
Violation Date: 12-21-2015
Citation: HSC 6.67 25270.4.5(a) - California Health and Safety Code, Chapter 6.67, Section(s) 25270.4.5(a)
Violation Description: Failure to construct tanks out of materials compatible to the oil stored and the conditions of storage such as pressure and temperature.
Violation Notes: Returned to compliance on 01/20/2016. According to page 10 of the SPCC plan, Section 4.0(b) PREDICTION OF POTENTIAL OIL DISCHARGE: there are six (6) plastic (polyethylene) tanks that store various oil products. During the inspection it was determined that there are seven (7) plastic (polyethylene) tanks storing incompatible materials. Flammable liquids may not be stored in plastic or polyethylene containers and/or tanks. ***CORRECTIVE ACTION: Issue will be referred to Kern County Fire Prevention for further evaluation and direction. Contact Tom Ellison or Anthony Romero for further questions (661) 862-8750.
Violation Division: Kern County Env Health Services Department
Violation Program: APSA
Violation Source: CERS

Site ID: 34198
Site Name: GRAPEVINE OIL
Violation Date: 12-21-2015
Citation: HSC 6.67 25270.4.5(a) - California Health and Safety Code, Chapter 6.67, Section(s) 25270.4.5(a)
Violation Description: Failure to perform periodic integrity and leak testing of buried piping.
Violation Notes: At the time of the inspection, documentation of integrity and leak testing for the underground piping from the bulk storage in Area 2 and 3 to the four card lock dispensers was not available. ***CORRECTIVE ACTION: Provide documentation of tightness/integrity test results of

GRAPEVINE OIL (Continued) **S121763521**

buried piping. If not available, conduct piping tightness testing by a certified testing company and submit results to inspector Evie Shamoon. Results shall be sent to shamoone@co.kern.ca.us

Violation Division: Kern County Env Health Services Department
Violation Program: APSA
Violation Source: CERS

Site ID: 34198
Site Name: GRAPEVINE OIL
Violation Date: 12-21-2015
Citation: HSC 6.67 25270.4.5(a); - California Health and Safety Code, Chapter 6.67, Section(s) 25270.4.5(a);
Violation Description: Failure to regularly inspect aboveground valves, piping, and appurtenances.
Violation Notes: According to page 15 of the SPCC Plan: Section 5.0(d)(3) Grapevine Oil Company shall inspect valves, piping and appurtenances. During the inspection aboveground tanks inspection logs were not readily available. According to page 13 of the SPCC Plan: Section 4.0(e) of the SPCC plan, the form in Appendix C shall be filled out during the daily inspection. ***CORRECTIVE ACTION: Provide to inspector Evie Shamoon with inspection logs from Appendix C - Tank inspection logs for the following dates: - January 2013 and November 2013 - February 2014 and December 2014 - March 2015 and October 2015. If records are not available, notify inspector Evie Shamoon and begin using the "TANK FARM INSPECTION FORM" that is provided in Appendix C of Grapevine Oil's SPCC plan's.
Violation Division: Kern County Env Health Services Department
Violation Program: APSA
Violation Source: CERS

Site ID: 34198
Site Name: GRAPEVINE OIL
Violation Date: 12-21-2015
Citation: HSC 6.67 Multiple - California Health and Safety Code, Chapter 6.67, Section(s) Multiple
Violation Description: APSA Program - Operations/Maintenance - General
Violation Notes: Returned to compliance on 03/02/2016. According to the Spill Prevention Control and Countermeasures (SPCC) plan, page 5 of the SPCC plan states that tanks 5 and 6 are slated for removal as they are no longer in use and do not have secondary containment. At the time of the inspection it was noted that tanks 5 and 6 have not been removed nor properly closed in accordance with 40 CFR 112.2. Tanks 5 and 6 contain liquid at the bottom of each tank and neither tank has a conspicuous sign indicating closure. ***CORRECTIVE ACTION: Provide to this department a resolution for tanks 5 and 6. Send evidence of compliance to Evie Shamoon shamoone@co.kern.ca.us
Violation Division: Kern County Env Health Services Department
Violation Program: APSA
Violation Source: CERS

Site ID: 34198
Site Name: GRAPEVINE OIL
Violation Date: 12-21-2015
Citation: HSC 6.67 25270.4.5(a) - California Health and Safety Code, Chapter 6.67, Section(s) 25270.4.5(a)
Violation Description: Failure to provide and maintain adequate secondary containment.
Violation Notes: During the inspection it was deemed that the secondary containments

GRAPEVINE OIL (Continued) **S121763521**

for Area 1 and Area 2 are improperly maintained. (See Figure 2 of the SPCC plan for site details) There is excess debris inside containment sump for Area 1. The inspector deemed a failure to maintain the secondary containment walls for Area 2. There is evidence of deterioration of the sump walls of Area 2 (located at the south west corner of the sump). There is piping going through Area 2 containment walls that have not been sealed as per Condition 6 of the SPCC plan. Area 2 sump has accumulation of what appears to be diesel/gasoline at the deteriorated corner. There is debris inside Area 2 containment sump near the North fence. ***CORRECTIVE ACTION: Provide to this department with a resolution for Area 2 deteriorating walls. Remove all debris and liquid from inside containment. Provide photographic evidence to inspector Evie Shamoon. Send photographs to shamoone@co.kern.ca.us

Violation Division: Kern County Env Health Services Department
Violation Program: APSA
Violation Source: CERS

Site ID: 34198
Site Name: GRAPEVINE OIL
Violation Date: 12-21-2015
Citation: HSC 6.67 25270.4.5(a) - California Health and Safety Code, Chapter 6.67, Section(s) 25270.4.5(a)
Violation Description: Failure to adequately discuss the facility transfer operations, pumping, and facility process within the SPCC plan.
Violation Notes: Returned to compliance on 05/31/2017. During the review of the Spill Prevention Control and Countermeasure Plan (SPCC) it was determined that the professional engineer has failed to adequately discuss the facility layout, containers and storage capacity, overfill prevention methods, corrosion protection for buried piping. 1) During the review of the SPCC Plan, it was determined that there is an unidentified polyethylene tank located just west of tank #10. There are no technical amendments included with the SPCC Plan. 2) During the review of the SPCC Plan, it was determined that there are inconsistencies within the SPCC Plan. a) On pg 10: Area 1 lists six (6) 2,000 gallon plastic tanks, the facility currently has seven (7) b) On pg 12: Area 1 states that there are two (2) 5,550 gallon tanks whereas on page 10 states there are two(2) 550 gallon tanks. Table 1 of the SPCC plan also indicates two 550 gallon tanks. c) On pg 12: Section 4.0(e) states to test each aboveground container for integrity on a [Truncated]
Violation Division: Kern County Env Health Services Department
Violation Program: APSA
Violation Source: CERS

Site ID: 34198
Site Name: GRAPEVINE OIL
Violation Date: 12-21-2015
Citation: 40 CFR 1 265.35 - U.S. Code of Federal Regulations, Title 40, Chapter 1, Section(s) 265.35
Violation Description: Failure to maintain aisle space to allow the unobstructed movement of personnel, fire protection, spill control equipment, and decontamination equipment to any area of facility operation in an emergency, unless it can be demonstrated to the Department that aisle space is not needed for any of these purposes.
Violation Notes: Returned to compliance on 01/15/2016. During the inspection it was noted that there is no aisle space in the hazardous waste container

GRAPEVINE OIL (Continued) **S121763521**

area. The hazardous waste drums are obstructed by empty drums. According to 40 CFR 265.35 you must maintain aisle space to allow the unobstructed movement of personnel, fire protection equipment, spill control equipment and decontamination equipment to any area of the facility operation in an emergency. ***CORRECTIVE ACTION: Provide to inspector Evie Shamoon a photograph demonstrating that proper aisle space has been implemented. Photograph shall be sent to shamoone@co.kern.ca.us

Violation Division: Kern County Env Health Services Department
Violation Program: HW
Violation Source: CERS

Evaluation:

Eval General Type: Compliance Evaluation Inspection
Eval Date: 12-21-2015
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Please note that for a number of violations you will have fourty five (45) days to comply. On the remaining violations you will have thirty (30) days from the date the violations were cited to come into full compliance. Once all the violations have been completed, sign the last page of each inspection report to confirm full compliance has been met. Send me the signed last page to my email Shamoone@co.kern.ca.us Should you have any further questions please don't hesitate to contact me. Accompanied by APSA Inspector Shelly Lee
Eval Division: Kern County Env Health Services Department
Eval Program: APSA
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 12-21-2015
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: You will have thirty (30) days from the date the violations were cited to come into full compliance. Once all the violations have been completed, sign the last page of each inspection report to confirm full compliance has been met. Send me the signed last page to my email Shamoone@co.kern.ca.us Should you have any further questions please don't hesitate to contact me.
Eval Division: Kern County Env Health Services Department
Eval Program: HMRRP
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 12-21-2015
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: You will have thirty (30) days from the date the violations were cited to come into full compliance. Once all the violations have been completed, sign the last page of each inspection report to confirm full compliance has been met. Send me the signed last page to my email Shamoone@co.kern.ca.us Should you have any further questions please don't hesitate to contact me.
Eval Division: Kern County Env Health Services Department
Eval Program: HW
Eval Source: CERS

GRAPEVINE OIL (Continued) **S121763521**

Eval General Type:	Other/Unknown
Eval Date:	02-25-2014
Violations Found:	Yes
Eval Type:	Other, not routine, done by local agency
Eval Notes:	Not reported
Eval Division:	Kern County Env Health Services Department
Eval Program:	HMRRP
Eval Source:	CERS

Enforcement Action:

Site ID:	34198
Site Name:	GRAPEVINE OIL
Site Address:	7248 VALPREDO RD
Site City:	METTLER
Site Zip:	93313
Enf Action Date:	02-25-2014
Enf Action Type:	Notice of Violation (Unified Program)
Enf Action Description:	Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes:	Not reported
Enf Action Division:	Kern County Env Health Services Department
Enf Action Program:	HMRRP
Enf Action Source:	CERS

Site ID:	34198
Site Name:	GRAPEVINE OIL
Site Address:	7248 VALPREDO RD
Site City:	METTLER
Site Zip:	93313
Enf Action Date:	05-31-2016
Enf Action Type:	Notice of Violation (Unified Program)
Enf Action Description:	Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes:	Not reported
Enf Action Division:	Kern County Env Health Services Department
Enf Action Program:	APSA
Enf Action Source:	CERS

Site ID:	34198
Site Name:	GRAPEVINE OIL
Site Address:	7248 VALPREDO RD
Site City:	METTLER
Site Zip:	93313
Enf Action Date:	10-28-2016
Enf Action Type:	Notice of Violation (Unified Program)
Enf Action Description:	Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes:	Not reported
Enf Action Division:	Kern County Env Health Services Department
Enf Action Program:	APSA
Enf Action Source:	CERS

Affiliation:

Affiliation Type Desc:	Environmental Contact
Entity Name:	Cindy Muller
Entity Title:	Not reported
Affiliation Address:	18145 E. Telegraph Road
Affiliation City:	Santa Paula
Affiliation State:	CA

GRAPEVINE OIL (Continued) **S121763521**

Affiliation Country:	Not reported
Affiliation Zip:	9393061
Affiliation Phone:	(562) 505-6080

Affiliation Type Desc:	Parent Corporation
Entity Name:	SAWYER PETROLEUM
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported

Affiliation Type Desc:	Facility Mailing Address
Entity Name:	Mailing Address
Entity Title:	Not reported
Affiliation Address:	1543 W. 16th St.
Affiliation City:	Long Beach
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	90813
Affiliation Phone:	Not reported

Affiliation Type Desc:	CUPA District
Entity Name:	Kern County Environmental Health Services Departme
Entity Title:	Not reported
Affiliation Address:	2700 M Street, Suite 300
Affiliation City:	Bakersfield
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	93301-2370
Affiliation Phone:	(661) 862-8740

Affiliation Type Desc:	Identification Signer
Entity Name:	Cindy Muller
Entity Title:	General Manager
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported

Affiliation Type Desc:	Legal Owner
Entity Name:	MATT CULLEN
Entity Title:	Not reported
Affiliation Address:	1543 W 16th St.
Affiliation City:	Long Beach
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	90813
Affiliation Phone:	(562) 432-3946

Affiliation Type Desc:	Operator
Entity Name:	Cindy Muller
Entity Title:	Not reported

GRAPEVINE OIL (Continued) **S121763521**

Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: (562) 505-6080

CERS TANKS:
Site ID: 34198
CERS ID: 10231984
CERS Description: Chemical Storage Facilities

Violations:
Site ID: 34198
Site Name: GRAPEVINE OIL
Violation Date: 12-21-2015
Citation: HSC 6.5 Multiple Sections - California Health and Safety Code, Chapter 6.5, Section(s) Multiple Sections
Violation Description: Haz Waste Generator Program - Operations/Maintenance - General
Violation Notes: Returned to compliance on 01/15/2016. During the inspection it was observed that there are numerous 55 gallon metal drums, 275 gallon totes, 200+ gallon metal tanks that are empty with no "Date when emptied" ***CORRECTIVE ACTION: Please read through the Guidance Document regarding Empty Container Management and provide inspector Evie Shamoon with a resolution to your empty containers. For example if having the containers removed off site please provide a manifest/invoice/receipt. Please also send a photograph to shamoone@co.kern.ca.us to show evidence of compliance.
Violation Division: Kern County Env Health Services Department
Violation Program: HW
Violation Source: CERS

Site ID: 34198
Site Name: GRAPEVINE OIL
Violation Date: 12-21-2015
Citation: HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Description: Failure to complete and electronically submit hazardous material inventory information for all reportable hazardous materials on site at or above reportable quantities.
Violation Notes: Returned to compliance on 05/31/2017. Failure to report in California Environmental Reporting System (CERS) all reportable quantities of hazardous materials and waste streams in your hazardous materials inventory. ***CORRECTIVE ACTION: Update your hazardous materials inventory in CERS to include the following items; 1) Two pump oil tanks that have the potential to hold approx 5,000 gallons located behind Tank #505 2) Tank H596 that stores 15W-40 oil (approx 12,000 gallons) 3) Tank #101 (2,100 gallons) Hydraulic Oil 4) Tank #202 (2,100 gallons) Hydraulic Oil 5) Tank #303 (2,100 gallons) Undetermined substance. There are two labels one for Transmission fluid and hydraulic fluid 6) Tank #404 (2,100 gallons) GVO Heavy duty 30 7) Drained/Used Oil filters 8) Change from Diesel to MOTOR OIL 15-40 this is for the tank that has 7,500 gallon capability.
Violation Division: Kern County Env Health Services Department
Violation Program: HMRRP
Violation Source: CERS

GRAPEVINE OIL (Continued) **S121763521**

Site ID:	34198
Site Name:	GRAPEVINE OIL
Violation Date:	12-21-2015
Citation:	HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Description:	Failure to complete and electronically submit a site map with all required content.
Violation Notes:	Returned to compliance on 03/03/2016. The site map provided in CERS does not meet the annotated site map requirements. There are no cross streets, no orientation arrows (N,S,E,W), the location of hazardous materials and waste is not depicted in your map, parking lots and emergency evacuation points are not depicted, location of all buildings & structures, adjacent property use, etc. ***CORRECTIVE ACTION: Please submit a map in CERS that meets the site map requirements.
Violation Division:	Kern County Env Health Services Department
Violation Program:	HMRRP
Violation Source:	CERS

Site ID:	34198
Site Name:	GRAPEVINE OIL
Violation Date:	12-21-2015
Citation:	HSC 6.67 25270.4.5(a) - California Health and Safety Code, Chapter 6.67, Section(s) 25270.4.5(a)
Violation Description:	Failure to have technical amendment(s) certified by a professional engineer for a qualified facility.
Violation Notes:	Returned to compliance on 05/31/2017. During the review of the Spill Prevention Control and Countermeasures Plan (SPCC Plan) it was noted that there is a tank located just west of tank #10 that is not incorporated in the SPCC plan. There are no technical amendments indicating the addition of the polyethylene tank. The unidentified tank has a capacity of 2,000 gallons. ***CORRECTIVE ACTION: An amendment to the Spill Control and Countermeasures Plan shall include the unidentified tank located just west of Tank #10.
Violation Division:	Kern County Env Health Services Department
Violation Program:	APSA
Violation Source:	CERS

Site ID:	34198
Site Name:	GRAPEVINE OIL
Violation Date:	12-21-2015
Citation:	22 CCR 12 66262.34(f) - California Code of Regulations, Title 22, Chapter 12, Section(s) 66262.34(f)
Violation Description:	Failure to properly label hazardous waste accumulation containers with the following requirements: "Hazardous Waste", name and address of the generator, physical and chemical characteristics of the Hazardous Waste, and starting accumulation date.
Violation Notes:	Returned to compliance on 01/15/2016. During the inspection it was noted that all hazardous waste containers, product containers and empty containers do not have proper label affixed to the outside of containers. ***CORRECTIVE ACTION: 1) Hazardous waste oil shall be labeled as follow: the words "Used Oil", the words "Hazardous Waste", accumulation date, Composition and physical state, Statement of hazard and name and address of generator 2) Drained/Used Oil filters shall be labeled as follow: the words "Drained Used Oil Filters", Accumulation date To abate this violation please send to inspector Evie Shamoon a photographs of the waste oil, the drained used oil filters, the

GRAPEVINE OIL (Continued) **S121763521**

hazardous materials containers and the empty containers that are properly labeled.

Violation Division: Kern County Env Health Services Department
Violation Program: HW
Violation Source: CERS

Site ID: 34198
Site Name: GRAPEVINE OIL
Violation Date: 12-21-2015
Citation: HSC 6.67 25270.4.5(a) - California Health and Safety Code, Chapter 6.67, Section(s) 25270.4.5(a)
Violation Description: Failure to include inspections of tank supports/foundation, deterioration, discharges and/or accumulations of oil inside diked areas, and comparison records in the records of inspections (or customary business records).
Violation Notes: During the inspection aboveground tanks inspection logs were not readily available. According to Section 4.0(e) of the SPCC plan, the form in Appendix C shall be filled out during the daily inspection. ***CORRECTIVE ACTION: Provide to inspector Evie Shamoon inspection logs from Appendix C - Tank inspection logs for the following dates: - January 2013 and November 2013 - February 2014 and December 2014 - March 2015 and October 2015. If records are not available, notify inspector Evie Shamoon and begin using the "TANK FARM INSPECTION FORM" that is provided in Appendix C of Grapevine Oil's SPCC plan's.
Violation Division: Kern County Env Health Services Department
Violation Program: APSA
Violation Source: CERS

Site ID: 34198
Site Name: GRAPEVINE OIL
Violation Date: 12-21-2015
Citation: 22 CCR 16 66266.130 - California Code of Regulations, Title 22, Chapter 16, Section(s) 66266.130
Violation Description: Failure to properly handle, manage, label, and recycle used oil and fuel filters.
Violation Notes: Returned to compliance on 01/15/2016. During the inspection it was noted that the waste oil and drained used oil filters do not have accumulation dates and improperly labeled. Mr. Cam Paulden stated that the waste streams have been sitting at facility for approximately 2 years. A search on the Department of Toxic Substances Control (DTSC) yields no hazardous waste manifests for Grapevine Oil. ***CORRECTIVE ACTION: 1) Hazardous waste oil shall be labeled as follow: the words "Used Oil", the words "Hazardous Waste", accumulation date, Composition and physical state, Statement of hazard and name and address of generator 2) Drained/Used Oil filters shall be labeled as follow: the words "Drained Used Oil Filters", Accumulation date To abate this violation please have ALL drained/used oil filters and waste oil hauled off the site immediately. Provide to inspector Evie Shamoon a manifest from your waste oil hauler.
Violation Division: Kern County Env Health Services Department
Violation Program: HW
Violation Source: CERS

Site ID: 34198
Site Name: GRAPEVINE OIL
Violation Date: 12-21-2015
Citation: HSC 6.67 25270.4.5(a) - California Health and Safety Code, Chapter

GRAPEVINE OIL (Continued) **S121763521**

6.67, Section(s) 25270.4.5(a)

Violation Description: Failure to comply with all of the following requirements: 1. Failure to conduct inspections and tests in accordance with written procedures that you or a certifying engineer have developed for the facility. 2. Failure to sign written procedures and/or a record of inspections and/or customary business records by the appropriate supervisor or inspector. 3. Failure to keep written procedures and/or a record of inspections and/or customary business records with the plan. AND 4. Failure to maintain written procedures and/or a record of inspections and/or customary business records for three years.

Violation Notes: Returned to compliance on 05/31/2017. During the inspection personnel training records, tank integrity test results and aboveground tanks inspection logs were not readily available. According to Section 4.0(e) of the SPCC plan, the form in Appendix C shall be filled out during the daily inspection. All records are to be maintained on site for a minimum of three years. ***CORRECTIVE ACTION: Provide to inspector Evie Shamoon with scanned copies of the following records: 1) A record of all repairs to pipes, tanks and containment devices (if applicable) 2) Appendix C - Tank inspection logs from January 2013, November 2013, February 2014, December 2014, March 2015 and October 2015. 3) Copy(ies) of Tank integrity Test results for above ground tanks 4) Appendix D - Record(s) of training activities and personnel involved for 2013, 2014, 2015.

Violation Division: Kern County Env Health Services Department
Violation Program: APSA
Violation Source: CERS

Site ID: 34198
Site Name: GRAPEVINE OIL
Violation Date: 12-21-2015
Citation: HSC 6.67 25270.4.5(a) - California Health and Safety Code, Chapter 6.67, Section(s) 25270.4.5(a)

Violation Description: Failure of the containment systems, including walls and floors to be sufficiently impervious to contain oil.

Violation Notes: During the inspection it was determined that the Area 2 secondary containment walls are built of a non-coated porous brick material. One corner of the Area 2 containment sump shows visible fractures along brick wall. The outer containment walls show that oil has permeated through the porous walls. ***CORRECTIVE ACTION: Consult with the professional engineer prior to making any changes/upgrades. Provide to this department with a resolution for Area 2 porous containment sump walls.

Violation Division: Kern County Env Health Services Department
Violation Program: APSA
Violation Source: CERS

Site ID: 34198
Site Name: GRAPEVINE OIL
Violation Date: 12-21-2015
Citation: HSC 6.67 25270.4.5(a) - California Health and Safety Code, Chapter 6.67, Section(s) 25270.4.5(a)

Violation Description: Failure to integrity test aboveground tanks by such methods as hydrostatic, nondestructive, etc.

Violation Notes: Returned to compliance on 05/31/2017. At the time of the inspection, the tank integrity test results were not readily available. According to page 12 of Grapevine Oil's SPCC plan, Section 4.0(e) Grapevine Oil Company will combine visual inspection with another testing technique

GRAPEVINE OIL (Continued) **S121763521**

such as hydrostatic testing, radiographic testing, ultrasonic testing, acoustic emissions testing or another system of non-destructive shell testing. During the inspection it was noted that tank 13 continues to have damaged/dent approximately mid height of the tank side wall. Per condition 5 of the SPCC Plan: Sand and coat rust exposed metal on red diesel tank (No. 13) where a dent was observe at approximately mid height of the tank side wall. ***CORRECTIVE ACTION: Send testing results for all metal tanks (Tank No: 5, 6, 7, 8, 11, 12, 13, 14, 15) to inspector Evie Shamoon to shamoone@co.kern.ca.us

Violation Division: Kern County Env Health Services Department
Violation Program: APSA
Violation Source: CERS

Site ID: 34198
Site Name: GRAPEVINE OIL
Violation Date: 12-21-2015
Citation: 22 CCR 12 66262.34(d) - California Code of Regulations, Title 22, Chapter 12, Section(s) 66262.34(d)
Violation Description: Failure to dispose of hazardous waste within 180 days (or 270 if waste is transported over 200 miles) for the generator who generates less than 1000 kilogram per month, but more than 100 kilograms per month.
Violation Notes: Returned to compliance on 01/15/2016. At the time of the inspection Mr. Cam Paulden stated that the waste streams have been sitting at facility for approximately 2 years. A search on the Department of Toxic Substances Control (DTSC) yields no hazardous waste manifests for Grapevine Oil. ***CORRECTIVE ACTION: To abate this violation please have ALL drained/used oil filters and waste oil hauled off the site immediately. Provide to inspector Evie Shamoon a manifest from your waste oil hauler.
Violation Division: Kern County Env Health Services Department
Violation Program: HW
Violation Source: CERS

Site ID: 34198
Site Name: GRAPEVINE OIL
Violation Date: 12-21-2015
Citation: HSC 6.67 25270.4.5(a) - California Health and Safety Code, Chapter 6.67, Section(s) 25270.4.5(a)
Violation Description: Failure to maintain SPCC plan onsite (applies if facility is manned at least four (4) hours per day).
Violation Notes: Returned to compliance on 12/21/2015. At the time of the inspection, the Spill Prevention Control and Countermeasure Plan (SPCC Plan) was not available for review. According to section 2.2 of the SPCC plan, Grapevine Oil Company shall have on site a copy of the SPCC plan for on-site review during normal business hours. ***CORRECTIVE ACTION: Retain a copy of the SPCC plan on site. On 12/21/2015 Ms. Lisa Gunter emailed a copy of the Spill Prevention Countermeasures and Control Plan (SPCC) to inspector Evie Shamoon. NO FURTHER ACTION REQUIRED.
Violation Division: Kern County Env Health Services Department
Violation Program: APSA
Violation Source: CERS

Site ID: 34198
Site Name: GRAPEVINE OIL
Violation Date: 12-21-2015
Citation: HSC 6.67 Multiple - California Health and Safety Code, Chapter 6.67, Section(s) Multiple

GRAPEVINE OIL (Continued) **S121763521**

Violation Description: APSA Program - Administration/Documentation - General
Violation Notes: Returned to compliance on 06/05/2017. After reviewing the Spill Prevention Control and Countermeasure Plan (SPCC Plan) it was determined that overfill prevention is not addressed in the plan. ***CORRECTIVE ACTION: An amendment to the Spill Control and Countermeasures Plan shall address overfill prevention methods.
Violation Division: Kern County Env Health Services Department
Violation Program: APSA
Violation Source: CERS

Site ID: 34198
Site Name: GRAPEVINE OIL
Violation Date: 12-21-2015
Citation: HSC 6.95 25507 - California Health and Safety Code, Chapter 6.95, Section(s) 25507
Violation Description: Failure to adequately establish and implement a business plan when storing/handling a hazardous material at or above reportable quantities.
Violation Notes: Returned to compliance on 03/09/2016. During the inspection it was also noted that Tank #303 has two labels one label says it contains Transmission fluid and a second label that says Hydraulic fluid. ***CORRECTIVE ACTION: Determine contents inside Tank #303 and properly label the tank. Ensure that all other containers containing hazardous materials shall be labeled with the proper content inside. Send a photograph of tank #303 to inspector Evie Shamoon shamoone@co.kern.ca.us
Violation Division: Kern County Env Health Services Department
Violation Program: HMRRP
Violation Source: CERS

Site ID: 34198
Site Name: GRAPEVINE OIL
Violation Date: 12-21-2015
Citation: HSC 6.67 25270.4.5(a) - California Health and Safety Code, Chapter 6.67, Section(s) 25270.4.5(a)
Violation Description: Failure to promptly correct the causes of leaks that result in accumulations of oil in diked areas.
Violation Notes: Condition #2 of the SPCC plan states as follows "Pressure wash and steam clean to remove oil residue inside the containment areas". During the inspection it was noted that the secondary containment for Area 2 has a ring along the inner side walls indicating the height of released gasoline/diesel. At the time of the inspection there was a substantial amount of fuel in containment. The puddled accumulation of fuel is located at the south east corner of the containment sump at the deteriorated wall. ***CORRECTIVE ACTION: Due to deterioration of the south east corner of the containment wall, have the professional engineer develop a course of action in removing fuel and sealing after rebuilding or plans for a new containment wall. submit plans, photographic evidence and waste manifest for the accumulation of waste generated after cleaning the containment sump. Email manifest to shamoone@co.kern.ca.us
Violation Division: Kern County Env Health Services Department
Violation Program: APSA
Violation Source: CERS

Site ID: 34198
Site Name: GRAPEVINE OIL

GRAPEVINE OIL (Continued) **S121763521**

Violation Date: 12-21-2015
Citation: 40 CFR 1 265.174 - U.S. Code of Federal Regulations, Title 40, Chapter 1, Section(s) 265.174
Violation Description: Failure to inspect hazardous waste storage areas at least weekly.
Violation Notes: Returned to compliance on 01/15/2016. Failure to inspect hazardous waste streams on a weekly basis. ***CORRECTIVE ACTION: Begin inspecting hazardous waste streams on a weekly basis and record weekly inspection. Send inspection logs to shamoone@co.kern.ca.us
Violation Division: Kern County Env Health Services Department
Violation Program: HW
Violation Source: CERS

Site ID: 34198
Site Name: GRAPEVINE OIL
Violation Date: 12-21-2015
Citation: 22 CCR 12 66262.40(a) - California Code of Regulations, Title 22, Chapter 12, Section(s) 66262.40(a)
Violation Description: Failure to maintain uniform hazardous waste manifest, consolidated manifest, or bills of lading copies for three years.
Violation Notes: Returned to compliance on 01/15/2016. Failure to have manifests readily available during the inspection. ***CORRECTIVE ACTION: Provide to inspector Evie Shamoon 3 years worth of manifests from your hazardous waste hauler. Send manifests to shamoone@co.kern.ca.us If no hazardous waste manifests are available, Notify inspector Evie Shamoon and provide the manifest requested in VIOLATION H296. Send manifest to shamoone@co.kern.ca.us
Violation Division: Kern County Env Health Services Department
Violation Program: HW
Violation Source: CERS

Site ID: 34198
Site Name: GRAPEVINE OIL
Violation Date: 12-21-2015
Citation: 40 CFR 1 265.172 - U.S. Code of Federal Regulations, Title 40, Chapter 1, Section(s) 265.172
Violation Description: Failure to accumulate or store hazardous waste in a lined/compatible container.
Violation Notes: Returned to compliance on 03/09/2016. During the inspection it was noted that waste oil is being stored in a 275 gallon polyethylene tote that has been cut along top and covered with a blue tarp. Hazardous waste oil shall be stored in containers/tanks that are kept closed, rainproof, capable of containing any oil and secured during transfer. ***CORRECTIVE ACTION: Store your hazardous waste oil in a compatible container such as UL listed tank or 55 gallon metal drums. Provide to this department a photograph of the new storage container for the waste oil.
Violation Division: Kern County Env Health Services Department
Violation Program: HW
Violation Source: CERS

Site ID: 34198
Site Name: GRAPEVINE OIL
Violation Date: 12-21-2015
Citation: HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Description: Failure to establish and electronically submit an adequate training program in safety procedures in the event of a release or threatened

GRAPEVINE OIL (Continued) **S121763521**

release of a hazardous material.

Violation Notes: Failure to provide in CERS an adequate employee training plan. Lack of training is evident at the site as a result of poor management practices. ***CORRECTIVE ACTION: Provide in CERS an acceptable training plan. Also provide to this department a roster or training log to the employees.
Violation Division: Kern County Env Health Services Department
Violation Program: HMRRP
Violation Source: CERS

Site ID: 34198
Site Name: GRAPEVINE OIL
Violation Date: 12-21-2015
Citation: HSC 6.67 25270.4.5(a) - California Health and Safety Code, Chapter 6.67, Section(s) 25270.4.5(a)
Violation Description: Failure to prepare and implement a Spill Prevention Control and Countermeasure (SPCC) Plan .
Violation Notes: Returned to compliance on 05/31/2017. While reviewing the Spill Prevention Control and Countermeasure Plan (SPCC Plan) it was deemed by the inspectors that the SPCC plan has not been fully implemented by Grapevine Oil Company. Below is a list of issues that contribute to the improper implementation of the SPCC Plan. 1) On page 4 of the SPCC Plan Ms. Lisa Gunter's signature and date signed are missing. 2) On page 5 the following conditions have been violated: condition #1, #2, #3, #4, #5, #8. - CONDITION #1: Remove tanks 5 and 6 (Figure 2) of the SPCC plan as they are no longer in use and do not have secondary containment. - CONDITION #2: Clean inside of containment areas by removing all debris and foreign material not part of the secondary containment. Pressure wash and steam clean to remove oil residues inside the containment areas. Repeat this for the load and unload area located between tanks 14 and 15. - CONDITION #3: Remove empty drums from the site and remove and/or consolidate empty tanks. - [Truncated]
Violation Division: Kern County Env Health Services Department
Violation Program: APSA
Violation Source: CERS

Site ID: 34198
Site Name: GRAPEVINE OIL
Violation Date: 02-25-2014
Citation: HSC 6.95 25505(a) - California Health and Safety Code, Chapter 6.95, Section(s) 25505(a)
Violation Description: Owner/Operator failed to complete and/or submit a Hazardous Materials Business Plan when storing hazardous materials at or above the thresholds quantities of 55 gallons/500 lbs/200 cubic feet.
Violation Notes: Returned to compliance on 03/25/2014. Failure to submit in CERS
Violation Division: Kern County Env Health Services Department
Violation Program: HMRRP
Violation Source: CERS

Site ID: 34198
Site Name: GRAPEVINE OIL
Violation Date: 12-21-2015
Citation: HSC 6.67 25270.4.5(a) - California Health and Safety Code, Chapter 6.67, Section(s) 25270.4.5(a)
Violation Description: Failure to construct tanks out of materials compatible to the oil stored and the conditions of storage such as pressure and temperature.
Violation Notes: Returned to compliance on 01/20/2016. According to page 10 of the SPCC

GRAPEVINE OIL (Continued) **S121763521**

plan, Section 4.0(b) PREDICTION OF POTENTIAL OIL DISCHARGE: there are six (6) plastic (polyethylene) tanks that store various oil products. During the inspection it was determined that there are seven (7) plastic (polyethylene) tanks storing incompatible materials. Flammable liquids may not be stored in plastic or polyethylene containers and/or tanks. ***CORRECTIVE ACTION: Issue will be referred to Kern County Fire Prevention for further evaluation and direction. Contact Tom Ellison or Anthony Romero for further questions (661) 862-8750.

Violation Division: Kern County Env Health Services Department
Violation Program: APSA
Violation Source: CERS

Site ID: 34198
Site Name: GRAPEVINE OIL
Violation Date: 12-21-2015
Citation: HSC 6.67 25270.4.5(a) - California Health and Safety Code, Chapter 6.67, Section(s) 25270.4.5(a)
Violation Description: Failure to perform periodic integrity and leak testing of buried piping.
Violation Notes: At the time of the inspection, documentation of integrity and leak testing for the underground piping from the bulk storage in Area 2 and 3 to the four card lock dispensers was not available. ***CORRECTIVE ACTION: Provide documentation of tightness/integrity test results of buried piping. If not available, conduct piping tightness testing by a certified testing company and submit results to inspector Evie Shamoon. Results shall be sent to shamoone@co.kern.ca.us
Violation Division: Kern County Env Health Services Department
Violation Program: APSA
Violation Source: CERS

Site ID: 34198
Site Name: GRAPEVINE OIL
Violation Date: 12-21-2015
Citation: HSC 6.67 25270.4.5(a); - California Health and Safety Code, Chapter 6.67, Section(s) 25270.4.5(a);
Violation Description: Failure to regularly inspect aboveground valves, piping, and appurtenances.
Violation Notes: According to page 15 of the SPCC Plan: Section 5.0(d)(3) Grapevine Oil Company shall inspect valves, piping and appurtenances. During the inspection aboveground tanks inspection logs were not readily available. According to page 13 of the SPCC Plan: Section 4.0(e) of the SPCC plan, the form in Appendix C shall be filled out during the daily inspection. ***CORRECTIVE ACTION: Provide to inspector Evie Shamoon with inspection logs from Appendix C - Tank inspection logs for the following dates: - January 2013 and November 2013 - February 2014 and December 2014 - March 2015 and October 2015. If records are not available, notify inspector Evie Shamoon and begin using the "TANK FARM INSPECTION FORM" that is provided in Appendix C of Grapevine Oil’s SPCC plan’s.
Violation Division: Kern County Env Health Services Department
Violation Program: APSA
Violation Source: CERS

Site ID: 34198
Site Name: GRAPEVINE OIL
Violation Date: 12-21-2015
Citation: HSC 6.67 Multiple - California Health and Safety Code, Chapter 6.67,

GRAPEVINE OIL (Continued) **S121763521**

Section(s) Multiple
Violation Description: APSA Program - Operations/Maintenance - General
Violation Notes: Returned to compliance on 03/02/2016. According to the Spill Prevention Control and Countermeasures (SPCC) plan, page 5 of the SPCC plan states that tanks 5 and 6 are slated for removal as they are no longer in use and do not have secondary containment. At the time of the inspection it was noted that tanks 5 and 6 have not been removed nor properly closed in accordance with 40 CFR 112.2. Tanks 5 and 6 contain liquid at the bottom of each tank and neither tank has a conspicuous sign indicating closure. ***CORRECTIVE ACTION: Provide to this department a resolution for tanks 5 and 6. Send evidence of compliance to Evie Shamoon shamoone@co.kern.ca.us
Violation Division: Kern County Env Health Services Department
Violation Program: APSA
Violation Source: CERS

Site ID: 34198
Site Name: GRAPEVINE OIL
Violation Date: 12-21-2015
Citation: HSC 6.67 25270.4.5(a) - California Health and Safety Code, Chapter 6.67, Section(s) 25270.4.5(a)
Violation Description: Failure to provide and maintain adequate secondary containment.
Violation Notes: During the inspection it was deemed that the secondary containments for Area 1 and Area 2 are improperly maintained. (See Figure 2 of the SPCC plan for site details) There is excess debris inside containment sump for Area 1. The inspector deemed a failure to maintain the secondary containment walls for Area 2. There is evidence of deterioration of the sump walls of Area 2 (located at the south west corner of the sump). There is piping going through Area 2 containment walls that have not been sealed as per Condition 6 of the SPCC plan. Area 2 sump has accumulation of what appears to be diesel/gasoline at the deteriorated corner. There is debris inside Area 2 containment sump near the North fence. ***CORRECTIVE ACTION: Provide to this department with a resolution for Area 2 deteriorating walls. Remove all debris and liquid from inside containment. Provide photographic evidence to inspector Evie Shamoon. Send photographs to shamoone@co.kern.ca.us
Violation Division: Kern County Env Health Services Department
Violation Program: APSA
Violation Source: CERS

Site ID: 34198
Site Name: GRAPEVINE OIL
Violation Date: 12-21-2015
Citation: HSC 6.67 25270.4.5(a) - California Health and Safety Code, Chapter 6.67, Section(s) 25270.4.5(a)
Violation Description: Failure to adequately discuss the facility transfer operations, pumping, and facility process within the SPCC plan.
Violation Notes: Returned to compliance on 05/31/2017. During the review of the Spill Prevention Control and Countermeasure Plan (SPCC) it was determined that the professional engineer has failed to adequately discuss the facility layout, containers and storage capacity, overfill prevention methods, corrosion protection for buried piping. 1) During the review of the SPCC Plan, it was determined that there is an unidentified polyethylene tank located just west of tank #10. There are no technical amendments included with the SPCC Plan. 2) During the review of the SPCC Plan, it was determined that there are inconsistencies

GRAPEVINE OIL (Continued) **S121763521**

within the SPCC Plan. a) On pg 10: Area 1 lists six (6) 2,000 gallon plastic tanks, the facility currently has seven (7) b) On pg 12: Area 1 states that there are two (2) 5,550 gallon tanks whereas on page 10 states there are two(2) 550 gallon tanks. Table 1 of the SPCC plan also indicates two 550 gallon tanks. c) On pg 12: Section 4.0(e) states to test each aboveground container for integrity on a [Truncated]

Violation Division: Kern County Env Health Services Department
Violation Program: APSA
Violation Source: CERS

Site ID: 34198
Site Name: GRAPEVINE OIL
Violation Date: 12-21-2015
Citation: 40 CFR 1 265.35 - U.S. Code of Federal Regulations, Title 40, Chapter 1, Section(s) 265.35
Violation Description: Failure to maintain aisle space to allow the unobstructed movement of personnel, fire protection, spill control equipment, and decontamination equipment to any area of facility operation in an emergency, unless it can be demonstrated to the Department that aisle space is not needed for any of these purposes.
Violation Notes: Returned to compliance on 01/15/2016. During the inspection it was noted that there is no aisle space in the hazardous waste container area. The hazardous waste drums are obstructed by empty drums. According to 40 CFR 265.35 you must maintain aisle space to allow the unobstructed movement of personnel, fire protection equipment, spill control equipment and decontamination equipment to any area of the facility operation in an emergency. ***CORRECTIVE ACTION: Provide to inspector Evie Shamoon a photograph demonstrating that proper aisle space has been implemented. Photograph shall be sent to shamoone@co.kern.ca.us
Violation Division: Kern County Env Health Services Department
Violation Program: HW
Violation Source: CERS

Evaluation:
Eval General Type: Compliance Evaluation Inspection
Eval Date: 12-21-2015
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Please note that for a number of violations you will have fourty five (45) days to comply. On the remaining violations you will have thirty (30) days from the date the violations were cited to come into full compliance. Once all the violations have been completed, sign the last page of each inspection report to confirm full compliance has been met. Send me the signed last page to my email Shamoone@co.kern.ca.us Should you have any further questions please don't hesitate to contact me. Accompanied by APSA Inspector Shelly Lee
Eval Division: Kern County Env Health Services Department
Eval Program: APSA
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 12-21-2015
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: You will have thirty (30) days from the date the violations were cited

GRAPEVINE OIL (Continued) **S121763521**

to come into full compliance. Once all the violations have been completed, sign the last page of each inspection report to confirm full compliance has been met. Send me the signed last page to my email Shamoone@co.kern.ca.us Should you have any further questions please don't hesitate to contact me.

Eval Division: Kern County Env Health Services Department
Eval Program: HMRRP
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 12-21-2015
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: You will have thirty (30) days from the date the violations were cited to come into full compliance. Once all the violations have been completed, sign the last page of each inspection report to confirm full compliance has been met. Send me the signed last page to my email Shamoone@co.kern.ca.us Should you have any further questions please don't hesitate to contact me.
Eval Division: Kern County Env Health Services Department
Eval Program: HW
Eval Source: CERS

Eval General Type: Other/Unknown
Eval Date: 02-25-2014
Violations Found: Yes
Eval Type: Other, not routine, done by local agency
Eval Notes: Not reported
Eval Division: Kern County Env Health Services Department
Eval Program: HMRRP
Eval Source: CERS

Enforcement Action:
Site ID: 34198
Site Name: GRAPEVINE OIL
Site Address: 7248 VALPREDO RD
Site City: METTLER
Site Zip: 93313
Enf Action Date: 02-25-2014
Enf Action Type: Notice of Violation (Unified Program)
Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes: Not reported
Enf Action Division: Kern County Env Health Services Department
Enf Action Program: HMRRP
Enf Action Source: CERS

Site ID: 34198
Site Name: GRAPEVINE OIL
Site Address: 7248 VALPREDO RD
Site City: METTLER
Site Zip: 93313
Enf Action Date: 05-31-2016
Enf Action Type: Notice of Violation (Unified Program)
Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes: Not reported
Enf Action Division: Kern County Env Health Services Department
Enf Action Program: APSA

GRAPEVINE OIL (Continued) **S121763521**

Enf Action Source:	CERS
Site ID:	34198
Site Name:	GRAPEVINE OIL
Site Address:	7248 VALPREDO RD
Site City:	METTLER
Site Zip:	93313
Enf Action Date:	10-28-2016
Enf Action Type:	Notice of Violation (Unified Program)
Enf Action Description:	Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes:	Not reported
Enf Action Division:	Kern County Env Health Services Department
Enf Action Program:	APSA
Enf Action Source:	CERS

Affiliation:

Affiliation Type Desc:	Environmental Contact
Entity Name:	Cindy Muller
Entity Title:	Not reported
Affiliation Address:	18145 E. Telegraph Road
Affiliation City:	Santa Paula
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	9393061
Affiliation Phone:	(562) 505-6080
Affiliation Type Desc:	Parent Corporation
Entity Name:	SAWYER PETROLEUM
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported
Affiliation Type Desc:	Facility Mailing Address
Entity Name:	Mailing Address
Entity Title:	Not reported
Affiliation Address:	1543 W. 16th St.
Affiliation City:	Long Beach
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	90813
Affiliation Phone:	Not reported
Affiliation Type Desc:	CUPA District
Entity Name:	Kern County Environmental Health Services Departme
Entity Title:	Not reported
Affiliation Address:	2700 M Street, Suite 300
Affiliation City:	Bakersfield
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	93301-2370
Affiliation Phone:	(661) 862-8740
Affiliation Type Desc:	Identification Signer

GRAPEVINE OIL (Continued) **S121763521**

Entity Name:	Cindy Muller
Entity Title:	General Manager
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported

Affiliation Type Desc:	Legal Owner
Entity Name:	MATT CULLEN
Entity Title:	Not reported
Affiliation Address:	1543 W 16th St.
Affiliation City:	Long Beach
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	90813
Affiliation Phone:	(562) 432-3946

Affiliation Type Desc:	Operator
Entity Name:	Cindy Muller
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	(562) 505-6080

B6 **GRAPEVINE OIL** **AST** **A100420502**
NE **7248 VALPREDO RD** **N/A**
< 1/8 **METTLER, CA 93313**
0.047 mi.
250 ft. **Site 3 of 8 in cluster B**

Relative:
Lower

Actual:
488 ft.

AST:

Certified Unified Program Agencies:	Not reported
Owner:	GRAPEVINE OIL COMPANY
Total Gallons:	Not reported
CERSID:	10231984
Facility ID:	Not reported
Business Name:	GRAPEVINE OIL COMPANY
Phone:	(661) 327-7611
Fax:	661-327-3128
Mailing Address:	PO BOX 10075
Mailing Address City:	BAKERSFIELD
Mailing Address State:	CA
Mailing Address Zip Code:	Not reported
Operator Name:	LISA GUNTER
Operator Phone:	6612015020
Owner Phone:	(661) 201-5020
Owner Mail Address:	PO BOX 10075
Owner State:	CA
Owner Zip Code:	Not reported
Owner Country:	United States
Property Owner Name:	Not reported
Property Owner Phone:	Not reported

GRAPEVINE OIL (Continued) **A100420502**

Property Owner Mailing Address: Not reported
Property Owner City: Not reported
Property Owner Stat : Not reported
Property Owner Zip Code: Not reported
Property Owner Country: Not reported
EPAID: CAL000162790

B7
NE
< 1/8
0.080 mi.
421 ft.

CIRCLE G CORPORATION
1052 METTLER FRONTAGE RD
BAKERSFIELD, CA 93313

EDR Hist Auto **1020389375**
N/A

Site 4 of 8 in cluster B

Relative:
Lower

Actual:
488 ft.

EDR Hist Auto

Year:	Name:	Type:
2004	CIRCLE G CORPORATION	Gasoline Service Stations
2005	CIRCLE G CORPORATION	Gasoline Service Stations

B8
NE
< 1/8
0.080 mi.
423 ft.

CIRCLE G CORPORATION
1061 METTLER FRONTAGE RD
BAKERSFIELD, CA 93313

EDR Hist Auto **1020728249**
N/A

Site 5 of 8 in cluster B

Relative:
Lower

Actual:
488 ft.

EDR Hist Auto

Year:	Name:	Type:
1992	WADKINS SERVICE STATION	Gasoline Service Stations
1993	WADKINS SERVICE STATION	Gasoline Service Stations
1994	WADKINS SERVICE STATION	Gasoline Service Stations
1995	WADKINS SERVICE STATION	Gasoline Service Stations
1996	WADKINS SERVICE STATION	Gasoline Service Stations
1999	WADKINS SERVICE STATION	Gasoline Service Stations
2001	WADKINS SERVICE STATION	Gasoline Service Stations
2002	WADKINS SERVICE STATION	Gasoline Service Stations
2006	CIRCLE G CORPORATION	Gasoline Service Stations
2007	CIRCLE G CORPORATION	Gasoline Service Stations
2008	CIRCLE G CORPORATION	Gasoline Service Stations

B9
NE
< 1/8
0.080 mi.
423 ft.

FREEWAY EXPRESS MART
1061 METTLER FRONTAGE RD W
BAKERSFIELD, CA 93313

UST **U004144498**
N/A

Site 6 of 8 in cluster B

Relative:
Lower

Actual:
488 ft.

UST:

Facility ID:	Not reported
Permitting Agency:	Kern County Environmental Health Services Department
Latitude:	35.07618
Longitude:	-118.97472

KERN CO. UST:

Region:	Kern

FREEWAY EXPRESS MART (Continued) **U004144498**

Facility ID:	FA0001517
CERSID:	10232494
Owner Id:	Not reported
Owner Name:	Not reported

Tank Num:	1
Tank Capacity:	10,000
Common Name:	Not reported
Description:	REGULAR UNLEADED
Number of Compartments:	1
Date of Closure:	Not reported
Mailing Address:	1061 METTLER FRONTAGE RD W
Mailing Address (care of):	BINDER DHALIWAL
Mailing City/State/Zip:	BAKERSFIELD, CA 93313

Tank Num:	2
Tank Capacity:	6,000
Common Name:	Not reported
Description:	PREMIUM UNLEADED
Number of Compartments:	1
Date of Closure:	Not reported
Mailing Address:	1061 METTLER FRONTAGE RD W
Mailing Address (care of):	BINDER DHALIWAL
Mailing City/State/Zip:	BAKERSFIELD, CA 93313

Tank Num:	3
Tank Capacity:	6,000
Common Name:	Not reported
Description:	DIESEL
Number of Compartments:	1
Date of Closure:	Not reported
Mailing Address:	1061 METTLER FRONTAGE RD W
Mailing Address (care of):	BINDER DHALIWAL
Mailing City/State/Zip:	BAKERSFIELD, CA 93313

Tank Num:	A
Tank Capacity:	4,000
Common Name:	Not reported
Description:	PREMIUM UNLEADED
Number of Compartments:	Not reported
Date of Closure:	12/04/1991
Mailing Address:	1061 METTLER FRONTAGE RD W
Mailing Address (care of):	BINDER DHALIWAL
Mailing City/State/Zip:	BAKERSFIELD, CA 93313

Tank Num:	B
Tank Capacity:	6,000
Common Name:	Not reported
Description:	MIDGRADE UNLEADED
Number of Compartments:	Not reported
Date of Closure:	12/04/1991
Mailing Address:	1061 METTLER FRONTAGE RD W
Mailing Address (care of):	BINDER DHALIWAL

FREEWAY EXPRESS MART (Continued) **U004144498**

Mailing City/State/Zip: BAKERSFIELD, CA 93313

Tank Num: C
Tank Capacity: 8,000
Common Name: Not reported
Description: REGULAR UNLEADED
Number of Compartments: Not reported
Date of Closure: 12/04/1991
Mailing Address: 1061 METTLER FRONTAGE RD W
Mailing Address (care of): BINDER DHALIWAL
Mailing City/State/Zip: BAKERSFIELD, CA 93313

Tank Num: D
Tank Capacity: 200
Common Name: Not reported
Description: USED OIL
Number of Compartments: Not reported
Date of Closure: 12/04/1991
Mailing Address: 1061 METTLER FRONTAGE RD W
Mailing Address (care of): BINDER DHALIWAL
Mailing City/State/Zip: BAKERSFIELD, CA 93313

B10 **FREEWAY EXPRESS MART** **CERS TANKS** **S121740237**
NE **1061 METTLER FRONTAGE RD W** **CERS** **N/A**
< 1/8 **BAKERSFIELD, CA 93313**
0.080 mi.
423 ft. **Site 7 of 8 in cluster B**

Relative:
Lower

Actual:
488 ft.

CERS TANKS:
Site ID: 117947
CERS ID: 10232494
CERS Description: Underground Storage Tank

Violations:
Site ID: 117947
Site Name: FREEWAY EXPRESS MART
Violation Date: 02-03-2016
Citation: HSC 6.7 25290.1(e) - California Health and Safety Code, Chapter 6.7, Section(s) 25290.1(e)
Violation Description: Failure to maintain the interstitial space under constant vacuum, pressure, or hydrostatic such that a breach in the primary or secondary containment is detected before the liquid or vapor phase of the hazardous substance stored in the UST tank is released into the environment. (Product Tight)
Violation Notes: Returned to compliance on 02/25/2016. OBSERVATION: During the monitoring certification smart sensor S7 (87 Product) float cup was broken and shall be replacement. When the high liquid sensor was tested, a "High Liquid" alarm was displayed on the TLS-350 monitoring panel. Also during the monitoring certification smart sensor S6(Vapor Return) failed to send an alarm to the TLS-350 indicating "no vacuum". The entire vacuum was lost and the TLS-350 failed to recognize the loss of vacuum. The tester determined that the ball float was damaged causing the line to lose vacuum entirely. After the vacuum was restored the sensor failed to recognize the "No Vacuum" alarm. Smart sensor S6 was deemed to be a bad sensor. ***CORRECTIVE ACTION: Replace smart sensor S6 and smart sensor S7 cup and send retest results to

FREEWAY EXPRESS MART (Continued) **S121740237**

	hazmatprogram@co.kern.ca.us
Violation Division:	Kern County Env Health Services Department
Violation Program:	UST
Violation Source:	CERS
Site ID:	117947
Site Name:	FREEWAY EXPRESS MART
Violation Date:	02-03-2016
Citation:	HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Description:	Failure to complete and electronically submit hazardous material inventory information for all reportable hazardous materials on site at or above reportable quantities.
Violation Notes:	Returned to compliance on 05/16/2016. OBSERVATION: There is a propane tank located behind the Freeway Express Mart that is not reported in the hazardous materials inventory. The propane looks ***CORRECTIVE ACTION: Please include the propane tank in the hazardous materials inventory in CERS.
Violation Division:	Kern County Env Health Services Department
Violation Program:	HMRRP
Violation Source:	CERS
Site ID:	117947
Site Name:	FREEWAY EXPRESS MART
Violation Date:	03-02-2015
Citation:	HSC 6.7 25291 - California Health and Safety Code, Chapter 6.7, Section(s) 25291
Violation Description:	Failure to maintain under-dispenser containment, sumps, and/or other secondary containment in good condition and/or free of debris/liquid.
Violation Notes:	Returned to compliance on 12/01/2015. The 87 turbine sump contained water.
Violation Division:	Kern County Env Health Services Department
Violation Program:	UST
Violation Source:	CERS
Site ID:	117947
Site Name:	FREEWAY EXPRESS MART
Violation Date:	02-21-2018
Citation:	HSC 6.7 25284(a)(3)(A)&(B) - California Health and Safety Code, Chapter 6.7, Section(s) 25284(a)(3)(A)&(B)
Violation Description:	Failure to implement or maintain a written agreement between the UST owner and operator.
Violation Notes:	The facility has not completed the annual hazardous material business plan submittal process on the California Environmental Reporting System (http://cers.calepa.ca.gov/). The last complete CERS submittal was in April, 2015 and the last UST submittal was in February, 2016. Please review and electronically certify that the hazardous materials business plan (HMBP) is complete, accurate, and up to date. This violation shall be corrected within 30 days.
Violation Division:	Kern County Env Health Services Department
Violation Program:	UST
Violation Source:	CERS
Site ID:	117947
Site Name:	FREEWAY EXPRESS MART
Violation Date:	02-03-2016
Citation:	HSC 6.75 25299.30-25299.34 - California Health and Safety Code,

FREEWAY EXPRESS MART (Continued) **S121740237**

Chapter 6.75, Section(s) 25299.30-25299.34
Violation Description: Failure to submit and maintain complete and current Certification of Financial Responsibility or other mechanism of financial assurance.
Violation Notes: Returned to compliance on 02/26/2016. OBSERVATION: During the inspection it was determined that the Certificate of Financial responsibility and the Letter from Chief Financial Officer are expired. Mrs. Binder Daliwal signed both documents on 02/02/2015. Within the CERTIFICATE OF FINANCIAL RESPONSIBILITY there is an error listed under COVERAGE AMOUNT for the State UST Fund. The document lists $95,000.00. However, the correct coverage amount is $995,000.00. Within the LETTER FROM CHIEF FINANCIAL OFFICER Line #1, Line #2, Line #3 and Line #4 list numbers are inaccurate and and do not reflect actual tangible assets, total liabilities and tangible net worth. ***CORRECTIVE ACTION: 1) CERTIFICATE OF FINANCIAL RESPONSIBILITY: Update this form to list the correct coverage amount for State UST Fund. The correct coverage amount for the State UST Fund is $995,000.00. The Tank Owner shall sign the bottom of the page. It is strongly advised to change the coverage period of the Chief Financial officer Letter from [Truncated]
Violation Division: Kern County Env Health Services Department
Violation Program: UST
Violation Source: CERS

Site ID: 117947
Site Name: FREEWAY EXPRESS MART
Violation Date: 03-02-2015
Citation: HSC 6.75 25299.30-25299.34 - California Health and Safety Code, Chapter 6.75, Section(s) 25299.30-25299.34
Violation Description: Failure to submit and maintain complete and current Certification of Financial Responsibility or other mechanism of financial assurance.
Violation Notes: Returned to compliance on 02/26/2016. The financial information on the Letter from the Chief Financial Officer is incorrect. If this facility has an unauthorized release, the errors on this document could be sufficient for the State to deny coverage for cleanup.
Violation Division: Kern County Env Health Services Department
Violation Program: UST
Violation Source: CERS

Site ID: 117947
Site Name: FREEWAY EXPRESS MART
Violation Date: 02-21-2018
Citation: 23 CCR 16 2641(h) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2641(h)
Violation Description: Failure to have an approved UST Monitoring Plan.
Violation Notes: The facility's last submittal was made in February, 2016. In October, 2016, comments were made by a regulator to update the information in the CERS monitoring plan. Since then, no updates have been made. Please review, update and submit a complete CERS submittal (Facility, Inventory, Plans, UST). This violation shall be corrected within 30 days.
Violation Division: Kern County Env Health Services Department
Violation Program: UST
Violation Source: CERS

Site ID: 117947
Site Name: FREEWAY EXPRESS MART
Violation Date: 02-21-2018

FREEWAY EXPRESS MART (Continued) **S121740237**

Citation:	HSC 6.75 25299.30-25299.34 - California Health and Safety Code, Chapter 6.75, Section(s) 25299.30-25299.34
Violation Description:	Failure to submit and maintain complete and current Certification of Financial Responsibility or other mechanism of financial assurance.
Violation Notes:	The facility has not completed the annual hazardous material business plan submittal process on the California Environmental Reporting System (http://cers.calepa.ca.gov/). The last complete CERS submittal was in April, 2015 and the last UST submittal was in February, 2016. Please review and electronically certify that the hazardous materials business plan (HMBP) is complete, accurate, and up to date. This violation shall be corrected within 30 days.
Violation Division:	Kern County Env Health Services Department
Violation Program:	UST
Violation Source:	CERS

Site ID:	117947
Site Name:	FREEWAY EXPRESS MART
Violation Date:	03-02-2015
Citation:	23 CCR 16 2632, 2634, 2636, 2666 - California Code of Regulations, Title 23, Chapter 16, Section(s) 2632, 2634, 2636, 2666
Violation Description:	Failure of the leak detection equipment to have an audible and visual alarm as required.
Violation Notes:	Returned to compliance on 12/02/2015. The S6 sensor is in vacuum alarm.
Violation Division:	Kern County Env Health Services Department
Violation Program:	UST
Violation Source:	CERS

Site ID:	117947
Site Name:	FREEWAY EXPRESS MART
Violation Date:	02-21-2018
Citation:	HSC 6.7 25292.1(a) - California Health and Safety Code, Chapter 6.7, Section(s) 25292.1(a)
Violation Description:	Failure to operate the UST system to prevent unauthorized releases including leaks, spills, and/or overfills.
Violation Notes:	During the course of the inspection, it was observed that the S6 and S7 sensors were in continuous alarm. Documentation shows from past monitoring certs and DO reports that these sensors have been in alarm throughout the year. The facility shall troubleshoot the UST system to find the source of the alarms. This violation shall be corrected within 30 days. Permit application/test results shall be sent to saleenb@kerncounty.com
Violation Division:	Kern County Env Health Services Department
Violation Program:	UST
Violation Source:	CERS

Site ID:	117947
Site Name:	FREEWAY EXPRESS MART
Violation Date:	02-03-2016
Citation:	HSC 6.7 25286(a) - California Health and Safety Code, Chapter 6.7, Section(s) 25286(a)
Violation Description:	Failure to submit an complete and accurate application for a permit to operate an underground storage tank, or for renewal of the permit.
Violation Notes:	Returned to compliance on 02/26/2016. OBSERVATION: During the California Environmental Reporting System (CERS) review, it was determined that the tank information page and tank monitoring plans for Tank #1, Tank #2 and Tank #3 are improperly filled out.

FREEWAY EXPRESS MART (Continued) **S121740237**

***CORRECTIVE ACTION: 1) Correct the Tank Identification Page and Tank Monitoring Page for TANK #1: Indicate the correct vent piping transition sumps, under the section fill components installed, select yes to striker plate/bottom protector and yes to containment sump. Under the section corrosion protection, indicate the proper corrosion protection. Change the UDC secondary containment monitoring method from liquid to vacuum. Provide the name and title of a second person having responsibility. 2) Correct the Tank Identification Page and Tank Monitoring Page for TANK #2: Under the section fill components installed, select yes to striker plate/bottom protector and yes to containment sump. Under the section corrosion protection, indicate the proper [Truncated]

Violation Division: Kern County Env Health Services Department
Violation Program: UST
Violation Source: CERS

Site ID: 117947
Site Name: FREEWAY EXPRESS MART
Violation Date: 02-03-2016
Citation: 23 CCR 16 2711(a)(8) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2711(a)(8)
Violation Description: Failure to submit, obtain approval, or maintain a complete/accurate plot plan.
Violation Notes: Returned to compliance on 02/26/2016. OBSERVATION: The site plot plan does not meet requirements for an acceptable monitoring site plan. The type of for the following are not depicted in the plot plan: Tank annular for each tank, Interstitial space of all Under Dispenser Containment (UDC's) and 87 unleaded product vent line. ***CORRECTIVE ACTION: 1) Update the monitoring site plan to include the type of sensor monitoring the tank annulars for each tank. 2) Update the monitoring site plan to include the type of sensor monitoring the interstitial space of all UDC's. 3) Update the monitoring site plan to include the type of sensor monitoring the vent line for 87 unleaded product. 4) Notify inspector Evie Shamoon when changes have been made. Email shamoone@co.kern.ca.us or telephone (661) 862-8762.
Violation Division: Kern County Env Health Services Department
Violation Program: UST
Violation Source: CERS

Site ID: 117947
Site Name: FREEWAY EXPRESS MART
Violation Date: 02-07-2017
Citation: 23 CCR 16 2641(a) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2641(a)
Violation Description: Failure of leak detection equipment to be located such that equipment is capable of detecting a leak at the earliest possible opportunity.
Violation Notes: OBSERVATION: During the monitoring certification S6 and S7 sensors failed to communicate properly with the Veeder root monitoring panel. S6 vacuum sensor failed to recognize a vacuum alarm. The vacuum pump was connected directly to S6 sensor and vacuum was pulled to 23 inches of Hg. The sensor proved to be properly working. The tester suspects that there may be a leak in the hoses. S6 and S7 both failed to recognize a high liquid alarm when float tested. ***CORRECTIVE ACTION: Replace S6 and S7 float sensors and retest. Repair S6 vacuum lines and retest. All retest results shall be sent to shamoone@co.kern.ca.us and Hazmatprogram@co.kern.ca.us
Violation Division: Kern County Env Health Services Department

FREEWAY EXPRESS MART (Continued) **S121740237**

Violation Program: UST
Violation Source: CERS

Site ID: 117947
Site Name: FREEWAY EXPRESS MART
Violation Date: 02-03-2016
Citation: 23 CCR 16 2715(a) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2715(a)
Violation Description: Failure to submit statement of UST compliance and/or Designated Operator certification.
Violation Notes: Returned to compliance on 02/17/2016. OBSERVATION: At the time of the inspection it was determined that the designated operator (DO) form was improperly filled out. The ICC certification number listed for Mr. Alan Johnson is 8029980-UC. This number doest does not match the number issued to Mr. Alan Johnson. The correct number assigned to Mr. Johnson is 8162513 ***CORRECTIVE ACTION: Update the DO form to include the correct ICC certification issued to Mr. Alan Johnson. Upload the revised form in CERS and notify inspector Evie Shamoon when changes have been made. Email shamoone@co.kern.ca.us or telephone (661) 862-8762.
Violation Division: Kern County Env Health Services Department
Violation Program: UST
Violation Source: CERS

Site ID: 117947
Site Name: FREEWAY EXPRESS MART
Violation Date: 02-03-2016
Citation: 23 CCR 16 2712(b) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2712(b)
Violation Description: Failure to maintain records of repairs, lining, and upgrades on site, or off site if approved by the CUPA, for the life of the underground storage tank and/or failure to maintain written monitoring and maintenance records on site, or off site if approved by the CUPA, for a period of 3 years, 6 1/2 years for cathodic protection, and 5 years for written performance claims pertaining to release detection systems and calibration and maintenance records for such systems.
Violation Notes: Returned to compliance on 03/30/2016. OBSERVATION: During the inspection, it was noted that the 2015 and 2013 annual monitoring results were not readily available. ***CORRECTIVE ACTION: Contact your tester and obtain copies of the monitoring certification test results from 2015 and 2013. Store them in the UST binder and send photograph to inspector Evie Shamoon to shamoone@co.kern.ca.us
Violation Division: Kern County Env Health Services Department
Violation Program: UST
Violation Source: CERS

Site ID: 117947
Site Name: FREEWAY EXPRESS MART
Violation Date: 02-03-2016
Citation: 23 CCR 16 2712(b) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2712(b)
Violation Description: Failure to maintain leak detection alarm logs and/or maintain records of appropriate follow-up actions
Violation Notes: Returned to compliance on 03/30/2016. OBSERVATION: During the inspection there were no daily alarm logs available for review. The alarm history shows that there were alarms for S7 on 02/1/2016 at 11:52 a.m., 02/01/2016 at 10:46 p.m. and 01/19/2016 at 2:11 p.m. These

FREEWAY EXPRESS MART (Continued) **S121740237**

alarms were not recorded. The tester instructed the employees to begin using the daily alarm logs. Employees were informed that the inspector will stop by unannounced to ensure that daily logs are being recorded. ***CORRECTIVE ACTION: Send a copy of one month's worth of alarm logs to inspector Evie Shamoon: Shamoone@co.kern.ca.us

Violation Division: Kern County Env Health Services Department
Violation Program: UST
Violation Source: CERS

Site ID: 117947
Site Name: FREEWAY EXPRESS MART
Violation Date: 03-02-2015
Citation: 23 CCR 16 2632, 2634, 2636, 2666 - California Code of Regulations, Title 23, Chapter 16, Section(s) 2632, 2634, 2636, 2666
Violation Description: Failure of the leak detection equipment to have an audible and visual alarm as required.
Violation Notes: Returned to compliance on 12/02/2015. The S1 87 annular sensor is showing a Sensor Fault Alarm. According to the UST technician, the sensor has likely gone bad and will need to be replaced.
Violation Division: Kern County Env Health Services Department
Violation Program: UST
Violation Source: CERS

Site ID: 117947
Site Name: FREEWAY EXPRESS MART
Violation Date: 02-03-2016
Citation: HSC 6.7 25291 - California Health and Safety Code, Chapter 6.7, Section(s) 25291
Violation Description: Failure to maintain under-dispenser containment, sumps, and/or other secondary containment in good condition and/or free of debris/liquid.
Violation Notes: Returned to compliance on 02/03/2016. OBSERVATION: During the inspection it was noted that the vent box contained about half an inch of liquid at the bottom of the vent box. The tester on site later mentioned that he accidentally caused the water intrusion. When opening the vent box, the rainwater that was accumulated on the lid entered the vent box. The tester removed the water prior to the end of the monitoring certification. ***CORRECTIVE ACTION: CORRECTED ON SITE, NO FURTHER ACTION NEEDED.
Violation Division: Kern County Env Health Services Department
Violation Program: UST
Violation Source: CERS

Site ID: 117947
Site Name: FREEWAY EXPRESS MART
Violation Date: 02-03-2016
Citation: 23 CCR 16 2632, 2634, 2636, 2666 - California Code of Regulations, Title 23, Chapter 16, Section(s) 2632, 2634, 2636, 2666
Violation Description: Failure of the leak detection equipment to be properly programmed or properly operated.
Violation Notes: Returned to compliance on 03/04/2016. OBSERVATION: During the monitoring certification, it was determined that tank system set up is not programmed to indicate all monitored all zones. The current system set up for smart sensors reads as follows: S1 monitors the 87 Annular, S6 monitors the Vapor Return and S7 monitors the 87 product lines. However, the 87 vent, 87 turbine sump and under dispenser containment (UDC) are not programmed in the system set up. There is no 87 Annular (420) sensor programmed to detect liquid in the interstitial space.

FREEWAY EXPRESS MART (Continued) **S121740237**

***CORRECTIVE ACTION: Program the tank system set up to include 87 turbine sump, 87 vent line, all UDC's and 87 tank annular (420). If multiple zones are monitored under one sensor, that sensor shall list each zone. For example, if smart sensor 7 monitors product lines along with UDC's, the system setup shall list Product Lines/UDCS. Send a copy of the corrected tank system set up to inspector Evie Shamoon to shamoone@co.kern.ca.us

Violation Division: Kern County Env Health Services Department
Violation Program: UST
Violation Source: CERS

Site ID: 117947
Site Name: FREEWAY EXPRESS MART
Violation Date: 02-21-2018
Citation: 23 CCR 16 2641(h) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2641(h)
Violation Description: Failure to have an approved UST Response Plan.
Violation Notes: The facility has not completed the annual hazardous material business plan submittal process on the California Environmental Reporting System (http://cers.calepa.ca.gov/). The last complete CERS submittal was in April, 2015 and the last UST submittal was in February, 2016. Please review and electronically certify that the hazardous materials business plan (HMBP) is complete, accurate, and up to date. This violation shall be corrected within 30 days.
Violation Division: Kern County Env Health Services Department
Violation Program: UST
Violation Source: CERS

Site ID: 117947
Site Name: FREEWAY EXPRESS MART
Violation Date: 03-02-2015
Citation: 23 CCR 16 2632, 2634, 2636, 2666 - California Code of Regulations, Title 23, Chapter 16, Section(s) 2632, 2634, 2636, 2666
Violation Description: Failure of the leak detection equipment to have an audible and visual alarm as required.
Violation Notes: Returned to compliance on 10/22/2015. The L7 annular sensor was in alarm. The UST technician will attempt to adjust the sensor to correct the alarm.
Violation Division: Kern County Env Health Services Department
Violation Program: UST
Violation Source: CERS

Site ID: 117947
Site Name: FREEWAY EXPRESS MART
Violation Date: 02-07-2017
Citation: 23 CCR 16 2641(j) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2641(j)
Violation Description: Failure of the leak detection equipment to be installed, calibrated, operated, and/or maintained properly.
Violation Notes: Returned to compliance on 02/07/2017. OBSERVATION: At the time of the inspection, Tank #2 annular 420 sensor was left positioned on the gravel. When asked, the tester was unsure why the 420 annular sensor was not positioned inside of the annular space. ***CORRECTIVE ACTION: The sensor was repositioned back inside of the annular space as its intended to be positioned. NO FURTHER ACTION REQUIRED.
Violation Division: Kern County Env Health Services Department
Violation Program: UST

FREEWAY EXPRESS MART (Continued) **S121740237**

Violation Source: CERS

Evaluation:

Eval General Type: Compliance Evaluation Inspection
Eval Date: 02-03-2016
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: You will have thirty (30) days from the date the violation were cited to come into full compliance. Once all violations have been completed, sign the last page of this inspection report to confirm full compliance has been met and sent it to me via email at shamoone@co.kern.ca.us. Should you have any questions please don't hesitate to contact me.
Eval Division: Kern County Env Health Services Department
Eval Program: HMRRP
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 02-07-2017
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Please read through the inspection report(s) as you will find violations that were issued at the time of the inspection. In the report you will find that I have provided instructions on how to return to compliance. You will have thirty (30) days from the date the violation(s) were cited to come into full compliance. Once all violations have been completed, sign the last page of this inspection report to confirm full compliance has been met and send it to me via email at Shamoone@co.kern.ca.us Should you have any questions, please don't hesitate to contact me.
Eval Division: Kern County Env Health Services Department
Eval Program: UST
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 03-02-2015
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Kern County Env Health Services Department
Eval Program: UST
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 02-21-2018
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Kern County Env Health Services Department
Eval Program: UST
Eval Source: CERS

Eval General Type: Other/Unknown
Eval Date: 02-25-2016
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Minor Modification

FREEWAY EXPRESS MART (Continued) **S121740237**

Eval Division:	Kern County Env Health Services Department
Eval Program:	UST
Eval Source:	CERS
Eval General Type:	Other/Unknown
Eval Date:	06-22-2017
Violations Found:	No
Eval Type:	Other, not routine, done by local agency
Eval Notes:	NOV preparation
Eval Division:	Kern County Env Health Services Department
Eval Program:	UST
Eval Source:	CERS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	02-03-2016
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	You will have thirty (30) days from the date the violation were cited to come into full compliance. Once all violations have been completed, sign the last page of this inspection report to confirm full compliance has been met and sent it to me via email at shamoone@co.kern.ca.us. Should you have any questions please don't hesitate to contact me.
Eval Division:	Kern County Env Health Services Department
Eval Program:	UST
Eval Source:	CERS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	02-28-2014
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	Not reported
Eval Division:	Kern County Env Health Services Department
Eval Program:	UST
Eval Source:	CERS

Enforcement Action:

Site ID:	117947
Site Name:	FREEWAY EXPRESS MART
Site Address:	1061 METTLER FRONTAGE RD W
Site City:	BAKERSFIELD
Site Zip:	93313
Enf Action Date:	03-02-2015
Enf Action Type:	Notice of Violation (Unified Program)
Enf Action Description:	Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes:	Not reported
Enf Action Division:	Kern County Env Health Services Department
Enf Action Program:	UST
Enf Action Source:	CERS
Site ID:	117947
Site Name:	FREEWAY EXPRESS MART
Site Address:	1061 METTLER FRONTAGE RD W
Site City:	BAKERSFIELD
Site Zip:	93313
Enf Action Date:	06-29-2017
Enf Action Type:	Notice of Violation (Unified Program)

FREEWAY EXPRESS MART (Continued) **S121740237**

Enf Action Description:	Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes:	Not reported
Enf Action Division:	Kern County Env Health Services Department
Enf Action Program:	UST
Enf Action Source:	CERS

Coordinates:

Site ID:	117947
Facility Name:	FREEWAY EXPRESS MART
Env Int Type Code:	HMBP
Program ID:	10232494
Coord Name:	Not reported
Ref Point Type Desc:	Center of a facility or station.
Latitude:	35.076180
Longitude:	-118.974720

Affiliation:

Affiliation Type Desc:	Operator
Entity Name:	BINDER DHALIWAL
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	(661) 633-2417

Affiliation Type Desc:	Property Owner
Entity Name:	BINDER DHALIWAL
Entity Title:	Not reported
Affiliation Address:	1061 WEST METTLER FRONTAGE ROAD
Affiliation City:	BAKERSFIELD
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	93313
Affiliation Phone:	(661) 858-2626

Affiliation Type Desc:	UST Tank Operator
Entity Name:	BINDER DHALIWAL
Entity Title:	Not reported
Affiliation Address:	1825 E CALIFORNIA AVE
Affiliation City:	BAKERSFIELD
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	93307
Affiliation Phone:	(661) 633-2417

Affiliation Type Desc:	CUPA District
Entity Name:	Kern County Environmental Health Services Departme
Entity Title:	Not reported
Affiliation Address:	2700 M Street, Suite 300
Affiliation City:	Bakersfield
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	93301-2370
Affiliation Phone:	(661) 862-8740

FREEWAY EXPRESS MART (Continued) **S121740237**

Affiliation Type Desc:	Identification Signer
Entity Name:	BINDER DHALIWAL
Entity Title:	OWNER
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported

Affiliation Type Desc:	Environmental Contact
Entity Name:	BINDER DHALIWAL
Entity Title:	Not reported
Affiliation Address:	1061 WEST METTLER FRONTAGE ROAD
Affiliation City:	BAKERSFIELD
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	93313
Affiliation Phone:	(661) 633-2417

Affiliation Type Desc:	Parent Corporation
Entity Name:	FREEWAY EXPRESS MART
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported

Affiliation Type Desc:	Document Preparer
Entity Name:	JAMIE MCCAIN
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported

Affiliation Type Desc:	Facility Mailing Address
Entity Name:	Mailing Address
Entity Title:	Not reported
Affiliation Address:	1061 METTLER FRONTAGE RD W
Affiliation City:	BAKERSFIELD
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	93313-2747
Affiliation Phone:	Not reported

Affiliation Type Desc:	Legal Owner
Entity Name:	B DHALIWAL INC
Entity Title:	Not reported
Affiliation Address:	1061W METTLER FRONTAGE RD
Affiliation City:	BAKERSFIELD
Affiliation State:	CA
Affiliation Country:	United States

FREEWAY EXPRESS MART (Continued) **S121740237**

Affiliation Zip:	93313
Affiliation Phone:	(661) 340-4845
Affiliation Type Desc:	UST Permit Applicant
Entity Name:	BINDER DHALIWAL
Entity Title:	OWNER
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	(661) 633-2417
Affiliation Type Desc:	UST Property Owner Name
Entity Name:	B DHALIWAL INC
Entity Title:	Not reported
Affiliation Address:	1825 E CALIFORNIA AVE
Affiliation City:	BAKERSFIELD
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	93307-1900
Affiliation Phone:	(661) 633-2417
Affiliation Type Desc:	UST Tank Owner
Entity Name:	B DHALIWAL INC
Entity Title:	Not reported
Affiliation Address:	1825 E CALIFORNIA AVE
Affiliation City:	BAKERSFIELD
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	93307
Affiliation Phone:	(661) 633-2417

CERS TANKS:

Site ID:	117947
CERS ID:	10232494
CERS Description:	Chemical Storage Facilities

Violations:

Site ID:	117947
Site Name:	FREEWAY EXPRESS MART
Violation Date:	02-03-2016
Citation:	HSC 6.7 25290.1(e) - California Health and Safety Code, Chapter 6.7, Section(s) 25290.1(e)
Violation Description:	Failure to maintain the interstitial space under constant vacuum, pressure, or hydrostatic such that a breach in the primary or secondary containment is detected before the liquid or vapor phase of the hazardous substance stored in the UST tank is released into the environment. (Product Tight)
Violation Notes:	Returned to compliance on 02/25/2016. OBSERVATION: During the monitoring certification smart sensor S7 (87 Product) float cup was broken and shall be replacement. When the high liquid sensor was tested, a "High Liquid" alarm was displayed on the TLS-350 monitoring panel. Also during the monitoring certification smart sensor S6(Vapor Return) failed to send an alarm to the TLS-350 indicating "no vacuum". The entire vacuum was lost and the TLS-350 failed to recognize the

FREEWAY EXPRESS MART (Continued) **S121740237**

loss of vacuum. The tester determined that the ball float was damaged causing the line to lose vacuum entirely. After the vacuum was restored the sensor failed to recognize the "No Vacuum" alarm. Smart sensor S6 was deemed to be a bad sensor. ***CORRECTIVE ACTION: Replace smart sensor S6 and smart sensor S7 cup and send retest results to hazmatprogram@co.kern.ca.us

Violation Division: Kern County Env Health Services Department
Violation Program: UST
Violation Source: CERS

Site ID: 117947
Site Name: FREEWAY EXPRESS MART
Violation Date: 02-03-2016
Citation: HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Description: Failure to complete and electronically submit hazardous material inventory information for all reportable hazardous materials on site at or above reportable quantities.
Violation Notes: Returned to compliance on 05/16/2016. OBSERVATION: There is a propane tank located behind the Freeway Express Mart that is not reported in the hazardous materials inventory. The propane looks ***CORRECTIVE ACTION: Please include the propane tank in the hazardous materials inventory in CERS.
Violation Division: Kern County Env Health Services Department
Violation Program: HMRRP
Violation Source: CERS

Site ID: 117947
Site Name: FREEWAY EXPRESS MART
Violation Date: 03-02-2015
Citation: HSC 6.7 25291 - California Health and Safety Code, Chapter 6.7, Section(s) 25291
Violation Description: Failure to maintain under-dispenser containment, sumps, and/or other secondary containment in good condition and/or free of debris/liquid.
Violation Notes: Returned to compliance on 12/01/2015. The 87 turbine sump contained water.
Violation Division: Kern County Env Health Services Department
Violation Program: UST
Violation Source: CERS

Site ID: 117947
Site Name: FREEWAY EXPRESS MART
Violation Date: 02-21-2018
Citation: HSC 6.7 25284(a)(3)(A)&(B) - California Health and Safety Code, Chapter 6.7, Section(s) 25284(a)(3)(A)&(B)
Violation Description: Failure to implement or maintain a written agreement between the UST owner and operator.
Violation Notes: The facility has not completed the annual hazardous material business plan submittal process on the California Environmental Reporting System (http://cers.calepa.ca.gov/). The last complete CERS submittal was in April, 2015 and the last UST submittal was in February, 2016. Please review and electronically certify that the hazardous materials business plan (HMBP) is complete, accurate, and up to date. This violation shall be corrected within 30 days.
Violation Division: Kern County Env Health Services Department
Violation Program: UST
Violation Source: CERS

FREEWAY EXPRESS MART (Continued) **S121740237**

Site ID: 117947
Site Name: FREEWAY EXPRESS MART
Violation Date: 02-03-2016
Citation: HSC 6.75 25299.30-25299.34 - California Health and Safety Code, Chapter 6.75, Section(s) 25299.30-25299.34
Violation Description: Failure to submit and maintain complete and current Certification of Financial Responsibility or other mechanism of financial assurance.
Violation Notes: Returned to compliance on 02/26/2016. OBSERVATION: During the inspection it was determined that the Certificate of Financial responsibility and the Letter from Chief Financial Officer are expired. Mrs. Binder Daliwal signed both documents on 02/02/2015. Within the CERTIFICATE OF FINANCIAL RESPONSIBILITY there is an error listed under COVERAGE AMOUNT for the State UST Fund. The document lists $95,000.00. However, the correct coverage amount is $995,000.00. Within the LETTER FROM CHIEF FINANCIAL OFFICER Line #1, Line #2, Line #3 and Line #4 list numbers are inaccurate and and do not reflect actual tangible assets, total liabilities and tangible net worth. ***CORRECTIVE ACTION: 1) CERTIFICATE OF FINANCIAL RESPONSIBILITY: Update this form to list the correct coverage amount for State UST Fund. The correct coverage amount for the State UST Fund is $995,000.00. The Tank Owner shall sign the bottom of the page. It is strongly advised to change the coverage period of the Chief Financial officer Letter from [Truncated]
Violation Division: Kern County Env Health Services Department
Violation Program: UST
Violation Source: CERS

Site ID: 117947
Site Name: FREEWAY EXPRESS MART
Violation Date: 03-02-2015
Citation: HSC 6.75 25299.30-25299.34 - California Health and Safety Code, Chapter 6.75, Section(s) 25299.30-25299.34
Violation Description: Failure to submit and maintain complete and current Certification of Financial Responsibility or other mechanism of financial assurance.
Violation Notes: Returned to compliance on 02/26/2016. The financial information on the Letter from the Chief Financial Officer is incorrect. If this facility has an unauthorized release, the errors on this document could be sufficient for the State to deny coverage for cleanup.
Violation Division: Kern County Env Health Services Department
Violation Program: UST
Violation Source: CERS

Site ID: 117947
Site Name: FREEWAY EXPRESS MART
Violation Date: 02-21-2018
Citation: 23 CCR 16 2641(h) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2641(h)
Violation Description: Failure to have an approved UST Monitoring Plan.
Violation Notes: The facility's last submittal was made in February, 2016. In October, 2016, comments were made by a regulator to update the information in the CERS monitoring plan. Since then, no updates have been made. Please review, update and submit a complete CERS submittal (Facility, Inventory, Plans, UST). This violation shall be corrected within 30 days.
Violation Division: Kern County Env Health Services Department
Violation Program: UST
Violation Source: CERS

FREEWAY EXPRESS MART (Continued) **S121740237**

Site ID: 117947
Site Name: FREEWAY EXPRESS MART
Violation Date: 02-21-2018
Citation: HSC 6.75 25299.30-25299.34 - California Health and Safety Code, Chapter 6.75, Section(s) 25299.30-25299.34
Violation Description: Failure to submit and maintain complete and current Certification of Financial Responsibility or other mechanism of financial assurance.
Violation Notes: The facility has not completed the annual hazardous material business plan submittal process on the California Environmental Reporting System (http://cers.calepa.ca.gov/). The last complete CERS submittal was in April, 2015 and the last UST submittal was in February, 2016. Please review and electronically certify that the hazardous materials business plan (HMBP) is complete, accurate, and up to date. This violation shall be corrected within 30 days.
Violation Division: Kern County Env Health Services Department
Violation Program: UST
Violation Source: CERS

Site ID: 117947
Site Name: FREEWAY EXPRESS MART
Violation Date: 03-02-2015
Citation: 23 CCR 16 2632, 2634, 2636, 2666 - California Code of Regulations, Title 23, Chapter 16, Section(s) 2632, 2634, 2636, 2666
Violation Description: Failure of the leak detection equipment to have an audible and visual alarm as required.
Violation Notes: Returned to compliance on 12/02/2015. The S6 sensor is in vacuum alarm.
Violation Division: Kern County Env Health Services Department
Violation Program: UST
Violation Source: CERS

Site ID: 117947
Site Name: FREEWAY EXPRESS MART
Violation Date: 02-21-2018
Citation: HSC 6.7 25292.1(a) - California Health and Safety Code, Chapter 6.7, Section(s) 25292.1(a)
Violation Description: Failure to operate the UST system to prevent unauthorized releases including leaks, spills, and/or overfills.
Violation Notes: During the course of the inspection, it was observed that the S6 and S7 sensors were in continuous alarm. Documentation shows from past monitoring certs and DO reports that these sensors have been in alarm throughout the year. The facility shall troubleshoot the UST system to find the source of the alarms. This violation shall be corrected within 30 days. Permit application/test results shall be sent to saleenb@kerncounty.com
Violation Division: Kern County Env Health Services Department
Violation Program: UST
Violation Source: CERS

Site ID: 117947
Site Name: FREEWAY EXPRESS MART
Violation Date: 02-03-2016
Citation: HSC 6.7 25286(a) - California Health and Safety Code, Chapter 6.7, Section(s) 25286(a)
Violation Description: Failure to submit an complete and accurate application for a permit to operate an underground storage tank, or for renewal of the permit.
Violation Notes: Returned to compliance on 02/26/2016. OBSERVATION: During the

FREEWAY EXPRESS MART (Continued) **S121740237**

California Environmental Reporting System (CERS) review, it was determined that the tank information page and tank monitoring plans for Tank #1, Tank #2 and Tank #3 are improperly filled out. ***CORRECTIVE ACTION: 1) Correct the Tank Identification Page and Tank Monitoring Page for TANK #1: Indicate the correct vent piping transition sumps, under the section fill components installed, select yes to striker plate/bottom protector and yes to containment sump. Under the section corrosion protection, indicate the proper corrosion protection. Change the UDC secondary containment monitoring method from liquid to vacuum. Provide the name and title of a second person having responsibility. 2) Correct the Tank Identification Page and Tank Monitoring Page for TANK #2: Under the section fill components installed, select yes to striker plate/bottom protector and yes to containment sump. Under the section corrosion protection, indicate the proper [Truncated]

Violation Division: Kern County Env Health Services Department
Violation Program: UST
Violation Source: CERS

Site ID: 117947
Site Name: FREEWAY EXPRESS MART
Violation Date: 02-03-2016
Citation: 23 CCR 16 2711(a)(8) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2711(a)(8)
Violation Description: Failure to submit, obtain approval, or maintain a complete/accurate plot plan.
Violation Notes: Returned to compliance on 02/26/2016. OBSERVATION: The site plot plan does not meet requirements for an acceptable monitoring site plan. The type of for the following are not depicted in the plot plan: Tank annular for each tank, Interstitial space of all Under Dispenser Containment (UDC's) and 87 unleaded product vent line. ***CORRECTIVE ACTION: 1) Update the monitoring site plan to include the type of sensor monitoring the tank annulars for each tank. 2) Update the monitoring site plan to include the type of sensor monitoring the interstitial space of all UDC's. 3) Update the monitoring site plan to include the type of sensor monitoring the vent line for 87 unleaded product. 4) Notify inspector Evie Shamoon when changes have been made. Email shamoone@co.kern.ca.us or telephone (661) 862-8762.
Violation Division: Kern County Env Health Services Department
Violation Program: UST
Violation Source: CERS

Site ID: 117947
Site Name: FREEWAY EXPRESS MART
Violation Date: 02-07-2017
Citation: 23 CCR 16 2641(a) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2641(a)
Violation Description: Failure of leak detection equipment to be located such that equipment is capable of detecting a leak at the earliest possible opportunity.
Violation Notes: OBSERVATION: During the monitoring certification S6 and S7 sensors failed to communicate properly with the Veeder root monitoring panel. S6 vacuum sensor failed to recognize a vacuum alarm. The vacuum pump was connected directly to S6 sensor and vacuum was pulled to 23 inches of Hg. The sensor proved to be properly working. The tester suspects that there may be a leak in the hoses. S6 and S7 both failed to recognize a high liquid alarm when float tested. ***CORRECTIVE ACTION: Replace S6 and S7 float sensors and retest. Repair S6 vacuum lines and

FREEWAY EXPRESS MART (Continued) **S121740237**

retest. All retest results shall be sent to shamoone@co.kern.ca.us and Hazmatprogram@co.kern.ca.us

Violation Division: Kern County Env Health Services Department
Violation Program: UST
Violation Source: CERS

Site ID: 117947
Site Name: FREEWAY EXPRESS MART
Violation Date: 02-03-2016
Citation: 23 CCR 16 2715(a) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2715(a)
Violation Description: Failure to submit statement of UST compliance and/or Designated Operator certification.
Violation Notes: Returned to compliance on 02/17/2016. OBSERVATION: At the time of the inspection it was determined that the designated operator (DO) form was improperly filled out. The ICC certification number listed for Mr. Alan Johnson is 8029980-UC. This number doest does not match the number issued to Mr. Alan Johnson. The correct number assigned to Mr. Johnson is 8162513 ***CORRECTIVE ACTION: Update the DO form to include the correct ICC certification issued to Mr. Alan Johnson. Upload the revised form in CERS and notify inspector Evie Shamoon when changes have been made. Email shamoone@co.kern.ca.us or telephone (661) 862-8762.
Violation Division: Kern County Env Health Services Department
Violation Program: UST
Violation Source: CERS

Site ID: 117947
Site Name: FREEWAY EXPRESS MART
Violation Date: 02-03-2016
Citation: 23 CCR 16 2712(b) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2712(b)
Violation Description: Failure to maintain records of repairs, lining, and upgrades on site, or off site if approved by the CUPA, for the life of the underground storage tank and/or failure to maintain written monitoring and maintenance records on site, or off site if approved by the CUPA, for a period of 3 years, 6 1/2 years for cathodic protection, and 5 years for written performance claims pertaining to release detection systems and calibration and maintenance records for such systems.
Violation Notes: Returned to compliance on 03/30/2016. OBSERVATION: During the inspection, it was noted that the 2015 and 2013 annual monitoring results were not readily available. ***CORRECTIVE ACTION: Contact your tester and obtain copies of the monitoring certification test results from 2015 and 2013. Store them in the UST binder and send photograph to inspector Evie Shamoon to shamoone@co.kern.ca.us
Violation Division: Kern County Env Health Services Department
Violation Program: UST
Violation Source: CERS

Site ID: 117947
Site Name: FREEWAY EXPRESS MART
Violation Date: 02-03-2016
Citation: 23 CCR 16 2712(b) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2712(b)
Violation Description: Failure to maintain leak detection alarm logs and/or maintain records of appropriate follow-up actions
Violation Notes: Returned to compliance on 03/30/2016. OBSERVATION: During the

FREEWAY EXPRESS MART (Continued) **S121740237**

inspection there were no daily alarm logs available for review. The alarm history shows that there were alarms for S7 on 02/1/2016 at 11:52 a.m., 02/01/2016 at 10:46 p.m. and 01/19/2016 at 2:11 p.m. These alarms were not recorded. The tester instructed the employees to begin using the daily alarm logs. Employees were informed that the inspector will stop by unannounced to ensure that daily logs are being recorded. ***CORRECTIVE ACTION: Send a copy of one month's worth of alarm logs to inspector Evie Shamoon: Shamoone@co.kern.ca.us

Violation Division: Kern County Env Health Services Department
Violation Program: UST
Violation Source: CERS

Site ID: 117947
Site Name: FREEWAY EXPRESS MART
Violation Date: 03-02-2015
Citation: 23 CCR 16 2632, 2634, 2636, 2666 - California Code of Regulations, Title 23, Chapter 16, Section(s) 2632, 2634, 2636, 2666
Violation Description: Failure of the leak detection equipment to have an audible and visual alarm as required.
Violation Notes: Returned to compliance on 12/02/2015. The S1 87 annular sensor is showing a Sensor Fault Alarm. According to the UST technician, the sensor has likely gone bad and will need to be replaced.
Violation Division: Kern County Env Health Services Department
Violation Program: UST
Violation Source: CERS

Site ID: 117947
Site Name: FREEWAY EXPRESS MART
Violation Date: 02-03-2016
Citation: HSC 6.7 25291 - California Health and Safety Code, Chapter 6.7, Section(s) 25291
Violation Description: Failure to maintain under-dispenser containment, sumps, and/or other secondary containment in good condition and/or free of debris/liquid.
Violation Notes: Returned to compliance on 02/03/2016. OBSERVATION: During the inspection it was noted that the vent box contained about half an inch of liquid at the bottom of the vent box. The tester on site later mentioned that he accidentally caused the water intrusion. When opening the vent box, the rainwater that was accumulated on the lid entered the vent box. The tester removed the water prior to the end of the monitoring certification. ***CORRECTIVE ACTION: CORRECTED ON SITE, NO FURTHER ACTION NEEDED.
Violation Division: Kern County Env Health Services Department
Violation Program: UST
Violation Source: CERS

Site ID: 117947
Site Name: FREEWAY EXPRESS MART
Violation Date: 02-03-2016
Citation: 23 CCR 16 2632, 2634, 2636, 2666 - California Code of Regulations, Title 23, Chapter 16, Section(s) 2632, 2634, 2636, 2666
Violation Description: Failure of the leak detection equipment to be properly programmed or properly operated.
Violation Notes: Returned to compliance on 03/04/2016. OBSERVATION: During the monitoring certification, it was determined that tank system set up is not programmed to indicate all monitored all zones. The current system set up for smart sensors reads as follows: S1 monitors the 87 Annular, S6 monitors the Vapor Return and S7 monitors the 87 product lines.

FREEWAY EXPRESS MART (Continued) **S121740237**

However, the 87 vent, 87 turbine sump and under dispenser containment (UDC) are not programmed in the system set up. There is no 87 Annular (420) sensor programmed to detect liquid in the interstitial space. ***CORRECTIVE ACTION: Program the tank system set up to include 87 turbine sump, 87 vent line, all UDC's and 87 tank annular (420). If multiple zones are monitored under one sensor, that sensor shall list each zone. For example, if smart sensor 7 monitors product lines along with UDC's, the system setup shall list Product Lines/UDCS. Send a copy of the corrected tank system set up to inspector Evie Shamoon to shamoone@co.kern.ca.us

Violation Division: Kern County Env Health Services Department
Violation Program: UST
Violation Source: CERS

Site ID: 117947
Site Name: FREEWAY EXPRESS MART
Violation Date: 02-21-2018
Citation: 23 CCR 16 2641(h) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2641(h)
Violation Description: Failure to have an approved UST Response Plan.
Violation Notes: The facility has not completed the annual hazardous material business plan submittal process on the California Environmental Reporting System (http://cers.calepa.ca.gov/). The last complete CERS submittal was in April, 2015 and the last UST submittal was in February, 2016. Please review and electronically certify that the hazardous materials business plan (HMBP) is complete, accurate, and up to date. This violation shall be corrected within 30 days.
Violation Division: Kern County Env Health Services Department
Violation Program: UST
Violation Source: CERS

Site ID: 117947
Site Name: FREEWAY EXPRESS MART
Violation Date: 03-02-2015
Citation: 23 CCR 16 2632, 2634, 2636, 2666 - California Code of Regulations, Title 23, Chapter 16, Section(s) 2632, 2634, 2636, 2666
Violation Description: Failure of the leak detection equipment to have an audible and visual alarm as required.
Violation Notes: Returned to compliance on 10/22/2015. The L7 annular sensor was in alarm. The UST technician will attempt to adjust the sensor to correct the alarm.
Violation Division: Kern County Env Health Services Department
Violation Program: UST
Violation Source: CERS

Site ID: 117947
Site Name: FREEWAY EXPRESS MART
Violation Date: 02-07-2017
Citation: 23 CCR 16 2641(j) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2641(j)
Violation Description: Failure of the leak detection equipment to be installed, calibrated, operated, and/or maintained properly.
Violation Notes: Returned to compliance on 02/07/2017. OBSERVATION: At the time of the inspection, Tank #2 annular 420 sensor was left positioned on the gravel. When asked, the tester was unsure why the 420 annular sensor was not positioned inside of the annular space. ***CORRECTIVE ACTION: The sensor was repositioned back inside of the annular space as its

FREEWAY EXPRESS MART (Continued) **S121740237**

intended to be positioned. NO FURTHER ACTION REQUIRED.
Violation Division: Kern County Env Health Services Department
Violation Program: UST
Violation Source: CERS

Evaluation:
Eval General Type: Compliance Evaluation Inspection
Eval Date: 02-03-2016
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: You will have thirty (30) days from the date the violation were cited to come into full compliance. Once all violations have been completed, sign the last page of this inspection report to confirm full compliance has been met and sent it to me via email at shamoone@co.kern.ca.us. Should you have any questions please don't hesitate to contact me.
Eval Division: Kern County Env Health Services Department
Eval Program: HMRRP
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 02-07-2017
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Please read through the inspection report(s) as you will find violations that were issued at the time of the inspection. In the report you will find that I have provided instructions on how to return to compliance. You will have thirty (30) days from the date the violation(s) were cited to come into full compliance. Once all violations have been completed, sign the last page of this inspection report to confirm full compliance has been met and send it to me via email at Shamoone@co.kern.ca.us Should you have any questions, please don't hesitate to contact me.
Eval Division: Kern County Env Health Services Department
Eval Program: UST
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 03-02-2015
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Kern County Env Health Services Department
Eval Program: UST
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 02-21-2018
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Kern County Env Health Services Department
Eval Program: UST
Eval Source: CERS

Eval General Type: Other/Unknown
Eval Date: 02-25-2016

FREEWAY EXPRESS MART (Continued) **S121740237**

Violations Found:	No
Eval Type:	Other, not routine, done by local agency
Eval Notes:	Minor Modification
Eval Division:	Kern County Env Health Services Department
Eval Program:	UST
Eval Source:	CERS

Eval General Type:	Other/Unknown
Eval Date:	06-22-2017
Violations Found:	No
Eval Type:	Other, not routine, done by local agency
Eval Notes:	NOV preparation
Eval Division:	Kern County Env Health Services Department
Eval Program:	UST
Eval Source:	CERS

Eval General Type:	Compliance Evaluation Inspection
Eval Date:	02-03-2016
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	You will have thirty (30) days from the date the violation were cited to come into full compliance. Once all violations have been completed, sign the last page of this inspection report to confirm full compliance has been met and sent it to me via email at shamoone@co.kern.ca.us. Should you have any questions please don't hesitate to contact me.
Eval Division:	Kern County Env Health Services Department
Eval Program:	UST
Eval Source:	CERS

Eval General Type:	Compliance Evaluation Inspection
Eval Date:	02-28-2014
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	Not reported
Eval Division:	Kern County Env Health Services Department
Eval Program:	UST
Eval Source:	CERS

Enforcement Action:

Site ID:	117947
Site Name:	FREEWAY EXPRESS MART
Site Address:	1061 METTLER FRONTAGE RD W
Site City:	BAKERSFIELD
Site Zip:	93313
Enf Action Date:	03-02-2015
Enf Action Type:	Notice of Violation (Unified Program)
Enf Action Description:	Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes:	Not reported
Enf Action Division:	Kern County Env Health Services Department
Enf Action Program:	UST
Enf Action Source:	CERS

Site ID:	117947
Site Name:	FREEWAY EXPRESS MART
Site Address:	1061 METTLER FRONTAGE RD W
Site City:	BAKERSFIELD

FREEWAY EXPRESS MART (Continued) **S121740237**

Site Zip:	93313
Enf Action Date:	06-29-2017
Enf Action Type:	Notice of Violation (Unified Program)
Enf Action Description:	Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes:	Not reported
Enf Action Division:	Kern County Env Health Services Department
Enf Action Program:	UST
Enf Action Source:	CERS

Coordinates:

Site ID:	117947
Facility Name:	FREEWAY EXPRESS MART
Env Int Type Code:	HMBP
Program ID:	10232494
Coord Name:	Not reported
Ref Point Type Desc:	Center of a facility or station.
Latitude:	35.076180
Longitude:	-118.974720

Affiliation:

Affiliation Type Desc:	Operator
Entity Name:	BINDER DHALIWAL
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	(661) 633-2417

Affiliation Type Desc:	Property Owner
Entity Name:	BINDER DHALIWAL
Entity Title:	Not reported
Affiliation Address:	1061 WEST METTLER FRONTAGE ROAD
Affiliation City:	BAKERSFIELD
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	93313
Affiliation Phone:	(661) 858-2626

Affiliation Type Desc:	UST Tank Operator
Entity Name:	BINDER DHALIWAL
Entity Title:	Not reported
Affiliation Address:	1825 E CALIFORNIA AVE
Affiliation City:	BAKERSFIELD
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	93307
Affiliation Phone:	(661) 633-2417

Affiliation Type Desc:	CUPA District
Entity Name:	Kern County Environmental Health Services Departme
Entity Title:	Not reported
Affiliation Address:	2700 M Street, Suite 300
Affiliation City:	Bakersfield
Affiliation State:	CA

FREEWAY EXPRESS MART (Continued) **S121740237**

Affiliation Country:	Not reported
Affiliation Zip:	93301-2370
Affiliation Phone:	(661) 862-8740

Affiliation Type Desc:	Identification Signer
Entity Name:	BINDER DHALIWAL
Entity Title:	OWNER
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported

Affiliation Type Desc:	Environmental Contact
Entity Name:	BINDER DHALIWAL
Entity Title:	Not reported
Affiliation Address:	1061 WEST METTLER FRONTAGE ROAD
Affiliation City:	BAKERSFIELD
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	93313
Affiliation Phone:	(661) 633-2417

Affiliation Type Desc:	Parent Corporation
Entity Name:	FREEWAY EXPRESS MART
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported

Affiliation Type Desc:	Document Preparer
Entity Name:	JAMIE MCCAIN
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported

Affiliation Type Desc:	Facility Mailing Address
Entity Name:	Mailing Address
Entity Title:	Not reported
Affiliation Address:	1061 METTLER FRONTAGE RD W
Affiliation City:	BAKERSFIELD
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	93313-2747
Affiliation Phone:	Not reported

Affiliation Type Desc:	Legal Owner
Entity Name:	B DHALIWAL INC
Entity Title:	Not reported

FREEWAY EXPRESS MART (Continued) **S121740237**

Affiliation Address:	1061W METTLER FRONTAGE RD
Affiliation City:	BAKERSFIELD
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	93313
Affiliation Phone:	(661) 340-4845
Affiliation Type Desc:	UST Permit Applicant
Entity Name:	BINDER DHALIWAL
Entity Title:	OWNER
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	(661) 633-2417
Affiliation Type Desc:	UST Property Owner Name
Entity Name:	B DHALIWAL INC
Entity Title:	Not reported
Affiliation Address:	1825 E CALIFORNIA AVE
Affiliation City:	BAKERSFIELD
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	93307-1900
Affiliation Phone:	(661) 633-2417
Affiliation Type Desc:	UST Tank Owner
Entity Name:	B DHALIWAL INC
Entity Title:	Not reported
Affiliation Address:	1825 E CALIFORNIA AVE
Affiliation City:	BAKERSFIELD
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	93307
Affiliation Phone:	(661) 633-2417

B11 **WADKINS SERVICE STATION** **SWEEPS UST** **S106934171**
NE **1062 METTLER FRONTAGE RD** **N/A**
< 1/8 **METTLER, CA 93313**
0.082 mi.
435 ft. **Site 8 of 8 in cluster B**

Relative:
Lower

Actual:
488 ft.

SWEEPS UST:

Status:	Active
Comp Number:	51852
Number:	2
Board Of Equalization:	44-006342
Referral Date:	02-19-92
Action Date:	02-19-92
Created Date:	09-30-89
Owner Tank Id:	1
SWRCB Tank Id:	15-000-051852-000001
Tank Status:	A
Capacity:	6000
Active Date:	02-19-92
Tank Use:	M.V. FUEL

WADKINS SERVICE STATION (Continued) **S106934171**

STG:	P
Content:	REG UNLEADED
Number Of Tanks:	2

Status:	Active
Comp Number:	51852
Number:	2
Board Of Equalization:	44-006342
Referral Date:	02-19-92
Action Date:	02-19-92
Created Date:	09-30-89
Owner Tank Id:	2
SWRCB Tank Id:	15-000-051852-000002
Tank Status:	A
Capacity:	6000
Active Date:	02-19-92
Tank Use:	M.V. FUEL
STG:	P
Content:	REG UNLEADED
Number Of Tanks:	Not reported

Status:	Not reported
Comp Number:	51852
Number:	Not reported
Board Of Equalization:	44-006342
Referral Date:	Not reported
Action Date:	Not reported
Created Date:	Not reported
Owner Tank Id:	Not reported
SWRCB Tank Id:	15-000-051852-000003
Tank Status:	Not reported
Capacity:	5000
Active Date:	Not reported
Tank Use:	M.V. FUEL
STG:	PRODUCT
Content:	REG UNLEADED
Number Of Tanks:	2

Status:	Not reported
Comp Number:	51852
Number:	Not reported
Board Of Equalization:	44-006342
Referral Date:	Not reported
Action Date:	Not reported
Created Date:	Not reported
Owner Tank Id:	Not reported
SWRCB Tank Id:	15-000-051852-000004
Tank Status:	Not reported
Capacity:	500
Active Date:	Not reported
Tank Use:	OIL
STG:	WASTE
Content:	WASTE OIL
Number Of Tanks:	Not reported

12 NE < 1/8 0.112 mi. 593 ft. | **TOSCO BULK PLANT NO. 0428**
VALPREDO AVENUE AND HIGHWAY 99
METTLER, CA 93313 | **CPS-SLIC CERS** | **S118504735 N/A**

Relative: Lower
Actual: 491 ft.

CPS-SLIC:

Region:	STATE
Facility Status:	**Completed - Case Closed**
Status Date:	01/05/2016
Global Id:	T10000008225
Lead Agency:	CENTRAL VALLEY RWQCB (REGION 5F)
Lead Agency Case Number:	Not reported
Latitude:	35.07628
Longitude:	-118.97375
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:	Soil
Potential Contaminants of Concern:	Total Petroleum Hydrocarbons (TPH)
Site History:	The site contained fourteen above ground storage tanks which were found to be leaking during a compliance inspection on 03/28/1996. A site assessment was conducted by drilling ten soil borings. Laboratory analysis of the samples indicated significant hydrocarbon contamination in one of the borings at a depth of 15.5 feet bgs. The depth to groundwater within the vicinity of the facility is approximately 300 to 400 bgs. The site was closed due to the limited contamination of Total Petroleum Hydrocarbons and the extensive depth to groundwater.

Click here to access the California GeoTracker records for this facility:

CERS TANKS:

Site ID:	362905
CERS ID:	T10000008225
CERS Description:	Cleanup Program Site

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13 SSE 1/8-1/4 0.127 mi. 669 ft. | **CALMAT CO**
KERN (County), CA | **US MINES** | **1016468031 N/A**

Relative: Higher
Actual: 543 ft.

US MINES:

Sic Code(s):	144200
Sic Code(s):	000000
Sic Code(s):	000000
Sic Code(s):	000000
Sic Code(s):	000000
Sic Code(s):	000000
Mine ID:	0401829
Entity Name:	WHEELER RIDGE PLANT
Company:	CALMAT CO
Status:	4
Status Date:	20160323
Operation Class:	2
Number of Shops:	0

CALMAT CO (Continued) **1016468031**

Number of Plants:	0
Latitude Degree:	35
Longitude Degree:	118
Latitude Minute:	03
Latitude Seconds:	38
Longitude Minutes:	58
Longitude Seconds:	32
Number of Pits:	000

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14 ESE 1/8-1/4 0.203 mi. 1073 ft.

VARSITY PRODUCE
1425 W METTLER FRONTAGE RD
BAKERSFIELD, CA 93313

CERS HAZ WASTE **S121776755**
CERS **N/A**

Relative: Higher

Actual: 515 ft.

CERS HAZ WASTE:

Site ID:	405359
CERS ID:	10230637
CERS Description:	Hazardous Chemical Management

Violations:

Site ID:	405359
Site Name:	VARSITY PRODUCE
Violation Date:	01-21-2014
Citation:	19 CCR 4.5 2745.2(a)(1) - California Code of Regulations, Title 19, Chapter 4.5, Section(s) 2745.2(a)(1)
Violation Description:	Failure to ensure that the Risk Management Plan is certified complete by a qualified person and the stationary source owner or operator.
Violation Notes:	Returned to compliance on 06/11/2014. The current RMP Submittal has not been certified. Submit a certification statement for the RMP Submittal.
Violation Division:	Kern County Env Health Services Department
Violation Program:	CalARP
Violation Source:	CERS

Site ID:	405359
Site Name:	VARSITY PRODUCE
Violation Date:	04-30-2018
Citation:	40 CFR 1 265.173 - U.S. Code of Federal Regulations, Title 40, Chapter 1, Section(s) 265.173
Violation Description:	Failure to meet the following container management requirements: (a) A container holding hazardous waste must always be closed during storage, except when it is necessary to add or remove waste. (b) A container holding hazardous waste must not be opened, handled, or stored in a manner which may rupture the container or cause it to leak.
Violation Notes:	Facility failed to ensure that all waste containers are properly closed.
Violation Division:	Kern County Env Health Services Department
Violation Program:	HW
Violation Source:	CERS

Site ID:	405359
Site Name:	VARSITY PRODUCE
Violation Date:	04-30-2018
Citation:	HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Description:	Failure to complete and electronically submit hazardous material

VARSITY PRODUCE (Continued) **S121776755**

	inventory information for all reportable hazardous materials on site at or above reportable quantities.
Violation Notes:	Facility Failed to report welding gases on Business Plan
Violation Division:	Kern County Env Health Services Department
Violation Program:	HMRRP
Violation Source:	CERS
Site ID:	405359
Site Name:	VARSITY PRODUCE
Violation Date:	05-11-2015
Citation:	HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Description:	Failure to complete and electronically submit a site map with all required content.
Violation Notes:	Returned to compliance on 07/01/2015. Add additional 8x11 maps showing location of chemicals
Violation Division:	Kern County Env Health Services Department
Violation Program:	HMRRP
Violation Source:	CERS
Site ID:	405359
Site Name:	VARSITY PRODUCE
Violation Date:	02-03-2016
Citation:	19 CCR 4.5 2755.6(a) - California Code of Regulations, Title 19, Chapter 4.5, Section(s) 2755.6(a)
Violation Description:	Failure to certify that they have evaluated compliance with the provisions of this article at least every three years to verify that the procedures and practices developed under this chapter are adequate and are being followed.
Violation Notes:	Returned to compliance on 03/17/2016. Last compliance audit was performed on 8-9-2012. A new compliance audit should have been performed on or before 8-9-2015.
Violation Division:	Kern County Env Health Services Department
Violation Program:	CalARP
Violation Source:	CERS
Site ID:	405359
Site Name:	VARSITY PRODUCE
Violation Date:	02-03-2016
Citation:	40 CFR 1 265.173 - U.S. Code of Federal Regulations, Title 40, Chapter 1, Section(s) 265.173
Violation Description:	Failure to properly close hazardous waste containers when not in active use.
Violation Notes:	Returned to compliance on 02/03/2016. Multiple five gallon containers containing rain water and waste oil. Store containers in a way to avoid rainwater.
Violation Division:	Kern County Env Health Services Department
Violation Program:	HW
Violation Source:	CERS
Site ID:	405359
Site Name:	VARSITY PRODUCE
Violation Date:	04-30-2018
Citation:	22 CCR 12 66262.34(f) - California Code of Regulations, Title 22, Chapter 12, Section(s) 66262.34(f)
Violation Description:	Failure to label stationary hazardous waste tanks as "hazardous waste" and mark with an accumulation start date.

VARSITY PRODUCE (Continued) **S121776755**

Violation Notes:	Two 55gal drums do not have dates.
Violation Division:	Kern County Env Health Services Department
Violation Program:	HW
Violation Source:	CERS
Site ID:	405359
Site Name:	VARSITY PRODUCE
Violation Date:	01-21-2014
Citation:	19 CCR 4.5 2755.5(a) - California Code of Regulations, Title 19, Chapter 4.5, Section(s) 2755.5(a)
Violation Description:	Failure to prepare and implement procedures to maintain the on-going mechanical integrity of the process equipment.
Violation Notes:	Returned to compliance on 06/11/2014. Lack of a Preventative Maintenance schedule. There is no schedule for oil changing or draining. The oil has not been routinely removed from the system. Consider logging oil in and oil out of the refrigeration system. Document work performed on the refrigeration system.
Violation Division:	Kern County Env Health Services Department
Violation Program:	CalARP
Violation Source:	CERS
Site ID:	405359
Site Name:	VARSITY PRODUCE
Violation Date:	02-03-2016
Citation:	19 CCR 4.5 2755.3(a)(b) - California Code of Regulations, Title 19, Chapter 4.5, Section(s) 2755.3(a)(b)
Violation Description:	Failure to prepare written operating procedures that provide clear instructions or steps for safely conducting activities associated with each covered process consistent with the safety information for that process and address the following: 1. Initial startup; 2. Normal operations; 3. Temporary operations; 4. Emergency shutdown and operations; 5. Normal shutdown; 6. Startup following a normal or emergency shutdown or a major change that requires a hazard review; 7. Consequences of deviations and steps required to correct or avoid deviations; 8. Equipment inspections.
Violation Notes:	Returned to compliance on 06/24/2016. Facility must prepare a written operating procedure for normal shutdowns. Even though the facility runs year round, a procedure needs to be in place in case a shut down is required.
Violation Division:	Kern County Env Health Services Department
Violation Program:	CalARP
Violation Source:	CERS
Site ID:	405359
Site Name:	VARSITY PRODUCE
Violation Date:	02-03-2016
Citation:	19 CCR 4.5 2755.5(d) - California Code of Regulations, Title 19, Chapter 4.5, Section(s) 2755.5(d)
Violation Description:	Failure to perform or cause to be performed inspections and tests on process equipment that: 1. Follow recognized and generally accepted good engineering practices; 2. The frequency of inspections & tests must be consistent with applicable manufacturer s recommendations, industry standards or codes, good engineering practices and prior operating experience).
Violation Notes:	Returned to compliance on 06/24/2016. Facility must maintain a daily log that logs pressures and temperatures for the covered process. Facility should also consider annual or semi-annual inspections of the

VARSITY PRODUCE (Continued) **S121776755**

system.
Violation Division: Kern County Env Health Services Department
Violation Program: CalARP
Violation Source: CERS

Site ID: 405359
Site Name: VARSITY PRODUCE
Violation Date: 01-21-2014
Citation: 19 CCR 4.5 2755.3(a)(b) - California Code of Regulations, Title 19, Chapter 4.5, Section(s) 2755.3(a)(b)
Violation Description: Failure to prepare written operating procedures that provide clear instructions or steps for safely conducting activities associated with each covered process consistent with the safety information for that process and address the following: 1. Initial startup; 2. Normal operations; 3. Temporary operations; 4. Emergency shutdown and operations; 5. Normal shutdown; 6. Startup following a normal or emergency shutdown or a major change that requires a hazard review; 7. Consequences of deviations and steps required to correct or avoid deviations; 8. Equipment inspections.
Violation Notes: Returned to compliance on 06/11/2014. Lack of procedures for Normal Shut Down. Lack of a Master List to verify all SOPs are complete and current.
Violation Division: Kern County Env Health Services Department
Violation Program: CalARP
Violation Source: CERS

Site ID: 405359
Site Name: VARSITY PRODUCE
Violation Date: 05-11-2015
Citation: HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Description: Failure to establish and electronically submit an adequate training program in safety procedures in the event of a release or threatened release of a hazardous material.
Violation Notes: Returned to compliance on 07/01/2015. Upload an outline of the training provided to staff for hazardous material and waste.
Violation Division: Kern County Env Health Services Department
Violation Program: HMRRP
Violation Source: CERS

Site ID: 405359
Site Name: VARSITY PRODUCE
Violation Date: 04-30-2018
Citation: 19 CCR 4.5 2755.5(d) - California Code of Regulations, Title 19, Chapter 4.5, Section(s) 2755.5(d)
Violation Description: Failure to perform or cause to be performed inspections and tests on process equipment that: 1. Follow recognized and generally accepted good engineering practices; 2. The frequency of inspections & tests must be consistent with applicable manufacturer s recommendations, industry standards or codes, good engineering practices and prior operating experience).
Violation Notes: Facility failed to provide documentation ensuring that relief valves are up to date.
Violation Division: Kern County Env Health Services Department
Violation Program: CalARP
Violation Source: CERS

VARSITY PRODUCE (Continued) **S121776755**

Site ID:	405359
Site Name:	VARSITY PRODUCE
Violation Date:	01-21-2014
Citation:	HSC 6.95 25504(a) - California Health and Safety Code, Chapter 6.95, Section(s) 25504(a)
Violation Description:	Failure to complete and/or submit hazardous material inventory forms for all reportable hazardous materials on site.
Violation Notes:	Returned to compliance on 06/11/2014. Update the hazardous materials inventory to include the waste oil, used oil filters, floor cleaner and degreaser.
Violation Division:	Kern County Env Health Services Department
Violation Program:	HMRRP
Violation Source:	CERS

Site ID:	405359
Site Name:	VARSITY PRODUCE
Violation Date:	01-21-2014
Citation:	19 CCR 4.5 2755.2(e) - California Code of Regulations, Title 19, Chapter 4.5, Section(s) 2755.2(e)
Violation Description:	Failure to document the results of the hazard review and ensure that problems identified are resolved in a timely manner.
Violation Notes:	Returned to compliance on 06/11/2014. The Hazard Review recommendations have not been addressed. Document the resolution of the recommendations.
Violation Division:	Kern County Env Health Services Department
Violation Program:	CalARP
Violation Source:	CERS

Site ID:	405359
Site Name:	VARSITY PRODUCE
Violation Date:	01-21-2014
Citation:	19 CCR 4.5 2755.5(b) - California Code of Regulations, Title 19, Chapter 4.5, Section(s) 2755.5(b)
Violation Description:	Failure to train or cause to be trained each employee involved in maintaining the on-going mechanical integrity of the process in: 1. The hazards of the process; 2. How to avoid or correct unsafe conditions; 3. The procedures applicable to the employee s job tasks.
Violation Notes:	Returned to compliance on 06/11/2014. Lack of training for the employees job tasks. Identify the job tasks performed by employees and document the employee training.
Violation Division:	Kern County Env Health Services Department
Violation Program:	CalARP
Violation Source:	CERS

Site ID:	405359
Site Name:	VARSITY PRODUCE
Violation Date:	01-21-2014
Citation:	19 CCR 4.5 2755.7(c) - California Code of Regulations, Title 19, Chapter 4.5, Section(s) 2755.7(c)
Violation Description:	Failure to prepare a summary of the investigation at the conclusion of the investigation that includes at a minimum: 1. Date of incident; 2. Date investigation began; 3. Description of incident; 4. Factors that contributed to the incident; 5. Recommendations resulting from the investigation
Violation Notes:	Returned to compliance on 06/11/2014. The Incident Investigation Report does not document the date the investigation began.
Violation Division:	Kern County Env Health Services Department

VARSITY PRODUCE (Continued) **S121776755**

Violation Program: CalARP
Violation Source: CERS

Site ID: 405359
Site Name: VARSITY PRODUCE
Violation Date: 01-21-2014
Citation: 19 CCR 4.5 2755.5(d) - California Code of Regulations, Title 19, Chapter 4.5, Section(s) 2755.5(d)
Violation Description: Failure to perform or cause to be performed inspections and tests on process equipment that: 1. Follow recognized and generally accepted good engineering practices; 2. The frequency of inspections & tests must be consistent with applicable manufacturer s recommendations, industry standards or codes, good engineering practices and prior operating experience).
Violation Notes: Returned to compliance on 06/11/2014. The ammonia detection system has not been routinely calibrated. The safety systems have not been tested.
Violation Division: Kern County Env Health Services Department
Violation Program: CalARP
Violation Source: CERS

Site ID: 405359
Site Name: VARSITY PRODUCE
Violation Date: 04-30-2018
Citation: HSC 6.5 25123.3(h)(1) - California Health and Safety Code, Chapter 6.5, Section(s) 25123.3(h)(1)
Violation Description: Failure to send hazardous waste offsite for treatment, storage, or disposal within 180 days (or 270 days if waste is transported over 200 miles) for a generator who generates less than 1000 kilogram per month if all of the following conditions are met: (1) The quantity of hazardous waste accumulated onsite never exceeds 6,000 kilograms. (2) The generator complies with the requirements of 40 Code of Federal Regulations section 262.34(d), (e) and (f). (3) The generator does not hold acutely hazardous waste or extremely hazardous waste in an amount greater than one kilogram for more than 90 days.
Violation Notes: Facility failed to ensure that all waste was disposed of prior to the 180 day limit. Main waste oil tank was 30 days past and the two 55gal drums do not have dates.
Violation Division: Kern County Env Health Services Department
Violation Program: HW
Violation Source: CERS

Site ID: 405359
Site Name: VARSITY PRODUCE
Violation Date: 05-11-2015
Citation: HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Description: Failure to establish and electronically submit an adequate emergency response plan and procedures for a release or threatened release of a hazardous material.
Violation Notes: Returned to compliance on 07/01/2015. Complete and upload the Contingency Plan document.
Violation Division: Kern County Env Health Services Department
Violation Program: HMRRP
Violation Source: CERS

Site ID: 405359

VARSITY PRODUCE (Continued) **S121776755**

Site Name: VARSITY PRODUCE
Violation Date: 01-21-2014
Citation: 19 CCR 4.5 2755.1(a) - California Code of Regulations, Title 19, Chapter 4.5, Section(s) 2755.1(a)
Violation Description: Failure to compile and maintain the following up-to-date safety information related to the regulated substances, processes, and equipment: 1. Material Safety Data Sheets that meet the requirements of Section 5189 of Title 8 of CCR; 2. Maximum intended inventory of equipment in which the regulated substances are stored or processed; 3. Safe upper and lower temperatures, pressures, flows and compositions; 4. Equipment specifications; 5. Codes and standards used to design, build & operate the process.
Violation Notes: Returned to compliance on 06/11/2014. Lack of information on the ammonia detection system. The valves are not tagged.
Violation Division: Kern County Env Health Services Department
Violation Program: CalARP
Violation Source: CERS

Site ID: 405359
Site Name: VARSITY PRODUCE
Violation Date: 01-21-2014
Citation: HSC 6.67 Multiple - California Health and Safety Code, Chapter 6.67, Section(s) Multiple
Violation Description: Haz Waste Generator Program - Operations/Maintenance - General
Violation Notes: Returned to compliance on 06/11/2014. Label the containers when empty. Identify the containers that are kept for maintenance and label accordlingly.
Violation Division: Kern County Env Health Services Department
Violation Program: HW
Violation Source: CERS

Evaluation:
Eval General Type: Compliance Evaluation Inspection
Eval Date: 01-21-2014
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Kern County Env Health Services Department
Eval Program: HMRRP
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 02-03-2016
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Facility must tag valves and equipment to match the facility's P&IDs. Facility should create a schedule for testing and calibrating the ammonia sensors.
Eval Division: Kern County Env Health Services Department
Eval Program: CalARP
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 01-21-2014
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Not reported

VARSITY PRODUCE (Continued) **S121776755**

Eval Division:	Kern County Env Health Services Department
Eval Program:	HW
Eval Source:	CERS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	10-27-2016
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	Facility mst add contact number to their contingency plan as well as insure that all inventory items contain all required info; storage temp, storage pressure, days on site, etc.
Eval Division:	Kern County Env Health Services Department
Eval Program:	HMRRP
Eval Source:	CERS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	02-03-2016
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	Not reported
Eval Division:	Kern County Env Health Services Department
Eval Program:	HMRRP
Eval Source:	CERS
Eval General Type:	Other/Unknown
Eval Date:	02-03-2016
Violations Found:	No
Eval Type:	Other, not routine, done by local agency
Eval Notes:	Not reported
Eval Division:	Kern County Env Health Services Department
Eval Program:	CalARP
Eval Source:	CERS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	02-03-2016
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	Not reported
Eval Division:	Kern County Env Health Services Department
Eval Program:	HW
Eval Source:	CERS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	04-30-2018
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	Not reported
Eval Division:	Kern County Env Health Services Department
Eval Program:	CalARP
Eval Source:	CERS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	01-21-2014
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	Continue to develop and maintain the CalARP program at the facility. Document the completion of the prevention program requirements.

VARSITY PRODUCE (Continued) **S121776755**

Eval Division: Kern County Env Health Services Department
Eval Program: CalARP
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 04-30-2018
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Kern County Env Health Services Department
Eval Program: HMRRP
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 04-30-2018
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Kern County Env Health Services Department
Eval Program: HW
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 05-11-2015
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Varsity
Eval Division: Kern County Env Health Services Department
Eval Program: HMRRP
Eval Source: CERS

Eval General Type: Other/Unknown
Eval Date: 10-28-2013
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Not reported
Eval Division: Kern County Env Health Services Department
Eval Program: CalARP
Eval Source: CERS

Enforcement Action:
Site ID: 405359
Site Name: VARSITY PRODUCE
Site Address: 1425 W METTLER FRONTAGE RD
Site City: BAKERSFIELD
Site Zip: 93313
Enf Action Date: 01-21-2014
Enf Action Type: Notice of Violation (Unified Program)
Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes: Not reported
Enf Action Division: Kern County Env Health Services Department
Enf Action Program: CalARP
Enf Action Source: CERS

Site ID: 405359
Site Name: VARSITY PRODUCE
Site Address: 1425 W METTLER FRONTAGE RD

VARSITY PRODUCE (Continued) **S121776755**

Site City:	BAKERSFIELD
Site Zip:	93313
Enf Action Date:	01-21-2014
Enf Action Type:	Notice of Violation (Unified Program)
Enf Action Description:	Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes:	Not reported
Enf Action Division:	Kern County Env Health Services Department
Enf Action Program:	HMRRP
Enf Action Source:	CERS

Site ID:	405359
Site Name:	VARSITY PRODUCE
Site Address:	1425 W METTLER FRONTAGE RD
Site City:	BAKERSFIELD
Site Zip:	93313
Enf Action Date:	01-21-2014
Enf Action Type:	Notice of Violation (Unified Program)
Enf Action Description:	Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes:	Not reported
Enf Action Division:	Kern County Env Health Services Department
Enf Action Program:	HW
Enf Action Source:	CERS

Site ID:	405359
Site Name:	VARSITY PRODUCE
Site Address:	1425 W METTLER FRONTAGE RD
Site City:	BAKERSFIELD
Site Zip:	93313
Enf Action Date:	05-11-2015
Enf Action Type:	Notice of Violation (Unified Program)
Enf Action Description:	Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes:	Not reported
Enf Action Division:	Kern County Env Health Services Department
Enf Action Program:	HMRRP
Enf Action Source:	CERS

Affiliation:

Affiliation Type Desc:	CUPA District
Entity Name:	Kern County Environmental Health Services Departme
Entity Title:	Not reported
Affiliation Address:	2700 M Street, Suite 300
Affiliation City:	Bakersfield
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	93301-2370
Affiliation Phone:	(661) 862-8740

Affiliation Type Desc:	Environmental Contact
Entity Name:	BRENT RHODES
Entity Title:	Not reported
Affiliation Address:	2017 BRUNDAGE LANE
Affiliation City:	BAKERSFIELD
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	93304
Affiliation Phone:	(661) 858-1061

VARSITY PRODUCE (Continued) **S121776755**

Affiliation Type Desc:	Document Preparer
Entity Name:	BRENT RHODES
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported

Affiliation Type Desc:	Facility Mailing Address
Entity Name:	Mailing Address
Entity Title:	Not reported
Affiliation Address:	2017 BRUNDAGE LANE
Affiliation City:	BAKERSFIELD
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	93304
Affiliation Phone:	Not reported

Affiliation Type Desc:	Property Owner
Entity Name:	RICHARD RHODES
Entity Title:	Not reported
Affiliation Address:	2017 BRUNDAGE LN
Affiliation City:	BAKERSFIELD
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	93304
Affiliation Phone:	(661) 322-2244

Affiliation Type Desc:	Identification Signer
Entity Name:	BRENT RHODES
Entity Title:	OPERATIONS MANAGER
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported

Affiliation Type Desc:	Legal Owner
Entity Name:	RICK RHODES
Entity Title:	Not reported
Affiliation Address:	2017 BRUNDAGE LANE
Affiliation City:	BAKERSFIELD
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	93304
Affiliation Phone:	(661) 322-2244

Affiliation Type Desc:	Operator
Entity Name:	RICK RHODES
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported

VARSITY PRODUCE (Continued) **S121776755**

Affiliation Zip: Not reported
Affiliation Phone: (661) 322-2244

Affiliation Type Desc: Parent Corporation
Entity Name: VARSITY PRODUCE
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: Not reported

Site ID: 405359
CERS ID: 10230637
CERS Description: Hazardous Waste Generator

Violations:

Site ID: 405359
Site Name: VARSITY PRODUCE
Violation Date: 01-21-2014
Citation: 19 CCR 4.5 2745.2(a)(1) - California Code of Regulations, Title 19, Chapter 4.5, Section(s) 2745.2(a)(1)
Violation Description: Failure to ensure that the Risk Management Plan is certified complete by a qualified person and the stationary source owner or operator.
Violation Notes: Returned to compliance on 06/11/2014. The current RMP Submittal has not been certified. Submit a certification statement for the RMP Submittal.
Violation Division: Kern County Env Health Services Department
Violation Program: CalARP
Violation Source: CERS

Site ID: 405359
Site Name: VARSITY PRODUCE
Violation Date: 04-30-2018
Citation: 40 CFR 1 265.173 - U.S. Code of Federal Regulations, Title 40, Chapter 1, Section(s) 265.173
Violation Description: Failure to meet the following container management requirements: (a) A container holding hazardous waste must always be closed during storage, except when it is necessary to add or remove waste. (b) A container holding hazardous waste must not be opened, handled, or stored in a manner which may rupture the container or cause it to leak.
Violation Notes: Facility failed to ensure that all waste containers are properly closed.
Violation Division: Kern County Env Health Services Department
Violation Program: HW
Violation Source: CERS

Site ID: 405359
Site Name: VARSITY PRODUCE
Violation Date: 04-30-2018
Citation: HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Description: Failure to complete and electronically submit hazardous material inventory information for all reportable hazardous materials on site at or above reportable quantities.

VARSITY PRODUCE (Continued) **S121776755**

Violation Notes: Facility Failed to report welding gases on Business Plan
Violation Division: Kern County Env Health Services Department
Violation Program: HMRRP
Violation Source: CERS

Site ID: 405359
Site Name: VARSITY PRODUCE
Violation Date: 05-11-2015
Citation: HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Description: Failure to complete and electronically submit a site map with all required content.
Violation Notes: Returned to compliance on 07/01/2015. Add additional 8x11 maps showing location of chemicals
Violation Division: Kern County Env Health Services Department
Violation Program: HMRRP
Violation Source: CERS

Site ID: 405359
Site Name: VARSITY PRODUCE
Violation Date: 02-03-2016
Citation: 19 CCR 4.5 2755.6(a) - California Code of Regulations, Title 19, Chapter 4.5, Section(s) 2755.6(a)
Violation Description: Failure to certify that they have evaluated compliance with the provisions of this article at least every three years to verify that the procedures and practices developed under this chapter are adequate and are being followed.
Violation Notes: Returned to compliance on 03/17/2016. Last compliance audit was performed on 8-9-2012. A new compliance audit should have been performed on or before 8-9-2015.
Violation Division: Kern County Env Health Services Department
Violation Program: CalARP
Violation Source: CERS

Site ID: 405359
Site Name: VARSITY PRODUCE
Violation Date: 02-03-2016
Citation: 40 CFR 1 265.173 - U.S. Code of Federal Regulations, Title 40, Chapter 1, Section(s) 265.173
Violation Description: Failure to properly close hazardous waste containers when not in active use.
Violation Notes: Returned to compliance on 02/03/2016. Multiple five gallon containers containing rain water and waste oil. Store containers in a way to avoid rainwater.
Violation Division: Kern County Env Health Services Department
Violation Program: HW
Violation Source: CERS

Site ID: 405359
Site Name: VARSITY PRODUCE
Violation Date: 04-30-2018
Citation: 22 CCR 12 66262.34(f) - California Code of Regulations, Title 22, Chapter 12, Section(s) 66262.34(f)
Violation Description: Failure to label stationary hazardous waste tanks as "hazardous waste" and mark with an accumulation start date.
Violation Notes: Two 55gal drums do not have dates.
Violation Division: Kern County Env Health Services Department

VARSITY PRODUCE (Continued) **S121776755**

Violation Program: HW
Violation Source: CERS

Site ID: 405359
Site Name: VARSITY PRODUCE
Violation Date: 01-21-2014
Citation: 19 CCR 4.5 2755.5(a) - California Code of Regulations, Title 19, Chapter 4.5, Section(s) 2755.5(a)
Violation Description: Failure to prepare and implement procedures to maintain the on-going mechanical integrity of the process equipment.
Violation Notes: Returned to compliance on 06/11/2014. Lack of a Preventative Maintenance schedule. There is no schedule for oil changing or draining. The oil has not been routinely removed from the system. Consider logging oil in and oil out of the refrigeration system. Document work performed on the refrigeration system.
Violation Division: Kern County Env Health Services Department
Violation Program: CalARP
Violation Source: CERS

Site ID: 405359
Site Name: VARSITY PRODUCE
Violation Date: 02-03-2016
Citation: 19 CCR 4.5 2755.3(a)(b) - California Code of Regulations, Title 19, Chapter 4.5, Section(s) 2755.3(a)(b)
Violation Description: Failure to prepare written operating procedures that provide clear instructions or steps for safely conducting activities associated with each covered process consistent with the safety information for that process and address the following: 1. Initial startup; 2. Normal operations; 3. Temporary operations; 4. Emergency shutdown and operations; 5. Normal shutdown; 6. Startup following a normal or emergency shutdown or a major change that requires a hazard review; 7. Consequences of deviations and steps required to correct or avoid deviations; 8. Equipment inspections.
Violation Notes: Returned to compliance on 06/24/2016. Facility must prepare a written operating procedure for normal shutdowns. Even though the facility runs year round, a procedure needs to be in place in case a shut down is required.
Violation Division: Kern County Env Health Services Department
Violation Program: CalARP
Violation Source: CERS

Site ID: 405359
Site Name: VARSITY PRODUCE
Violation Date: 02-03-2016
Citation: 19 CCR 4.5 2755.5(d) - California Code of Regulations, Title 19, Chapter 4.5, Section(s) 2755.5(d)
Violation Description: Failure to perform or cause to be performed inspections and tests on process equipment that: 1. Follow recognized and generally accepted good engineering practices; 2. The frequency of inspections & tests must be consistent with applicable manufacturer s recommendations, industry standards or codes, good engineering practices and prior operating experience).
Violation Notes: Returned to compliance on 06/24/2016. Facility must maintain a daily log that logs pressures and temperatures for the covered process. Facility should also consider annual or semi-annual inspections of the system.
Violation Division: Kern County Env Health Services Department

VARSITY PRODUCE (Continued) **S121776755**

Violation Program: CalARP
Violation Source: CERS

Site ID: 405359
Site Name: VARSITY PRODUCE
Violation Date: 01-21-2014
Citation: 19 CCR 4.5 2755.3(a)(b) - California Code of Regulations, Title 19, Chapter 4.5, Section(s) 2755.3(a)(b)
Violation Description: Failure to prepare written operating procedures that provide clear instructions or steps for safely conducting activities associated with each covered process consistent with the safety information for that process and address the following: 1. Initial startup; 2. Normal operations; 3. Temporary operations; 4. Emergency shutdown and operations; 5. Normal shutdown; 6. Startup following a normal or emergency shutdown or a major change that requires a hazard review; 7. Consequences of deviations and steps required to correct or avoid deviations; 8. Equipment inspections.
Violation Notes: Returned to compliance on 06/11/2014. Lack of procedures for Normal Shut Down. Lack of a Master List to verify all SOPs are complete and current.
Violation Division: Kern County Env Health Services Department
Violation Program: CalARP
Violation Source: CERS

Site ID: 405359
Site Name: VARSITY PRODUCE
Violation Date: 05-11-2015
Citation: HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Description: Failure to establish and electronically submit an adequate training program in safety procedures in the event of a release or threatened release of a hazardous material.
Violation Notes: Returned to compliance on 07/01/2015. Upload an outline of the training provided to staff for hazardous material and waste.
Violation Division: Kern County Env Health Services Department
Violation Program: HMRRP
Violation Source: CERS

Site ID: 405359
Site Name: VARSITY PRODUCE
Violation Date: 04-30-2018
Citation: 19 CCR 4.5 2755.5(d) - California Code of Regulations, Title 19, Chapter 4.5, Section(s) 2755.5(d)
Violation Description: Failure to perform or cause to be performed inspections and tests on process equipment that: 1. Follow recognized and generally accepted good engineering practices; 2. The frequency of inspections & tests must be consistent with applicable manufacturer s recommendations, industry standards or codes, good engineering practices and prior operating experience).
Violation Notes: Facility failed to provide documentation ensuring that relief valves are up to date.
Violation Division: Kern County Env Health Services Department
Violation Program: CalARP
Violation Source: CERS

Site ID: 405359
Site Name: VARSITY PRODUCE

VARSITY PRODUCE (Continued) **S121776755**

Violation Date:	01-21-2014
Citation:	HSC 6.95 25504(a) - California Health and Safety Code, Chapter 6.95, Section(s) 25504(a)
Violation Description:	Failure to complete and/or submit hazardous material inventory forms for all reportable hazardous materials on site.
Violation Notes:	Returned to compliance on 06/11/2014. Update the hazardous materials inventory to include the waste oil, used oil filters, floor cleaner and degreaser.
Violation Division:	Kern County Env Health Services Department
Violation Program:	HMRRP
Violation Source:	CERS
Site ID:	405359
Site Name:	VARSITY PRODUCE
Violation Date:	01-21-2014
Citation:	19 CCR 4.5 2755.2(e) - California Code of Regulations, Title 19, Chapter 4.5, Section(s) 2755.2(e)
Violation Description:	Failure to document the results of the hazard review and ensure that problems identified are resolved in a timely manner.
Violation Notes:	Returned to compliance on 06/11/2014. The Hazard Review recommendations have not been addressed. Document the resolution of the recommendations.
Violation Division:	Kern County Env Health Services Department
Violation Program:	CalARP
Violation Source:	CERS
Site ID:	405359
Site Name:	VARSITY PRODUCE
Violation Date:	01-21-2014
Citation:	19 CCR 4.5 2755.5(b) - California Code of Regulations, Title 19, Chapter 4.5, Section(s) 2755.5(b)
Violation Description:	Failure to train or cause to be trained each employee involved in maintaining the on-going mechanical integrity of the process in: 1. The hazards of the process; 2. How to avoid or correct unsafe conditions; 3. The procedures applicable to the employee s job tasks.
Violation Notes:	Returned to compliance on 06/11/2014. Lack of training for the employees job tasks. Identify the job tasks performed by employees and document the employee training.
Violation Division:	Kern County Env Health Services Department
Violation Program:	CalARP
Violation Source:	CERS
Site ID:	405359
Site Name:	VARSITY PRODUCE
Violation Date:	01-21-2014
Citation:	19 CCR 4.5 2755.7(c) - California Code of Regulations, Title 19, Chapter 4.5, Section(s) 2755.7(c)
Violation Description:	Failure to prepare a summary of the investigation at the conclusion of the investigation that includes at a minimum: 1. Date of incident; 2. Date investigation began; 3. Description of incident; 4. Factors that contributed to the incident; 5. Recommendations resulting from the investigation
Violation Notes:	Returned to compliance on 06/11/2014. The Incident Investigation Report does not document the date the investigation began.
Violation Division:	Kern County Env Health Services Department
Violation Program:	CalARP
Violation Source:	CERS

VARSITY PRODUCE (Continued) **S121776755**

Site ID: 405359
Site Name: VARSITY PRODUCE
Violation Date: 01-21-2014
Citation: 19 CCR 4.5 2755.5(d) - California Code of Regulations, Title 19, Chapter 4.5, Section(s) 2755.5(d)
Violation Description: Failure to perform or cause to be performed inspections and tests on process equipment that: 1. Follow recognized and generally accepted good engineering practices; 2. The frequency of inspections & tests must be consistent with applicable manufacturer s recommendations, industry standards or codes, good engineering practices and prior operating experience).
Violation Notes: Returned to compliance on 06/11/2014. The ammonia detection system has not been routinely calibrated. The safety systems have not been tested.
Violation Division: Kern County Env Health Services Department
Violation Program: CalARP
Violation Source: CERS

Site ID: 405359
Site Name: VARSITY PRODUCE
Violation Date: 04-30-2018
Citation: HSC 6.5 25123.3(h)(1) - California Health and Safety Code, Chapter 6.5, Section(s) 25123.3(h)(1)
Violation Description: Failure to send hazardous waste offsite for treatment, storage, or disposal within 180 days (or 270 days if waste is transported over 200 miles) for a generator who generates less than 1000 kilogram per month if all of the following conditions are met: (1) The quantity of hazardous waste accumulated onsite never exceeds 6,000 kilograms. (2) The generator complies with the requirements of 40 Code of Federal Regulations section 262.34(d), (e) and (f). (3) The generator does not hold acutely hazardous waste or extremely hazardous waste in an amount greater than one kilogram for more than 90 days.
Violation Notes: Facility failed to ensure that all waste was disposed of prior to the 180 day limit. Main waste oil tank was 30 days past and the two 55gal drums do not have dates.
Violation Division: Kern County Env Health Services Department
Violation Program: HW
Violation Source: CERS

Site ID: 405359
Site Name: VARSITY PRODUCE
Violation Date: 05-11-2015
Citation: HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Description: Failure to establish and electronically submit an adequate emergency response plan and procedures for a release or threatened release of a hazardous material.
Violation Notes: Returned to compliance on 07/01/2015. Complete and upload the Contingency Plan document.
Violation Division: Kern County Env Health Services Department
Violation Program: HMRRP
Violation Source: CERS

Site ID: 405359
Site Name: VARSITY PRODUCE
Violation Date: 01-21-2014
Citation: 19 CCR 4.5 2755.1(a) - California Code of Regulations, Title 19,

VARSITY PRODUCE (Continued) **S121776755**

	Chapter 4.5, Section(s) 2755.1(a)
Violation Description:	Failure to compile and maintain the following up-to-date safety information related to the regulated substances, processes, and equipment: 1. Material Safety Data Sheets that meet the requirements of Section 5189 of Title 8 of CCR; 2. Maximum intended inventory of equipment in which the regulated substances are stored or processed; 3. Safe upper and lower temperatures, pressures, flows and compositions; 4. Equipment specifications; 5. Codes and standards used to design, build & operate the process.
Violation Notes:	Returned to compliance on 06/11/2014. Lack of information on the ammonia detection system. The valves are not tagged.
Violation Division:	Kern County Env Health Services Department
Violation Program:	CalARP
Violation Source:	CERS
Site ID:	405359
Site Name:	VARSITY PRODUCE
Violation Date:	01-21-2014
Citation:	HSC 6.67 Multiple - California Health and Safety Code, Chapter 6.67, Section(s) Multiple
Violation Description:	Haz Waste Generator Program - Operations/Maintenance - General
Violation Notes:	Returned to compliance on 06/11/2014. Label the containers when empty. Identify the containers that are kept for maintenance and label accordlingly.
Violation Division:	Kern County Env Health Services Department
Violation Program:	HW
Violation Source:	CERS

Evaluation:

Eval General Type:	Compliance Evaluation Inspection
Eval Date:	01-21-2014
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	Not reported
Eval Division:	Kern County Env Health Services Department
Eval Program:	HMRRP
Eval Source:	CERS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	02-03-2016
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	Facility must tag valves and equipment to match the facility's P&IDs. Facility should create a schedule for testing and calibrating the ammonia sensors.
Eval Division:	Kern County Env Health Services Department
Eval Program:	CalARP
Eval Source:	CERS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	01-21-2014
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	Not reported
Eval Division:	Kern County Env Health Services Department
Eval Program:	HW
Eval Source:	CERS

VARSITY PRODUCE (Continued) **S121776755**

Eval General Type:	Compliance Evaluation Inspection
Eval Date:	10-27-2016
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	Facility mst add contact number to their contingency plan as well as insure that all inventory items contain all required info; storage temp, storage pressure, days on site, etc.
Eval Division:	Kern County Env Health Services Department
Eval Program:	HMRRP
Eval Source:	CERS

Eval General Type:	Compliance Evaluation Inspection
Eval Date:	02-03-2016
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	Not reported
Eval Division:	Kern County Env Health Services Department
Eval Program:	HMRRP
Eval Source:	CERS

Eval General Type:	Other/Unknown
Eval Date:	02-03-2016
Violations Found:	No
Eval Type:	Other, not routine, done by local agency
Eval Notes:	Not reported
Eval Division:	Kern County Env Health Services Department
Eval Program:	CalARP
Eval Source:	CERS

Eval General Type:	Compliance Evaluation Inspection
Eval Date:	02-03-2016
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	Not reported
Eval Division:	Kern County Env Health Services Department
Eval Program:	HW
Eval Source:	CERS

Eval General Type:	Compliance Evaluation Inspection
Eval Date:	04-30-2018
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	Not reported
Eval Division:	Kern County Env Health Services Department
Eval Program:	CalARP
Eval Source:	CERS

Eval General Type:	Compliance Evaluation Inspection
Eval Date:	01-21-2014
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	Continue to develop and maintain the CalARP program at the facility. Document the completion of the prevention program requirements.
Eval Division:	Kern County Env Health Services Department
Eval Program:	CalARP
Eval Source:	CERS

VARSITY PRODUCE (Continued) **S121776755**

Eval General Type: Compliance Evaluation Inspection
Eval Date: 04-30-2018
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Kern County Env Health Services Department
Eval Program: HMRRP
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 04-30-2018
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Kern County Env Health Services Department
Eval Program: HW
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 05-11-2015
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Varsity
Eval Division: Kern County Env Health Services Department
Eval Program: HMRRP
Eval Source: CERS

Eval General Type: Other/Unknown
Eval Date: 10-28-2013
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Not reported
Eval Division: Kern County Env Health Services Department
Eval Program: CalARP
Eval Source: CERS

Enforcement Action:
Site ID: 405359
Site Name: VARSITY PRODUCE
Site Address: 1425 W METTLER FRONTAGE RD
Site City: BAKERSFIELD
Site Zip: 93313
Enf Action Date: 01-21-2014
Enf Action Type: Notice of Violation (Unified Program)
Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes: Not reported
Enf Action Division: Kern County Env Health Services Department
Enf Action Program: CalARP
Enf Action Source: CERS

Site ID: 405359
Site Name: VARSITY PRODUCE
Site Address: 1425 W METTLER FRONTAGE RD
Site City: BAKERSFIELD
Site Zip: 93313
Enf Action Date: 01-21-2014
Enf Action Type: Notice of Violation (Unified Program)

VARSITY PRODUCE (Continued) **S121776755**

Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes: Not reported
Enf Action Division: Kern County Env Health Services Department
Enf Action Program: HMRRP
Enf Action Source: CERS

Site ID: 405359
Site Name: VARSITY PRODUCE
Site Address: 1425 W METTLER FRONTAGE RD
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Enf Action Date: 01-21-2014
Enf Action Type: Notice of Violation (Unified Program)
Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes: Not reported
Enf Action Division: Kern County Env Health Services Department
Enf Action Program: HW
Enf Action Source: CERS

Site ID: 405359
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Enf Action Date: 05-11-2015
Enf Action Type: Notice of Violation (Unified Program)
Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes: Not reported
Enf Action Division: Kern County Env Health Services Department
Enf Action Program: HMRRP
Enf Action Source: CERS

Affiliation:
Affiliation Type Desc: CUPA District
Entity Name: Kern County Environmental Health Services Departme
Entity Title: Not reported
Affiliation Address: 2700 M Street, Suite 300
Affiliation City: Bakersfield
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 93301-2370
Affiliation Phone: (661) 862-8740

Affiliation Type Desc: Environmental Contact
Entity Name: BRENT RHODES
Entity Title: Not reported
Affiliation Address: 2017 BRUNDAGE LANE
Affiliation City: BAKERSFIELD
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 93304
Affiliation Phone: (661) 858-1061

Affiliation Type Desc: Document Preparer
Entity Name: BRENT RHODES
Entity Title: Not reported
Affiliation Address: Not reported

VARSITY PRODUCE (Continued) **S121776755**

Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported

Affiliation Type Desc:	Facility Mailing Address
Entity Name:	Mailing Address
Entity Title:	Not reported
Affiliation Address:	2017 BRUNDAGE LANE
Affiliation City:	BAKERSFIELD
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	93304
Affiliation Phone:	Not reported

Affiliation Type Desc:	Property Owner
Entity Name:	RICHARD RHODES
Entity Title:	Not reported
Affiliation Address:	2017 BRUNDAGE LN
Affiliation City:	BAKERSFIELD
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	93304
Affiliation Phone:	(661) 322-2244

Affiliation Type Desc:	Identification Signer
Entity Name:	BRENT RHODES
Entity Title:	OPERATIONS MANAGER
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported

Affiliation Type Desc:	Legal Owner
Entity Name:	RICK RHODES
Entity Title:	Not reported
Affiliation Address:	2017 BRUNDAGE LANE
Affiliation City:	BAKERSFIELD
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	93304
Affiliation Phone:	(661) 322-2244

Affiliation Type Desc:	Operator
Entity Name:	RICK RHODES
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	(661) 322-2244

Affiliation Type Desc:	Parent Corporation

VARSITY PRODUCE (Continued) **S121776755**

Entity Name: VARSITY PRODUCE
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: Not reported

CERS TANKS:
Site ID: 405359
CERS ID: 10230637
CERS Description: Chemical Storage Facilities

Violations:
Site ID: 405359
Site Name: VARSITY PRODUCE
Violation Date: 01-21-2014
Citation: 19 CCR 4.5 2745.2(a)(1) - California Code of Regulations, Title 19, Chapter 4.5, Section(s) 2745.2(a)(1)
Violation Description: Failure to ensure that the Risk Management Plan is certified complete by a qualified person and the stationary source owner or operator.
Violation Notes: Returned to compliance on 06/11/2014. The current RMP Submittal has not been certified. Submit a certification statement for the RMP Submittal.
Violation Division: Kern County Env Health Services Department
Violation Program: CalARP
Violation Source: CERS

Site ID: 405359
Site Name: VARSITY PRODUCE
Violation Date: 04-30-2018
Citation: 40 CFR 1 265.173 - U.S. Code of Federal Regulations, Title 40, Chapter 1, Section(s) 265.173
Violation Description: Failure to meet the following container management requirements: (a) A container holding hazardous waste must always be closed during storage, except when it is necessary to add or remove waste. (b) A container holding hazardous waste must not be opened, handled, or stored in a manner which may rupture the container or cause it to leak.
Violation Notes: Facility failed to ensure that all waste containers are properly closed.
Violation Division: Kern County Env Health Services Department
Violation Program: HW
Violation Source: CERS

Site ID: 405359
Site Name: VARSITY PRODUCE
Violation Date: 04-30-2018
Citation: HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Description: Failure to complete and electronically submit hazardous material inventory information for all reportable hazardous materials on site at or above reportable quantities.
Violation Notes: Facility Failed to report welding gases on Business Plan
Violation Division: Kern County Env Health Services Department

VARSITY PRODUCE (Continued) **S121776755**

Violation Program: HMRRP
Violation Source: CERS

Site ID: 405359
Site Name: VARSITY PRODUCE
Violation Date: 05-11-2015
Citation: HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Description: Failure to complete and electronically submit a site map with all required content.
Violation Notes: Returned to compliance on 07/01/2015. Add additional 8x11 maps showing location of chemicals
Violation Division: Kern County Env Health Services Department
Violation Program: HMRRP
Violation Source: CERS

Site ID: 405359
Site Name: VARSITY PRODUCE
Violation Date: 02-03-2016
Citation: 19 CCR 4.5 2755.6(a) - California Code of Regulations, Title 19, Chapter 4.5, Section(s) 2755.6(a)
Violation Description: Failure to certify that they have evaluated compliance with the provisions of this article at least every three years to verify that the procedures and practices developed under this chapter are adequate and are being followed.
Violation Notes: Returned to compliance on 03/17/2016. Last compliance audit was performed on 8-9-2012. A new compliance audit should have been performed on or before 8-9-2015.
Violation Division: Kern County Env Health Services Department
Violation Program: CalARP
Violation Source: CERS

Site ID: 405359
Site Name: VARSITY PRODUCE
Violation Date: 02-03-2016
Citation: 40 CFR 1 265.173 - U.S. Code of Federal Regulations, Title 40, Chapter 1, Section(s) 265.173
Violation Description: Failure to properly close hazardous waste containers when not in active use.
Violation Notes: Returned to compliance on 02/03/2016. Multiple five gallon containers containing rain water and waste oil. Store containers in a way to avoid rainwater.
Violation Division: Kern County Env Health Services Department
Violation Program: HW
Violation Source: CERS

Site ID: 405359
Site Name: VARSITY PRODUCE
Violation Date: 04-30-2018
Citation: 22 CCR 12 66262.34(f) - California Code of Regulations, Title 22, Chapter 12, Section(s) 66262.34(f)
Violation Description: Failure to label stationary hazardous waste tanks as "hazardous waste" and mark with an accumulation start date.
Violation Notes: Two 55gal drums do not have dates.
Violation Division: Kern County Env Health Services Department
Violation Program: HW
Violation Source: CERS

VARSITY PRODUCE (Continued) **S121776755**

Site ID: 405359
Site Name: VARSITY PRODUCE
Violation Date: 01-21-2014
Citation: 19 CCR 4.5 2755.5(a) - California Code of Regulations, Title 19, Chapter 4.5, Section(s) 2755.5(a)
Violation Description: Failure to prepare and implement procedures to maintain the on-going mechanical integrity of the process equipment.
Violation Notes: Returned to compliance on 06/11/2014. Lack of a Preventative Maintenance schedule. There is no schedule for oil changing or draining. The oil has not been routinely removed from the system. Consider logging oil in and oil out of the refrigeration system. Document work performed on the refrigeration system.
Violation Division: Kern County Env Health Services Department
Violation Program: CalARP
Violation Source: CERS

Site ID: 405359
Site Name: VARSITY PRODUCE
Violation Date: 02-03-2016
Citation: 19 CCR 4.5 2755.3(a)(b) - California Code of Regulations, Title 19, Chapter 4.5, Section(s) 2755.3(a)(b)
Violation Description: Failure to prepare written operating procedures that provide clear instructions or steps for safely conducting activities associated with each covered process consistent with the safety information for that process and address the following: 1. Initial startup; 2. Normal operations; 3. Temporary operations; 4. Emergency shutdown and operations; 5. Normal shutdown; 6. Startup following a normal or emergency shutdown or a major change that requires a hazard review; 7. Consequences of deviations and steps required to correct or avoid deviations; 8. Equipment inspections.
Violation Notes: Returned to compliance on 06/24/2016. Facility must prepare a written operating procedure for normal shutdowns. Even though the facility runs year round, a procedure needs to be in place in case a shut down is required.
Violation Division: Kern County Env Health Services Department
Violation Program: CalARP
Violation Source: CERS

Site ID: 405359
Site Name: VARSITY PRODUCE
Violation Date: 02-03-2016
Citation: 19 CCR 4.5 2755.5(d) - California Code of Regulations, Title 19, Chapter 4.5, Section(s) 2755.5(d)
Violation Description: Failure to perform or cause to be performed inspections and tests on process equipment that: 1. Follow recognized and generally accepted good engineering practices; 2. The frequency of inspections & tests must be consistent with applicable manufacturer s recommendations, industry standards or codes, good engineering practices and prior operating experience).
Violation Notes: Returned to compliance on 06/24/2016. Facility must maintain a daily log that logs pressures and temperatures for the covered process. Facility should also consider annual or semi-annual inspections of the system.
Violation Division: Kern County Env Health Services Department
Violation Program: CalARP
Violation Source: CERS

VARSITY PRODUCE (Continued) **S121776755**

Site ID: 405359
Site Name: VARSITY PRODUCE
Violation Date: 01-21-2014
Citation: 19 CCR 4.5 2755.3(a)(b) - California Code of Regulations, Title 19, Chapter 4.5, Section(s) 2755.3(a)(b)
Violation Description: Failure to prepare written operating procedures that provide clear instructions or steps for safely conducting activities associated with each covered process consistent with the safety information for that process and address the following: 1. Initial startup; 2. Normal operations; 3. Temporary operations; 4. Emergency shutdown and operations; 5. Normal shutdown; 6. Startup following a normal or emergency shutdown or a major change that requires a hazard review; 7. Consequences of deviations and steps required to correct or avoid deviations; 8. Equipment inspections.
Violation Notes: Returned to compliance on 06/11/2014. Lack of procedures for Normal Shut Down. Lack of a Master List to verify all SOPs are complete and current.
Violation Division: Kern County Env Health Services Department
Violation Program: CalARP
Violation Source: CERS

Site ID: 405359
Site Name: VARSITY PRODUCE
Violation Date: 05-11-2015
Citation: HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Description: Failure to establish and electronically submit an adequate training program in safety procedures in the event of a release or threatened release of a hazardous material.
Violation Notes: Returned to compliance on 07/01/2015. Upload an outline of the training provided to staff for hazardous material and waste.
Violation Division: Kern County Env Health Services Department
Violation Program: HMRRP
Violation Source: CERS

Site ID: 405359
Site Name: VARSITY PRODUCE
Violation Date: 04-30-2018
Citation: 19 CCR 4.5 2755.5(d) - California Code of Regulations, Title 19, Chapter 4.5, Section(s) 2755.5(d)
Violation Description: Failure to perform or cause to be performed inspections and tests on process equipment that: 1. Follow recognized and generally accepted good engineering practices; 2. The frequency of inspections & tests must be consistent with applicable manufacturer s recommendations, industry standards or codes, good engineering practices and prior operating experience).
Violation Notes: Facility failed to provide documentation ensuring that relief valves are up to date.
Violation Division: Kern County Env Health Services Department
Violation Program: CalARP
Violation Source: CERS

Site ID: 405359
Site Name: VARSITY PRODUCE
Violation Date: 01-21-2014
Citation: HSC 6.95 25504(a) - California Health and Safety Code, Chapter 6.95, Section(s) 25504(a)

VARSITY PRODUCE (Continued) **S121776755**

Violation Description:	Failure to complete and/or submit hazardous material inventory forms for all reportable hazardous materials on site.
Violation Notes:	Returned to compliance on 06/11/2014. Update the hazardous materials inventory to include the waste oil, used oil filters, floor cleaner and degreaser.
Violation Division:	Kern County Env Health Services Department
Violation Program:	HMRRP
Violation Source:	CERS
Site ID:	405359
Site Name:	VARSITY PRODUCE
Violation Date:	01-21-2014
Citation:	19 CCR 4.5 2755.2(e) - California Code of Regulations, Title 19, Chapter 4.5, Section(s) 2755.2(e)
Violation Description:	Failure to document the results of the hazard review and ensure that problems identified are resolved in a timely manner.
Violation Notes:	Returned to compliance on 06/11/2014. The Hazard Review recommendations have not been addressed. Document the resolution of the recommendations.
Violation Division:	Kern County Env Health Services Department
Violation Program:	CalARP
Violation Source:	CERS
Site ID:	405359
Site Name:	VARSITY PRODUCE
Violation Date:	01-21-2014
Citation:	19 CCR 4.5 2755.5(b) - California Code of Regulations, Title 19, Chapter 4.5, Section(s) 2755.5(b)
Violation Description:	Failure to train or cause to be trained each employee involved in maintaining the on-going mechanical integrity of the process in: 1. The hazards of the process; 2. How to avoid or correct unsafe conditions; 3. The procedures applicable to the employee s job tasks.
Violation Notes:	Returned to compliance on 06/11/2014. Lack of training for the employees job tasks. Identify the job tasks performed by employees and document the employee training.
Violation Division:	Kern County Env Health Services Department
Violation Program:	CalARP
Violation Source:	CERS
Site ID:	405359
Site Name:	VARSITY PRODUCE
Violation Date:	01-21-2014
Citation:	19 CCR 4.5 2755.7(c) - California Code of Regulations, Title 19, Chapter 4.5, Section(s) 2755.7(c)
Violation Description:	Failure to prepare a summary of the investigation at the conclusion of the investigation that includes at a minimum: 1. Date of incident; 2. Date investigation began; 3. Description of incident; 4. Factors that contributed to the incident; 5. Recommendations resulting from the investigation
Violation Notes:	Returned to compliance on 06/11/2014. The Incident Investigation Report does not document the date the investigation began.
Violation Division:	Kern County Env Health Services Department
Violation Program:	CalARP
Violation Source:	CERS
Site ID:	405359
Site Name:	VARSITY PRODUCE

VARSITY PRODUCE (Continued) **S121776755**

Violation Date: 01-21-2014
Citation: 19 CCR 4.5 2755.5(d) - California Code of Regulations, Title 19, Chapter 4.5, Section(s) 2755.5(d)
Violation Description: Failure to perform or cause to be performed inspections and tests on process equipment that: 1. Follow recognized and generally accepted good engineering practices; 2. The frequency of inspections & tests must be consistent with applicable manufacturer s recommendations, industry standards or codes, good engineering practices and prior operating experience).
Violation Notes: Returned to compliance on 06/11/2014. The ammonia detection system has not been routinely calibrated. The safety systems have not been tested.
Violation Division: Kern County Env Health Services Department
Violation Program: CalARP
Violation Source: CERS

Site ID: 405359
Site Name: VARSITY PRODUCE
Violation Date: 04-30-2018
Citation: HSC 6.5 25123.3(h)(1) - California Health and Safety Code, Chapter 6.5, Section(s) 25123.3(h)(1)
Violation Description: Failure to send hazardous waste offsite for treatment, storage, or disposal within 180 days (or 270 days if waste is transported over 200 miles) for a generator who generates less than 1000 kilogram per month if all of the following conditions are met: (1) The quantity of hazardous waste accumulated onsite never exceeds 6,000 kilograms. (2) The generator complies with the requirements of 40 Code of Federal Regulations section 262.34(d), (e) and (f). (3) The generator does not hold acutely hazardous waste or extremely hazardous waste in an amount greater than one kilogram for more than 90 days.
Violation Notes: Facility failed to ensure that all waste was disposed of prior to the 180 day limit. Main waste oil tank was 30 days past and the two 55gal drums do not have dates.
Violation Division: Kern County Env Health Services Department
Violation Program: HW
Violation Source: CERS

Site ID: 405359
Site Name: VARSITY PRODUCE
Violation Date: 05-11-2015
Citation: HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Description: Failure to establish and electronically submit an adequate emergency response plan and procedures for a release or threatened release of a hazardous material.
Violation Notes: Returned to compliance on 07/01/2015. Complete and upload the Contingency Plan document.
Violation Division: Kern County Env Health Services Department
Violation Program: HMRRP
Violation Source: CERS

Site ID: 405359
Site Name: VARSITY PRODUCE
Violation Date: 01-21-2014
Citation: 19 CCR 4.5 2755.1(a) - California Code of Regulations, Title 19, Chapter 4.5, Section(s) 2755.1(a)
Violation Description: Failure to compile and maintain the following up-to-date safety

VARSITY PRODUCE (Continued) **S121776755**

	information related to the regulated substances, processes, and equipment: 1. Material Safety Data Sheets that meet the requirements of Section 5189 of Title 8 of CCR; 2. Maximum intended inventory of equipment in which the regulated substances are stored or processed; 3. Safe upper and lower temperatures, pressures, flows and compositions; 4. Equipment specifications; 5. Codes and standards used to design, build & operate the process.
Violation Notes:	Returned to compliance on 06/11/2014. Lack of information on the ammonia detection system. The valves are not tagged.
Violation Division:	Kern County Env Health Services Department
Violation Program:	CalARP
Violation Source:	CERS
Site ID:	405359
Site Name:	VARSITY PRODUCE
Violation Date:	01-21-2014
Citation:	HSC 6.67 Multiple - California Health and Safety Code, Chapter 6.67, Section(s) Multiple
Violation Description:	Haz Waste Generator Program - Operations/Maintenance - General
Violation Notes:	Returned to compliance on 06/11/2014. Label the containers when empty. Identify the containers that are kept for maintenance and label accordlingly.
Violation Division:	Kern County Env Health Services Department
Violation Program:	HW
Violation Source:	CERS
Evaluation:	
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	01-21-2014
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	Not reported
Eval Division:	Kern County Env Health Services Department
Eval Program:	HMRRP
Eval Source:	CERS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	02-03-2016
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	Facility must tag valves and equipment to match the facility's P&IDs. Facility should create a schedule for testing and calibrating the ammonia sensors.
Eval Division:	Kern County Env Health Services Department
Eval Program:	CalARP
Eval Source:	CERS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	01-21-2014
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	Not reported
Eval Division:	Kern County Env Health Services Department
Eval Program:	HW
Eval Source:	CERS
Eval General Type:	Compliance Evaluation Inspection

VARSITY PRODUCE (Continued) **S121776755**

Eval Date:	10-27-2016
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	Facility mst add contact number to their contingency plan as well as insure that all inventory items contain all required info; storage temp, storage pressure, days on site, etc.
Eval Division:	Kern County Env Health Services Department
Eval Program:	HMRRP
Eval Source:	CERS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	02-03-2016
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	Not reported
Eval Division:	Kern County Env Health Services Department
Eval Program:	HMRRP
Eval Source:	CERS
Eval General Type:	Other/Unknown
Eval Date:	02-03-2016
Violations Found:	No
Eval Type:	Other, not routine, done by local agency
Eval Notes:	Not reported
Eval Division:	Kern County Env Health Services Department
Eval Program:	CalARP
Eval Source:	CERS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	02-03-2016
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	Not reported
Eval Division:	Kern County Env Health Services Department
Eval Program:	HW
Eval Source:	CERS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	04-30-2018
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	Not reported
Eval Division:	Kern County Env Health Services Department
Eval Program:	CalARP
Eval Source:	CERS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	01-21-2014
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	Continue to develop and maintain the CalARP program at the facility. Document the completion of the prevention program requirements.
Eval Division:	Kern County Env Health Services Department
Eval Program:	CalARP
Eval Source:	CERS
Eval General Type:	Compliance Evaluation Inspection

VARSITY PRODUCE (Continued) **S121776755**

Eval Date:	04-30-2018
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	Not reported
Eval Division:	Kern County Env Health Services Department
Eval Program:	HMRRP
Eval Source:	CERS

Eval General Type:	Compliance Evaluation Inspection
Eval Date:	04-30-2018
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	Not reported
Eval Division:	Kern County Env Health Services Department
Eval Program:	HW
Eval Source:	CERS

Eval General Type:	Compliance Evaluation Inspection
Eval Date:	05-11-2015
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	Varsity
Eval Division:	Kern County Env Health Services Department
Eval Program:	HMRRP
Eval Source:	CERS

Eval General Type:	Other/Unknown
Eval Date:	10-28-2013
Violations Found:	No
Eval Type:	Other, not routine, done by local agency
Eval Notes:	Not reported
Eval Division:	Kern County Env Health Services Department
Eval Program:	CalARP
Eval Source:	CERS

Enforcement Action:

Site ID:	405359
Site Name:	VARSITY PRODUCE
Site Address:	1425 W METTLER FRONTAGE RD
Site City:	BAKERSFIELD
Site Zip:	93313
Enf Action Date:	01-21-2014
Enf Action Type:	Notice of Violation (Unified Program)
Enf Action Description:	Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes:	Not reported
Enf Action Division:	Kern County Env Health Services Department
Enf Action Program:	CalARP
Enf Action Source:	CERS

Site ID:	405359
Site Name:	VARSITY PRODUCE
Site Address:	1425 W METTLER FRONTAGE RD
Site City:	BAKERSFIELD
Site Zip:	93313
Enf Action Date:	01-21-2014
Enf Action Type:	Notice of Violation (Unified Program)
Enf Action Description:	Notice of Violation Issued by the Inspector at the Time of Inspection

VARSITY PRODUCE (Continued) **S121776755**

Enf Action Notes:	Not reported
Enf Action Division:	Kern County Env Health Services Department
Enf Action Program:	HMRRP
Enf Action Source:	CERS

Site ID:	405359
Site Name:	VARSITY PRODUCE
Site Address:	1425 W METTLER FRONTAGE RD
Site City:	BAKERSFIELD
Site Zip:	93313
Enf Action Date:	01-21-2014
Enf Action Type:	Notice of Violation (Unified Program)
Enf Action Description:	Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes:	Not reported
Enf Action Division:	Kern County Env Health Services Department
Enf Action Program:	HW
Enf Action Source:	CERS

Site ID:	405359
Site Name:	VARSITY PRODUCE
Site Address:	1425 W METTLER FRONTAGE RD
Site City:	BAKERSFIELD
Site Zip:	93313
Enf Action Date:	05-11-2015
Enf Action Type:	Notice of Violation (Unified Program)
Enf Action Description:	Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes:	Not reported
Enf Action Division:	Kern County Env Health Services Department
Enf Action Program:	HMRRP
Enf Action Source:	CERS

Affiliation:

Affiliation Type Desc:	CUPA District
Entity Name:	Kern County Environmental Health Services Departme
Entity Title:	Not reported
Affiliation Address:	2700 M Street, Suite 300
Affiliation City:	Bakersfield
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	93301-2370
Affiliation Phone:	(661) 862-8740

Affiliation Type Desc:	Environmental Contact
Entity Name:	BRENT RHODES
Entity Title:	Not reported
Affiliation Address:	2017 BRUNDAGE LANE
Affiliation City:	BAKERSFIELD
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	93304
Affiliation Phone:	(661) 858-1061

Affiliation Type Desc:	Document Preparer
Entity Name:	BRENT RHODES
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported

VARSITY PRODUCE (Continued) **S121776755**

Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported

Affiliation Type Desc:	Facility Mailing Address
Entity Name:	Mailing Address
Entity Title:	Not reported
Affiliation Address:	2017 BRUNDAGE LANE
Affiliation City:	BAKERSFIELD
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	93304
Affiliation Phone:	Not reported

Affiliation Type Desc:	Property Owner
Entity Name:	RICHARD RHODES
Entity Title:	Not reported
Affiliation Address:	2017 BRUNDAGE LN
Affiliation City:	BAKERSFIELD
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	93304
Affiliation Phone:	(661) 322-2244

Affiliation Type Desc:	Identification Signer
Entity Name:	BRENT RHODES
Entity Title:	OPERATIONS MANAGER
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported

Affiliation Type Desc:	Legal Owner
Entity Name:	RICK RHODES
Entity Title:	Not reported
Affiliation Address:	2017 BRUNDAGE LANE
Affiliation City:	BAKERSFIELD
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	93304
Affiliation Phone:	(661) 322-2244

Affiliation Type Desc:	Operator
Entity Name:	RICK RHODES
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	(661) 322-2244

Affiliation Type Desc:	Parent Corporation
Entity Name:	VARSITY PRODUCE

VARSITY PRODUCE (Continued) **S121776755**

Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported

15
ESE
1/8-1/4
0.220 mi.
1162 ft.

DESERT BLOCK COMPANY INC **AST** **A100339674**
526 E METTLER FRONTAGE **N/A**
BAKERSFIELD, CA

Relative:
Higher

Actual:
511 ft.

AST:

Certified Unified Program Agencies:	Kern
Owner:	DESERT BLOCK COMPANY INC
Total Gallons:	2,590
CERSID:	Not reported
Facility ID:	Not reported
Business Name:	Not reported
Phone:	Not reported
Fax:	Not reported
Mailing Address:	Not reported
Mailing Address City:	Not reported
Mailing Address State:	Not reported
Mailing Address Zip Code:	Not reported
Operator Name:	Not reported
Operator Phone:	Not reported
Owner Phone:	Not reported
Owner Mail Address:	Not reported
Owner State:	Not reported
Owner Zip Code:	Not reported
Owner Country:	Not reported
Property Owner Name:	Not reported
Property Owner Phone:	Not reported
Property Owner Mailing Address:	Not reported
Property Owner City:	Not reported
Property Owner Stat :	Not reported
Property Owner Zip Code:	Not reported
Property Owner Country:	Not reported
EPAID:	Not reported

16
NNE
1/8-1/4
0.229 mi.
1210 ft.

WADKINS SERV STA MINI MART **UST** **U003949223**
1061 W METTLER FRONTAGE RD **N/A**
METTLER, CA 93302

Relative:
Lower

Actual:
479 ft.

UST:

Facility ID:	FA0001517
Permitting Agency:	KERN COUNTY
Latitude:	35.43689
Longitude:	-119.06886

17 SE 1/4-1/2 0.325 mi. 1718 ft.

KEN'S CHEVRON
1841 METTLER FRONTAGE RD W
METTLER, CA 93302

LUST **S105024948**
HIST CORTESE **N/A**

Relative: Higher

Actual: 544 ft.

LUST:

Lead Agency:	KERN COUNTY
Case Type:	LUST Cleanup Site
Geo Track:	http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0602900752
Global Id:	T0602900752
Latitude:	35.062698
Longitude:	-118.970263
Status:	Completed - Case Closed
Status Date:	05/03/2007
Case Worker:	LAU
RB Case Number:	5T15000797
Local Agency:	KERN COUNTY
File Location:	Local Agency
Local Case Number:	330090
Potential Media Affect:	Soil
Potential Contaminants of Concern:	Gasoline, Diesel
Site History:	Not reported

LUST:

Global Id:	T0602900752
Contact Type:	Regional Board Caseworker
Contact Name:	JOHN WHITING
Organization Name:	CENTRAL VALLEY RWQCB (REGION 5F)
Address:	1685 E STREET
City:	FRESNO
Email:	john.whiting@waterboards.ca.gov
Phone Number:	Not reported

Global Id:	T0602900752
Contact Type:	Local Agency Caseworker
Contact Name:	LAUREL FUNK
Organization Name:	KERN COUNTY
Address:	2700 M STREET, SUITE 300
City:	BAKERSFIELD
Email:	laurelf@co.kern.ca.us
Phone Number:	6618628763

LUST:

Global Id:	T0602900752
Action Type:	Other
Date:	03/01/1999
Action:	Leak Reported

Global Id:	T0602900752
Action Type:	REMEDIATION
Date:	03/02/1999
Action:	Excavation

Global Id:	T0602900752
Action Type:	Other
Date:	03/01/1999
Action:	Leak Discovery

KEN'S CHEVRON (Continued) **S105024948**

Global Id: T0602900752
Action Type: Other
Date: 02/26/1999
Action: Leak Stopped

LUST:
Global Id: T0602900752
Status: Completed - Case Closed
Status Date: 05/03/2007

Global Id: T0602900752
Status: Open - Case Begin Date
Status Date: 02/26/1999

Global Id: T0602900752
Status: Open - Remediation
Status Date: 03/07/1999

Global Id: T0602900752
Status: Open - Remediation
Status Date: 03/08/1999

Global Id: T0602900752
Status: Open - Site Assessment
Status Date: 03/01/1999

Global Id: T0602900752
Status: Open - Verification Monitoring
Status Date: 02/13/2003

LUST REG 5:
Region: 5
Status: Case Closed
Case Number: 5T15000797
Case Type: Soil only
Substance: Not reported
Staff Initials: JDW
Lead Agency: Local
Program: LUST
MTBE Code: N/A

HIST CORTESE:
Region: CORTESE
Facility County Code: 15
Reg By: LTNKA
Reg Id: 5T15000797

C18 SE 1/4-1/2 0.375 mi. 1982 ft. | **RENEGADE SERVICE CENTER**
30025 FRONTAGE RD
BAKERSFIELD, CA 93301 | **LUST CERS** | **S102444905 N/A**

Site 1 of 3 in cluster C

Relative: Higher

Actual: 551 ft.

LUST:

Lead Agency:	KERN COUNTY
Case Type:	LUST Cleanup Site
Geo Track:	http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0602900391
Global Id:	T0602900391
Latitude:	35.0609284166868
Longitude:	-118.969404957306
Status:	Completed - Case Closed
Status Date:	11/01/1990
Case Worker:	LVS
RB Case Number:	5T15000399
Local Agency:	KERN COUNTY
File Location:	Not reported
Local Case Number:	330062
Potential Media Affect:	Soil
Potential Contaminants of Concern:	Gasoline
Site History:	Not reported

LUST:

Global Id:	T0602900391
Contact Type:	Regional Board Caseworker
Contact Name:	JOHN WHITING
Organization Name:	CENTRAL VALLEY RWQCB (REGION 5F)
Address:	1685 E STREET
City:	FRESNO
Email:	john.whiting@waterboards.ca.gov
Phone Number:	Not reported

Global Id:	T0602900391
Contact Type:	Local Agency Caseworker
Contact Name:	LYDIA VON SYDOW
Organization Name:	KERN COUNTY
Address:	2700 M STREET, SUITE 300
City:	BAKERSFIELD
Email:	lydiav@co.kern.ca.us
Phone Number:	6618628748

LUST:

Global Id:	T0602900391
Action Type:	Other
Date:	11/05/1990
Action:	Leak Reported

Global Id:	T0602900391
Action Type:	Other
Date:	04/11/1989
Action:	Leak Discovery

Global Id:	T0602900391
Action Type:	Other
Date:	04/11/1989
Action:	Leak Stopped

RENEGADE SERVICE CENTER (Continued) **S102444905**

LUST:

Global Id:	T0602900391
Status:	Completed - Case Closed
Status Date:	11/01/1990
Global Id:	T0602900391
Status:	Open - Case Begin Date
Status Date:	04/11/1989

LUST REG 5:

Region:	5
Status:	Case Closed
Case Number:	5T15000399
Case Type:	Soil only
Substance:	GASOLINE
Staff Initials:	JDW
Lead Agency:	Local
Program:	LUST
MTBE Code:	N/A

CERS TANKS:

Site ID:	255097
CERS ID:	T0602900391
CERS Description:	Leaking Underground Storage Tank Cleanup Site

Affiliation:

Affiliation Type Desc:	Local Agency Caseworker
Entity Name:	LYDIA VON SYDOW - KERN COUNTY
Entity Title:	Not reported
Affiliation Address:	2700 M STREET, SUITE 300
Affiliation City:	BAKERSFIELD
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	6618628748
Affiliation Type Desc:	Regional Board Caseworker
Entity Name:	JOHN WHITING - CENTRAL VALLEY RWQCB (REGION 5F)
Entity Title:	Not reported
Affiliation Address:	1685 E STREET
Affiliation City:	FRESNO
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported

C19 SE 1/4-1/2 0.403 mi. 2130 ft. | **FLYERS #223**
2023 METTLER FRONTAGE ROAD WEST
BAKERSFIELD, CA 93313
Site 2 of 3 in cluster C | **LUST CHMIRS HAZNET CERS** | **S116282757 N/A**

Relative: Higher
Actual: 554 ft.

LUST:

Lead Agency:	CENTRAL VALLEY RWQCB (REGION 5F)
Case Type:	LUST Cleanup Site
Geo Track:	http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T10000005648
Global Id:	T10000005648
Latitude:	35.0603645957463
Longitude:	-118.969413388886
Status:	Completed - Case Closed
Status Date:	10/13/2015
Case Worker:	JDW
RB Case Number:	5T15000930
Local Agency:	Not reported
File Location:	Regional Board
Local Case Number:	Not reported
Potential Media Affect:	Soil
Potential Contaminants of Concern:	Benzene, Diesel, Ethylbenzene, Naphthalene, Toluene, Xylene
Site History:	Not reported

LUST:

Global Id:	T10000005648
Contact Type:	Regional Board Caseworker
Contact Name:	JOHN WHITING
Organization Name:	CENTRAL VALLEY RWQCB (REGION 5F)
Address:	1685 E STREET
City:	FRESNO
Email:	john.whiting@waterboards.ca.gov
Phone Number:	Not reported

LUST:

Global Id:	T10000005648
Action Type:	RESPONSE
Date:	07/18/2014
Action:	Preliminary Site Assessment Workplan - Regulator Responded
Global Id:	T10000005648
Action Type:	RESPONSE
Date:	01/16/2015
Action:	Site Assessment Report - Regulator Responded
Global Id:	T10000005648
Action Type:	RESPONSE
Date:	07/24/2015
Action:	Other Report / Document - Regulator Responded
Global Id:	T10000005648
Action Type:	RESPONSE
Date:	04/22/2015
Action:	Request for Closure - Regulator Responded
Global Id:	T10000005648
Action Type:	RESPONSE
Date:	04/18/2014
Action:	Site Assessment Report - Regulator Responded

FLYERS #223 (Continued) **S116282757**

Global Id: T10000005648
Action Type: ENFORCEMENT
Date: 10/13/2015
Action: Closure/No Further Action Letter

Global Id: T10000005648
Action Type: Other
Date: 01/29/2014
Action: Leak Reported

Global Id: T10000005648
Action Type: ENFORCEMENT
Date: 02/11/2014
Action: Referral to Regional Board

Global Id: T10000005648
Action Type: ENFORCEMENT
Date: 11/25/2014
Action: Staff Letter

Global Id: T10000005648
Action Type: ENFORCEMENT
Date: 08/10/2015
Action: Notification - Preclosure

Global Id: T10000005648
Action Type: ENFORCEMENT
Date: 04/08/2014
Action: Staff Letter

Global Id: T10000005648
Action Type: RESPONSE
Date: 08/01/2014
Action: Correspondence

Global Id: T10000005648
Action Type: REMEDIATION
Date: 08/06/2015
Action: Monitored Natural Attenuation

Global Id: T10000005648
Action Type: ENFORCEMENT
Date: 05/06/2015
Action: Staff Letter

Global Id: T10000005648
Action Type: ENFORCEMENT
Date: 08/01/2014
Action: Staff Letter

Global Id: T10000005648
Action Type: ENFORCEMENT
Date: 08/11/2014
Action: Staff Letter

Global Id: T10000005648
Action Type: ENFORCEMENT

FLYERS #223 (Continued) **S116282757**

Date: 06/30/2014
Action: Staff Letter

Global Id: T10000005648
Action Type: Other
Date: 01/10/2014
Action: Leak Discovery

LUST:
Global Id: T10000005648
Status: Completed - Case Closed
Status Date: 10/13/2015

Global Id: T10000005648
Status: Open - Assessment & Interim Remedial Action
Status Date: 02/11/2014

Global Id: T10000005648
Status: Open - Case Begin Date
Status Date: 01/10/2014

Global Id: T10000005648
Status: Open - Eligible for Closure
Status Date: 10/09/2015

Global Id: T10000005648
Status: Open - Remediation
Status Date: 06/11/2015

CHMIRS:
OES Incident Number: 18-2214
OES notification: 04/04/2018
OES Date: Not reported
OES Time: Not reported
Date Completed: Not reported
Property Use: Not reported
Agency Id Number: Not reported
Agency Incident Number: Not reported
Time Notified: Not reported
Time Completed: Not reported
Surrounding Area: Not reported
Estimated Temperature: Not reported
Property Management: Not reported
More Than Two Substances Involved?: Not reported
Resp Agncy Personel # Of Decontaminated: Not reported
Responding Agency Personel # Of Injuries: Not reported
Responding Agency Personel # Of Fatalities: Not reported
Others Number Of Decontaminated: Not reported
Others Number Of Injuries: Not reported
Others Number Of Fatalities: Not reported
Vehicle Make/year: Not reported
Vehicle License Number: Not reported
Vehicle State: Not reported
Vehicle Id Number: Not reported
CA DOT PUC/ICC Number: Not reported

FLYERS #223 (Continued) **S116282757**

Company Name:	Not reported
Reporting Officer Name/ID:	Not reported
Report Date:	Not reported
Facility Telephone:	Not reported
Waterway Involved:	No
Waterway:	Not reported
Spill Site:	Road
Cleanup By:	Contractor
Containment:	Not reported
What Happened:	Not reported
Type:	Not reported
Measure:	Not reported
Other:	Not reported
Type:	PETROLEUM
Measure:	Gal(s)
Other:	Not reported
Date/Time:	2000
Year:	2018
Agency:	PG&E
Incident Date:	04/04/2018
Admin Agency:	Bakersfield Fire Department
Amount:	Not reported
Contained:	Yes
Site Type:	Not reported
E Date:	Not reported
Substance:	Non-PCB Transformer Oil
Quantity Released:	50
Unknown:	Not reported
Substance #2:	Not reported
Substance #3:	Not reported
Evacuations:	Not reported
Number of Injuries:	Not reported
Number of Fatalities:	Not reported
#1 Pipeline:	No
#2 Pipeline:	No
#3 Pipeline:	No
#1 Vessel >= 300 Tons:	No
#2 Vessel >= 300 Tons:	No
#3 Vessel >= 300 Tons:	No
Evacs:	No
Injuries:	No
Fatals:	No
Comments:	Not reported
Description:	RP states, A semi truck collided with a pole, which damaged an overhead transformer, causing the release of 50 gallons of non-pcb transformer oil. The release has been stopped. No waterways or storm drains were impacted. A contractor will conduct cleanup of the release.

HAZNET:

Facility Name:	TESORO REFINING & MARKETING COMPANY LLC SITE 58371
envid:	S116282757
Year:	2017
GEPAID:	CAL000429431
Contact:	TIM LITTLEWOOD
Telephone:	5058932973

FLYERS #223 (Continued) **S116282757**

Mailing Name: Not reported
Mailing Address: 7324 4TH ST NW
Mailing City,St,Zip: LOS RANCHOS, NM 87107
Gen County: Kern
TSD EPA ID: CAT080013352
TSD County: Los Angeles
Waste Category: Aqueous solution with total organic residues less than 10 percent
Disposal Method: Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Tons: 0.231
Cat Decode: Aqueous solution with total organic residues less than 10 percent
Method Decode: Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Facility County: Kern

CERS TANKS:
Site ID: 30699
CERS ID: T10000005648
CERS Description: Leaking Underground Storage Tank Cleanup Site

Affiliation:
Affiliation Type Desc: Regional Board Caseworker
Entity Name: JOHN WHITING - CENTRAL VALLEY RWQCB (REGION 5F)
Entity Title: Not reported
Affiliation Address: 1685 E STREET
Affiliation City: FRESNO
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: Not reported

C20 **TEXACO AUTO-TRUCK STOP** **HIST CORTESE** **S105024949**
SE **2023 METTLER FRONTAGE** **N/A**
1/4-1/2 **METTLER, CA 93313**
0.403 mi.
2130 ft. **Site 3 of 3 in cluster C**

Relative:
Higher

Actual:
554 ft.

HIST CORTESE:
Region: CORTESE
Facility County Code: 15
Reg By: LTNKA
Reg Id: 5T15000741

Count: 3 records.

ORPHAN SUMMARY

City	EDR ID	Site Name	Site Address	Zip	Database(s)
METTLER	A100325078	SUNVIEW VINEYARDS - METTLER	E OF SABODAN RD I5 AND 99	93313	AST
METTLER	1023315996	SUNVIEW VINEYARDS - METTLER	E OF SABODAN RD I5 AND 99	93313	FINDS
METTLER	1023322658	SUBURBAN PROPANE - METTLER STORAGE	VALPREDO RD	93313	FINDS

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: 03/11/2019
Date Data Arrived at EDR: 03/14/2019
Date Made Active in Reports: 04/01/2019
Number of Days to Update: 18

Source: EPA
Telephone: N/A
Last EDR Contact: 03/14/2019
Next Scheduled EDR Contact: 04/15/2019
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: 03/11/2019
Date Data Arrived at EDR: 03/14/2019
Date Made Active in Reports: 04/01/2019
Number of Days to Update: 18

Source: EPA
Telephone: N/A
Last EDR Contact: 03/14/2019
Next Scheduled EDR Contact: 04/15/2019
Data Release Frequency: Quarterly

NPL LIENS: Federal Superfund Liens

Federal Superfund Liens. Under the authority granted the USEPA by CERCLA of 1980, the USEPA has the authority to file liens against real property in order to recover remedial action expenditures or when the property owner received notification of potential liability. USEPA compiles a listing of filed notices of Superfund Liens.

Date of Government Version: 10/15/1991
Date Data Arrived at EDR: 02/02/1994
Date Made Active in Reports: 03/30/1994
Number of Days to Update: 56

Source: EPA
Telephone: 202-564-4267
Last EDR Contact: 08/15/2011
Next Scheduled EDR Contact: 11/28/2011
Data Release Frequency: No Update Planned

Federal Delisted NPL site list

Delisted NPL: National Priority List Deletions

The National Oil and Hazardous Substances Pollution Contingency Plan (NCP) establishes the criteria that the EPA uses to delete sites from the NPL. In accordance with 40 CFR 300.425.(e), sites may be deleted from the NPL where no further response is appropriate.

Date of Government Version: 03/11/2019
Date Data Arrived at EDR: 03/14/2019
Date Made Active in Reports: 04/01/2019
Number of Days to Update: 18

Source: EPA
Telephone: N/A
Last EDR Contact: 03/14/2019
Next Scheduled EDR Contact: 04/15/2019
Data Release Frequency: Quarterly

Federal CERCLIS list

FEDERAL FACILITY: Federal Facility Site Information listing

A listing of National Priority List (NPL) and Base Realignment and Closure (BRAC) sites found in the Comprehensive Environmental Response, Compensation and Liability Information System (CERCLIS) Database where EPA Federal Facilities Restoration and Reuse Office is involved in cleanup activities.

Date of Government Version: 11/07/2016
Date Data Arrived at EDR: 01/05/2017
Date Made Active in Reports: 04/07/2017
Number of Days to Update: 92

Source: Environmental Protection Agency
Telephone: 703-603-8704
Last EDR Contact: 01/04/2019
Next Scheduled EDR Contact: 04/15/2019
Data Release Frequency: Varies

SEMS: Superfund Enterprise Management System

SEMS (Superfund Enterprise Management System) tracks hazardous waste sites, potentially hazardous waste sites, and remedial activities performed in support of EPA's Superfund Program across the United States. The list was formerly know as CERCLIS, renamed to SEMS by the EPA in 2015. The list contains data on potentially hazardous waste sites that have been reported to the USEPA by states, municipalities, private companies and private persons, pursuant to Section 103 of the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA). This dataset also contains sites which are either proposed to or on the National Priorities List (NPL) and the sites which are in the screening and assessment phase for possible inclusion on the NPL.

Date of Government Version: 02/06/2019
Date Data Arrived at EDR: 02/15/2019
Date Made Active in Reports: 03/15/2019
Number of Days to Update: 28

Source: EPA
Telephone: 800-424-9346
Last EDR Contact: 03/14/2019
Next Scheduled EDR Contact: 04/29/2019
Data Release Frequency: Quarterly

Federal CERCLIS NFRAP site list

SEMS-ARCHIVE: Superfund Enterprise Management System Archive

SEMS-ARCHIVE (Superfund Enterprise Management System Archive) tracks sites that have no further interest under the Federal Superfund Program based on available information. The list was formerly known as the CERCLIS-NFRAP, renamed to SEMS ARCHIVE by the EPA in 2015. EPA may perform a minimal level of assessment work at a site while it is archived if site conditions change and/or new information becomes available. Archived sites have been removed and archived from the inventory of SEMS sites. Archived status indicates that, to the best of EPA's knowledge, assessment at a site has been completed and that EPA has determined no further steps will be taken to list the site on the National Priorities List (NPL), unless information indicates this decision was not appropriate or other considerations require a recommendation for listing at a later time. The decision does not necessarily mean that there is no hazard associated with a given site; it only means that. based upon available information, the location is not judged to be potential NPL site.

Date of Government Version: 02/06/2019
Date Data Arrived at EDR: 02/15/2019
Date Made Active in Reports: 03/15/2019
Number of Days to Update: 28

Source: EPA
Telephone: 800-424-9346
Last EDR Contact: 03/14/2019
Next Scheduled EDR Contact: 04/29/2019
Data Release Frequency: Quarterly

Federal RCRA CORRACTS facilities list

CORRACTS: Corrective Action Report

CORRACTS identifies hazardous waste handlers with RCRA corrective action activity.

Date of Government Version: 03/01/2018
Date Data Arrived at EDR: 03/28/2018
Date Made Active in Reports: 06/22/2018
Number of Days to Update: 86

Source: EPA
Telephone: 800-424-9346
Last EDR Contact: 03/27/2019
Next Scheduled EDR Contact: 07/08/2019
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: 03/01/2018
Date Data Arrived at EDR: 03/28/2018
Date Made Active in Reports: 06/22/2018
Number of Days to Update: 86

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 03/27/2019
Next Scheduled EDR Contact: 07/08/2019
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: 03/01/2018
Date Data Arrived at EDR: 03/28/2018
Date Made Active in Reports: 06/22/2018
Number of Days to Update: 86

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 03/27/2019
Next Scheduled EDR Contact: 07/08/2019
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: 03/01/2018
Date Data Arrived at EDR: 03/28/2018
Date Made Active in Reports: 06/22/2018
Number of Days to Update: 86

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 03/27/2019
Next Scheduled EDR Contact: 07/08/2019
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: 03/01/2018
Date Data Arrived at EDR: 03/28/2018
Date Made Active in Reports: 06/22/2018
Number of Days to Update: 86

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 03/27/2019
Next Scheduled EDR Contact: 07/08/2019
Data Release Frequency: Quarterly

Federal institutional controls / engineering controls registries

LUCIS: Land Use Control Information System

LUCIS contains records of land use control information pertaining to the former Navy Base Realignment and Closure properties.

Date of Government Version: 10/17/2018
Date Data Arrived at EDR: 10/25/2018
Date Made Active in Reports: 12/07/2018
Number of Days to Update: 43

Source: Department of the Navy
Telephone: 843-820-7326
Last EDR Contact: 02/07/2019
Next Scheduled EDR Contact: 05/27/2019
Data Release Frequency: Varies

US ENG CONTROLS: Engineering Controls Sites List

A listing of sites with engineering controls in place. Engineering controls include various forms of caps, building foundations, liners, and treatment methods to create pathway elimination for regulated substances to enter environmental media or effect human health.

Date of Government Version: 01/31/2019
Date Data Arrived at EDR: 02/04/2019
Date Made Active in Reports: 03/08/2019
Number of Days to Update: 32

Source: Environmental Protection Agency
Telephone: 703-603-0695
Last EDR Contact: 02/04/2019
Next Scheduled EDR Contact: 06/10/2019
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: 01/31/2019
Date Data Arrived at EDR: 02/04/2019
Date Made Active in Reports: 03/08/2019
Number of Days to Update: 32

Source: Environmental Protection Agency
Telephone: 703-603-0695
Last EDR Contact: 02/04/2019
Next Scheduled EDR Contact: 06/10/2019
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: 02/04/2019
Date Data Arrived at EDR: 02/08/2019
Date Made Active in Reports: 03/08/2019
Number of Days to Update: 28

Source: National Response Center, United States Coast Guard
Telephone: 202-267-2180
Last EDR Contact: 03/26/2019
Next Scheduled EDR Contact: 07/08/2019
Data Release Frequency: Quarterly

State- and tribal - equivalent NPL

RESPONSE: State Response Sites

Identifies confirmed release sites where DTSC is involved in remediation, either in a lead or oversight capacity. These confirmed release sites are generally high-priority and high potential risk.

Date of Government Version: 01/28/2019
Date Data Arrived at EDR: 01/29/2019
Date Made Active in Reports: 03/05/2019
Number of Days to Update: 35

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 01/29/2019
Next Scheduled EDR Contact: 05/11/2019
Data Release Frequency: Quarterly

State- and tribal - equivalent CERCLIS

ENVIROSTOR: EnviroStor Database

The Department of Toxic Substances Control's (DTSC's) Site Mitigation and Brownfields Reuse Program's (SMBRP's) EnviroStor database identifes sites that have known contamination or sites for which there may be reasons to investigate further. The database includes the following site types: Federal Superfund sites (National Priorities List (NPL)); State Response, including Military Facilities and State Superfund; Voluntary Cleanup; and School sites. EnviroStor provides similar information to the information that was available in CalSites, and provides additional site information, including, but not limited to, identification of formerly-contaminated properties that have been released for reuse, properties where environmental deed restrictions have been recorded to prevent inappropriate land uses, and risk characterization information that is used to assess potential impacts to public health and the environment at contaminated sites.

Date of Government Version: 01/28/2019
Date Data Arrived at EDR: 01/29/2019
Date Made Active in Reports: 03/05/2019
Number of Days to Update: 35

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 01/29/2019
Next Scheduled EDR Contact: 05/11/2019
Data Release Frequency: Quarterly

State and tribal landfill and/or solid waste disposal site lists

SWF/LF (SWIS): Solid Waste Information System

Active, Closed and Inactive Landfills. SWF/LF records typically contain an inve ntory of solid waste disposal facilities or landfills. These may be active or i nactive facilities or open dumps that failed to meet RCRA Section 4004 criteria for solid waste landfills or disposal sites.

Date of Government Version: 02/11/2019
Date Data Arrived at EDR: 02/12/2019
Date Made Active in Reports: 03/05/2019
Number of Days to Update: 21

Source: Department of Resources Recycling and Recovery
Telephone: 916-341-6320
Last EDR Contact: 02/12/2019
Next Scheduled EDR Contact: 05/27/2019
Data Release Frequency: Quarterly

State and tribal leaking storage tank lists

LUST REG 1: Active Toxic Site Investigation
Del Norte, Humboldt, Lake, Mendocino, Modoc, Siskiyou, Sonoma, Trinity counties. For more current information, please refer to the State Water Resources Control Board's LUST database.

Date of Government Version: 02/01/2001
Date Data Arrived at EDR: 02/28/2001
Date Made Active in Reports: 03/29/2001
Number of Days to Update: 29

Source: California Regional Water Quality Control Board North Coast (1)
Telephone: 707-570-3769
Last EDR Contact: 08/01/2011
Next Scheduled EDR Contact: 11/14/2011
Data Release Frequency: No Update Planned

LUST REG 7: Leaking Underground Storage Tank Case Listing
Leaking Underground Storage Tank locations. Imperial, Riverside, San Diego, Santa Barbara counties.

Date of Government Version: 02/26/2004
Date Data Arrived at EDR: 02/26/2004
Date Made Active in Reports: 03/24/2004
Number of Days to Update: 27

Source: California Regional Water Quality Control Board Colorado River Basin Region (7)
Telephone: 760-776-8943
Last EDR Contact: 08/01/2011
Next Scheduled EDR Contact: 11/14/2011
Data Release Frequency: No Update Planned

LUST REG 8: Leaking Underground Storage Tanks
California Regional Water Quality Control Board Santa Ana Region (8). For more current information, please refer to the State Water Resources Control Board's LUST database.

Date of Government Version: 02/14/2005
Date Data Arrived at EDR: 02/15/2005
Date Made Active in Reports: 03/28/2005
Number of Days to Update: 41

Source: California Regional Water Quality Control Board Santa Ana Region (8)
Telephone: 909-782-4496
Last EDR Contact: 08/15/2011
Next Scheduled EDR Contact: 11/28/2011
Data Release Frequency: Varies

LUST REG 6V: Leaking Underground Storage Tank Case Listing
Leaking Underground Storage Tank locations. Inyo, Kern, Los Angeles, Mono, San Bernardino counties.

Date of Government Version: 06/07/2005
Date Data Arrived at EDR: 06/07/2005
Date Made Active in Reports: 06/29/2005
Number of Days to Update: 22

Source: California Regional Water Quality Control Board Victorville Branch Office (6)
Telephone: 760-241-7365
Last EDR Contact: 09/12/2011
Next Scheduled EDR Contact: 12/26/2011
Data Release Frequency: No Update Planned

LUST REG 6L: Leaking Underground Storage Tank Case Listing
For more current information, please refer to the State Water Resources Control Board's LUST database.

Date of Government Version: 09/09/2003
Date Data Arrived at EDR: 09/10/2003
Date Made Active in Reports: 10/07/2003
Number of Days to Update: 27

Source: California Regional Water Quality Control Board Lahontan Region (6)
Telephone: 530-542-5572
Last EDR Contact: 09/12/2011
Next Scheduled EDR Contact: 12/26/2011
Data Release Frequency: No Update Planned

LUST REG 5: Leaking Underground Storage Tank Database
Leaking Underground Storage Tank locations. Alameda, Alpine, Amador, Butte, Colusa, Contra Costa, Calveras, El Dorado, Fresno, Glenn, Kern, Kings, Lake, Lassen, Madera, Mariposa, Merced, Modoc, Napa, Nevada, Placer, Plumas, Sacramento, San Joaquin, Shasta, Solano, Stanislaus, Sutter, Tehama, Tulare, Tuolumne, Yolo, Yuba counties.

Date of Government Version: 07/01/2008
Date Data Arrived at EDR: 07/22/2008
Date Made Active in Reports: 07/31/2008
Number of Days to Update: 9

Source: California Regional Water Quality Control Board Central Valley Region (5)
Telephone: 916-464-4834
Last EDR Contact: 07/01/2011
Next Scheduled EDR Contact: 10/17/2011
Data Release Frequency: No Update Planned

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

Date of Government Version: 12/10/2018
Date Data Arrived at EDR: 12/11/2018
Date Made Active in Reports: 01/15/2019
Number of Days to Update: 35

Source: State Water Resources Control Board
Telephone: see region list
Last EDR Contact: 12/11/2018
Next Scheduled EDR Contact: 03/25/2019
Data Release Frequency: Quarterly

LUST REG 2: Fuel Leak List

Leaking Underground Storage Tank locations. Alameda, Contra Costa, Marin, Napa, San Francisco, San Mateo, Santa Clara, Solano, Sonoma counties.

Date of Government Version: 09/30/2004
Date Data Arrived at EDR: 10/20/2004
Date Made Active in Reports: 11/19/2004
Number of Days to Update: 30

Source: California Regional Water Quality Control Board San Francisco Bay Region (2)
Telephone: 510-622-2433
Last EDR Contact: 09/19/2011
Next Scheduled EDR Contact: 01/02/2012
Data Release Frequency: Quarterly

LUST REG 3: Leaking Underground Storage Tank Database

Leaking Underground Storage Tank locations. Monterey, San Benito, San Luis Obispo, Santa Barbara, Santa Cruz counties.

Date of Government Version: 05/19/2003
Date Data Arrived at EDR: 05/19/2003
Date Made Active in Reports: 06/02/2003
Number of Days to Update: 14

Source: California Regional Water Quality Control Board Central Coast Region (3)
Telephone: 805-542-4786
Last EDR Contact: 07/18/2011
Next Scheduled EDR Contact: 10/31/2011
Data Release Frequency: No Update Planned

LUST REG 4: Underground Storage Tank Leak List

Los Angeles, Ventura counties. For more current information, please refer to the State Water Resources Control Board's LUST database.

Date of Government Version: 09/07/2004
Date Data Arrived at EDR: 09/07/2004
Date Made Active in Reports: 10/12/2004
Number of Days to Update: 35

Source: California Regional Water Quality Control Board Los Angeles Region (4)
Telephone: 213-576-6710
Last EDR Contact: 09/06/2011
Next Scheduled EDR Contact: 12/19/2011
Data Release Frequency: No Update Planned

LUST REG 9: Leaking Underground Storage Tank Report

Orange, Riverside, San Diego counties. For more current information, please refer to the State Water Resources Control Board's LUST database.

Date of Government Version: 03/01/2001
Date Data Arrived at EDR: 04/23/2001
Date Made Active in Reports: 05/21/2001
Number of Days to Update: 28

Source: California Regional Water Quality Control Board San Diego Region (9)
Telephone: 858-637-5595
Last EDR Contact: 09/26/2011
Next Scheduled EDR Contact: 01/09/2012
Data Release Frequency: No Update Planned

INDIAN LUST R10: Leaking Underground Storage Tanks on Indian Land

LUSTs on Indian land in Alaska, Idaho, Oregon and Washington.

Date of Government Version: 04/12/2018
Date Data Arrived at EDR: 05/18/2018
Date Made Active in Reports: 07/20/2018
Number of Days to Update: 63

Source: EPA Region 10
Telephone: 206-553-2857
Last EDR Contact: 03/07/2019
Next Scheduled EDR Contact: 05/06/2019
Data Release Frequency: Varies

INDIAN LUST R9: Leaking Underground Storage Tanks on Indian Land

LUSTs on Indian land in Arizona, California, New Mexico and Nevada

Date of Government Version: 04/10/2018
Date Data Arrived at EDR: 05/18/2018
Date Made Active in Reports: 07/20/2018
Number of Days to Update: 63

Source: Environmental Protection Agency
Telephone: 415-972-3372
Last EDR Contact: 03/07/2019
Next Scheduled EDR Contact: 05/06/2019
Data Release Frequency: Varies

INDIAN LUST R8: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Colorado, Montana, North Dakota, South Dakota, Utah and Wyoming.

Date of Government Version: 04/25/2018
Date Data Arrived at EDR: 05/18/2018
Date Made Active in Reports: 07/20/2018
Number of Days to Update: 63

Source: EPA Region 8
Telephone: 303-312-6271
Last EDR Contact: 03/07/2019
Next Scheduled EDR Contact: 05/06/2019
Data Release Frequency: Varies

INDIAN LUST R7: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Iowa, Kansas, and Nebraska

Date of Government Version: 04/24/2018
Date Data Arrived at EDR: 05/18/2018
Date Made Active in Reports: 07/20/2018
Number of Days to Update: 63

Source: EPA Region 7
Telephone: 913-551-7003
Last EDR Contact: 03/07/2019
Next Scheduled EDR Contact: 05/06/2019
Data Release Frequency: Varies

INDIAN LUST R6: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in New Mexico and Oklahoma.

Date of Government Version: 04/01/2018
Date Data Arrived at EDR: 05/18/2018
Date Made Active in Reports: 07/20/2018
Number of Days to Update: 63

Source: EPA Region 6
Telephone: 214-665-6597
Last EDR Contact: 03/07/2019
Next Scheduled EDR Contact: 05/06/2019
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: 05/08/2018
Date Data Arrived at EDR: 05/18/2018
Date Made Active in Reports: 07/20/2018
Number of Days to Update: 63

Source: EPA Region 4
Telephone: 404-562-8677
Last EDR Contact: 03/05/2019
Next Scheduled EDR Contact: 05/06/2019
Data Release Frequency: Varies

INDIAN LUST R1: Leaking Underground Storage Tanks on Indian Land
A listing of leaking underground storage tank locations on Indian Land.

Date of Government Version: 04/13/2018
Date Data Arrived at EDR: 05/18/2018
Date Made Active in Reports: 07/20/2018
Number of Days to Update: 63

Source: EPA Region 1
Telephone: 617-918-1313
Last EDR Contact: 03/07/2019
Next Scheduled EDR Contact: 05/06/2019
Data Release Frequency: Varies

INDIAN LUST R5: Leaking Underground Storage Tanks on Indian Land
Leaking underground storage tanks located on Indian Land in Michigan, Minnesota and Wisconsin.

Date of Government Version: 04/12/2018
Date Data Arrived at EDR: 05/18/2018
Date Made Active in Reports: 07/20/2018
Number of Days to Update: 63

Source: EPA, Region 5
Telephone: 312-886-7439
Last EDR Contact: 03/07/2019
Next Scheduled EDR Contact: 05/06/2019
Data Release Frequency: Varies

CPS-SLIC: Statewide SLIC Cases (GEOTRACKER)
Cleanup Program Sites (CPS; also known as Site Cleanups [SC] and formerly known as Spills, Leaks, Investigations, and Cleanups [SLIC] sites) included in GeoTracker. GeoTracker is the Water Boards data management system for sites that impact, or have the potential to impact, water quality in California, with emphasis on groundwater.

Date of Government Version: 12/10/2018
Date Data Arrived at EDR: 12/11/2018
Date Made Active in Reports: 01/15/2019
Number of Days to Update: 35

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 12/12/2018
Next Scheduled EDR Contact: 03/25/2019
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.

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.

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

State and tribal registered storage tank lists

FEMA UST: Underground Storage Tank Listing
A listing of all FEMA owned underground storage tanks.

Date of Government Version: 05/15/2017
Date Data Arrived at EDR: 05/30/2017
Date Made Active in Reports: 10/13/2017
Number of Days to Update: 136

Source: FEMA
Telephone: 202-646-5797
Last EDR Contact: 03/25/2019
Next Scheduled EDR Contact: 04/22/2019
Data Release Frequency: Varies

UST CLOSURE: Proposed Closure of Underground Storage Tank (UST) Cases
UST cases that are being considered for closure by either the State Water Resources Control Board or the Executive Director have been posted for a 60-day public comment period. UST Case Closures being proposed for consideration by the State Water Resources Control Board. These are primarily UST cases that meet closure criteria under the decisional framework in State Water Board Resolution No. 92-49 and other Board orders. UST Case Closures proposed for consideration by the Executive Director pursuant to State Water Board Resolution No. 2012-0061. These are cases that meet the criteria of the Low-Threat UST Case Closure Policy. UST Case Closure Review Denials and Approved Orders.

Date of Government Version: 03/11/2019
Date Data Arrived at EDR: 03/13/2019
Date Made Active in Reports: 04/03/2019
Number of Days to Update: 21

Source: State Water Resources Control Board
Telephone: 916-327-7844
Last EDR Contact: 03/13/2019
Next Scheduled EDR Contact: 06/24/2019
Data Release Frequency: Varies

MILITARY UST SITES: Military UST Sites (GEOTRACKER)
Military ust sites

Date of Government Version: 12/10/2018
Date Data Arrived at EDR: 12/11/2018
Date Made Active in Reports: 01/15/2019
Number of Days to Update: 35

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 12/12/2018
Next Scheduled EDR Contact: 03/25/2019
Data Release Frequency: Varies

UST: Active UST Facilities
Active UST facilities gathered from the local regulatory agencies

Date of Government Version: 12/10/2018
Date Data Arrived at EDR: 12/11/2018
Date Made Active in Reports: 01/15/2019
Number of Days to Update: 35

Source: SWRCB
Telephone: 916-341-5851
Last EDR Contact: 12/11/2018
Next Scheduled EDR Contact: 03/25/2019
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: 07/06/2016
Date Data Arrived at EDR: 07/12/2016
Date Made Active in Reports: 09/19/2016
Number of Days to Update: 69

Source: California Environmental Protection Agency
Telephone: 916-327-5092
Last EDR Contact: 03/18/2019
Next Scheduled EDR Contact: 07/01/2019
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: 04/12/2018
Date Data Arrived at EDR: 05/18/2018
Date Made Active in Reports: 07/20/2018
Number of Days to Update: 63

Source: EPA Region 10
Telephone: 206-553-2857
Last EDR Contact: 03/07/2019
Next Scheduled EDR Contact: 05/06/2019
Data Release Frequency: Varies

INDIAN UST R9: Underground Storage Tanks on Indian Land
The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 9 (Arizona, California, Hawaii, Nevada, the Pacific Islands, and Tribal Nations).

Date of Government Version: 04/10/2018
Date Data Arrived at EDR: 05/18/2018
Date Made Active in Reports: 07/20/2018
Number of Days to Update: 63

Source: EPA Region 9
Telephone: 415-972-3368
Last EDR Contact: 03/07/2019
Next Scheduled EDR Contact: 05/06/2019
Data Release Frequency: Varies

INDIAN UST R8: Underground Storage Tanks on Indian Land
The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 8 (Colorado, Montana, North Dakota, South Dakota, Utah, Wyoming and 27 Tribal Nations).

Date of Government Version: 04/25/2018
Date Data Arrived at EDR: 05/18/2018
Date Made Active in Reports: 07/20/2018
Number of Days to Update: 63

Source: EPA Region 8
Telephone: 303-312-6137
Last EDR Contact: 03/07/2019
Next Scheduled EDR Contact: 05/06/2019
Data Release Frequency: Varies

INDIAN UST R7: Underground Storage Tanks on Indian Land
The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 7 (Iowa, Kansas, Missouri, Nebraska, and 9 Tribal Nations).

Date of Government Version: 04/24/2018
Date Data Arrived at EDR: 05/18/2018
Date Made Active in Reports: 07/20/2018
Number of Days to Update: 63

Source: EPA Region 7
Telephone: 913-551-7003
Last EDR Contact: 03/07/2019
Next Scheduled EDR Contact: 05/06/2019
Data Release Frequency: Varies

INDIAN UST R6: Underground Storage Tanks on Indian Land
The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 6 (Louisiana, Arkansas, Oklahoma, New Mexico, Texas and 65 Tribes).

Date of Government Version: 04/01/2018
Date Data Arrived at EDR: 05/18/2018
Date Made Active in Reports: 07/20/2018
Number of Days to Update: 63

Source: EPA Region 6
Telephone: 214-665-7591
Last EDR Contact: 03/07/2019
Next Scheduled EDR Contact: 05/06/2019
Data Release Frequency: Varies

INDIAN UST R1: Underground Storage Tanks on Indian Land
The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 1 (Connecticut, Maine, Massachusetts, New Hampshire, Rhode Island, Vermont and ten Tribal Nations).

Date of Government Version: 04/13/2018
Date Data Arrived at EDR: 05/18/2018
Date Made Active in Reports: 07/20/2018
Number of Days to Update: 63

Source: EPA, Region 1
Telephone: 617-918-1313
Last EDR Contact: 03/07/2019
Next Scheduled EDR Contact: 05/06/2019
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: 05/08/2018
Date Data Arrived at EDR: 05/18/2018
Date Made Active in Reports: 07/20/2018
Number of Days to Update: 63

Source: EPA Region 4
Telephone: 404-562-9424
Last EDR Contact: 03/05/2019
Next Scheduled EDR Contact: 05/06/2019
Data Release Frequency: Varies

INDIAN UST R5: Underground Storage Tanks on Indian Land
The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 5 (Michigan, Minnesota and Wisconsin and Tribal Nations).

Date of Government Version: 04/12/2018
Date Data Arrived at EDR: 05/18/2018
Date Made Active in Reports: 07/20/2018
Number of Days to Update: 63

Source: EPA Region 5
Telephone: 312-886-6136
Last EDR Contact: 03/07/2019
Next Scheduled EDR Contact: 05/06/2019
Data Release Frequency: Varies

State and tribal voluntary cleanup sites

INDIAN VCP R1: Voluntary Cleanup Priority Listing
A listing of voluntary cleanup priority sites located on Indian Land located in Region 1.

Date of Government Version: 07/27/2015
Date Data Arrived at EDR: 09/29/2015
Date Made Active in Reports: 02/18/2016
Number of Days to Update: 142

Source: EPA, Region 1
Telephone: 617-918-1102
Last EDR Contact: 03/25/2019
Next Scheduled EDR Contact: 07/08/2019
Data Release Frequency: Varies

VCP: Voluntary Cleanup Program Properties
Contains low threat level properties with either confirmed or unconfirmed releases and the project proponents have request that DTSC oversee investigation and/or cleanup activities and have agreed to provide coverage for DTSC's costs.

Date of Government Version: 01/28/2019
Date Data Arrived at EDR: 01/29/2019
Date Made Active in Reports: 03/05/2019
Number of Days to Update: 35

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 01/29/2019
Next Scheduled EDR Contact: 05/11/2019
Data Release Frequency: Quarterly

INDIAN VCP R7: Voluntary Cleanup Priority Lisitng
A listing of voluntary cleanup priority sites located on Indian Land located in Region 7.

Date of Government Version: 03/20/2008
Date Data Arrived at EDR: 04/22/2008
Date Made Active in Reports: 05/19/2008
Number of Days to Update: 27

Source: EPA, Region 7
Telephone: 913-551-7365
Last EDR Contact: 04/20/2009
Next Scheduled EDR Contact: 07/20/2009
Data Release Frequency: Varies

State and tribal Brownfields sites

BROWNFIELDS: Considered Brownfieds Sites Listing
A listing of sites the SWRCB considers to be Brownfields since these are sites have come to them through the MOA Process.

Date of Government Version: 12/20/2018
Date Data Arrived at EDR: 12/21/2018
Date Made Active in Reports: 02/28/2019
Number of Days to Update: 69

Source: State Water Resources Control Board
Telephone: 916-323-7905
Last EDR Contact: 03/26/2019
Next Scheduled EDR Contact: 07/08/2019
Data Release Frequency: Quarterly

ADDITIONAL ENVIRONMENTAL RECORDS

Local Brownfield lists

US BROWNFIELDS: A Listing of Brownfields Sites
Brownfields are real property, the expansion, redevelopment, or reuse of which may be complicated by the presence or potential presence of a hazardous substance, pollutant, or contaminant. Cleaning up and reinvesting in these properties takes development pressures off of undeveloped, open land, and both improves and protects the environment. Assessment, Cleanup and Redevelopment Exchange System (ACRES) stores information reported by EPA Brownfields grant recipients on brownfields properties assessed or cleaned up with grant funding as well as information on Targeted Brownfields Assessments performed by EPA Regions. A listing of ACRES Brownfield sites is obtained from Cleanups in My Community. Cleanups in My Community provides information on Brownfields properties for which information is reported back to EPA, as well as areas served by Brownfields grant programs.

Date of Government Version: 12/17/2018
Date Data Arrived at EDR: 12/18/2018
Date Made Active in Reports: 01/11/2019
Number of Days to Update: 24

Source: Environmental Protection Agency
Telephone: 202-566-2777
Last EDR Contact: 03/19/2019
Next Scheduled EDR Contact: 07/01/2019
Data Release Frequency: Semi-Annually

Local Lists of Landfill / Solid Waste Disposal Sites

WMUDS/SWAT: Waste Management Unit Database
Waste Management Unit Database System. WMUDS is used by the State Water Resources Control Board staff and the Regional Water Quality Control Boards for program tracking and inventory of waste management units. WMUDS is composed of the following databases: Facility Information, Scheduled Inspections Information, Waste Management Unit Information, SWAT Program Information, SWAT Report Summary Information, SWAT Report Summary Data, Chapter 15 (formerly Subchapter 15) Information, Chapter 15 Monitoring Parameters, TPCA Program Information, RCRA Program Information, Closure Information, and Interested Parties Information.

Date of Government Version: 04/01/2000
Date Data Arrived at EDR: 04/10/2000
Date Made Active in Reports: 05/10/2000
Number of Days to Update: 30

Source: State Water Resources Control Board
Telephone: 916-227-4448
Last EDR Contact: 01/28/2019
Next Scheduled EDR Contact: 05/11/2019
Data Release Frequency: No Update Planned

SWRCY: Recycler Database
A listing of recycling facilities in California.

Date of Government Version: 12/10/2018
Date Data Arrived at EDR: 12/12/2018
Date Made Active in Reports: 01/15/2019
Number of Days to Update: 34

Source: Department of Conservation
Telephone: 916-323-3836
Last EDR Contact: 03/13/2019
Next Scheduled EDR Contact: 06/24/2019
Data Release Frequency: Quarterly

HAULERS: Registered Waste Tire Haulers Listing
A listing of registered waste tire haulers.

Date of Government Version: 02/09/2019
Date Data Arrived at EDR: 02/12/2019
Date Made Active in Reports: 03/27/2019
Number of Days to Update: 43

Source: Integrated Waste Management Board
Telephone: 916-341-6422
Last EDR Contact: 03/26/2019
Next Scheduled EDR Contact: 05/27/2019
Data Release Frequency: Varies

INDIAN ODI: Report on the Status of Open Dumps on Indian Lands
Location of open dumps on Indian land.

Date of Government Version: 12/31/1998
Date Data Arrived at EDR: 12/03/2007
Date Made Active in Reports: 01/24/2008
Number of Days to Update: 52

Source: Environmental Protection Agency
Telephone: 703-308-8245
Last EDR Contact: 01/29/2019
Next Scheduled EDR Contact: 05/13/2019
Data Release Frequency: Varies

ODI: Open Dump Inventory
An open dump is defined as a disposal facility that does not comply with one or more of the Part 257 or Part 258 Subtitle D Criteria.

Date of Government Version: 06/30/1985
Date Data Arrived at EDR: 08/09/2004
Date Made Active in Reports: 09/17/2004
Number of Days to Update: 39

Source: Environmental Protection Agency
Telephone: 800-424-9346
Last EDR Contact: 06/09/2004
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

DEBRIS REGION 9: Torres Martinez Reservation Illegal Dump Site Locations
A listing of illegal dump sites location on the Torres Martinez Indian Reservation located in eastern Riverside County and northern Imperial County, California.

Date of Government Version: 01/12/2009
Date Data Arrived at EDR: 05/07/2009
Date Made Active in Reports: 09/21/2009
Number of Days to Update: 137

Source: EPA, Region 9
Telephone: 415-947-4219
Last EDR Contact: 01/17/2019
Next Scheduled EDR Contact: 05/06/2019
Data Release Frequency: No Update Planned

IHS OPEN DUMPS: Open Dumps on Indian Land
A listing of all open dumps located on Indian Land in the United States.

Date of Government Version: 04/01/2014
Date Data Arrived at EDR: 08/06/2014
Date Made Active in Reports: 01/29/2015
Number of Days to Update: 176

Source: Department of Health & Human Serivces, Indian Health Service
Telephone: 301-443-1452
Last EDR Contact: 02/01/2019
Next Scheduled EDR Contact: 05/13/2019
Data Release Frequency: Varies

Local Lists of Hazardous waste / Contaminated Sites

US HIST CDL: National Clandestine Laboratory Register

A listing of clandestine drug lab locations that have been removed from the DEAs National Clandestine Laboratory Register.

Date of Government Version: 09/21/2018
Date Data Arrived at EDR: 09/21/2018
Date Made Active in Reports: 11/09/2018
Number of Days to Update: 49

Source: Drug Enforcement Administration
Telephone: 202-307-1000
Last EDR Contact: 02/21/2019
Next Scheduled EDR Contact: 06/10/2019
Data Release Frequency: No Update Planned

HIST CAL-SITES: Calsites Database

The Calsites database contains potential or confirmed hazardous substance release properties. In 1996, California EPA reevaluated and significantly reduced the number of sites in the Calsites database. No longer updated by the state agency. It has been replaced by ENVIROSTOR.

Date of Government Version: 08/08/2005
Date Data Arrived at EDR: 08/03/2006
Date Made Active in Reports: 08/24/2006
Number of Days to Update: 21

Source: Department of Toxic Substance Control
Telephone: 916-323-3400
Last EDR Contact: 02/23/2009
Next Scheduled EDR Contact: 05/25/2009
Data Release Frequency: No Update Planned

SCH: School Property Evaluation Program

This category contains proposed and existing school sites that are being evaluated by DTSC for possible hazardous materials contamination. In some cases, these properties may be listed in the CalSites category depending on the level of threat to public health and safety or the environment they pose.

Date of Government Version: 01/28/2019
Date Data Arrived at EDR: 01/29/2019
Date Made Active in Reports: 03/05/2019
Number of Days to Update: 35

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 01/29/2019
Next Scheduled EDR Contact: 05/11/2019
Data Release Frequency: Quarterly

CDL: Clandestine Drug Labs

A listing of drug lab locations. Listing of a location in this database does not indicate that any illegal drug lab materials were or were not present there, and does not constitute a determination that the location either requires or does not require additional cleanup work.

Date of Government Version: 12/31/2017
Date Data Arrived at EDR: 06/12/2018
Date Made Active in Reports: 08/06/2018
Number of Days to Update: 55

Source: Department of Toxic Substances Control
Telephone: 916-255-6504
Last EDR Contact: 01/25/2019
Next Scheduled EDR Contact: 04/22/2019
Data Release Frequency: Varies

CERS HAZ WASTE: CERS HAZ WASTE

List of sites in the California Environmental Protection Agency (CalEPA) Regulated Site Portal which fall under the Hazardous Chemical Management, Hazardous Waste Onsite Treatment, Household Hazardous Waste Collection, Hazardous Waste Generator, and RCRA LQ HW Generator programs.

Date of Government Version: 10/22/2018
Date Data Arrived at EDR: 10/23/2018
Date Made Active in Reports: 11/30/2018
Number of Days to Update: 38

Source: CalEPA
Telephone: 916-323-2514
Last EDR Contact: 01/24/2019
Next Scheduled EDR Contact: 05/06/2019
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
Date Data Arrived at EDR: 08/30/1995
Date Made Active in Reports: 09/26/1995
Number of Days to Update: 27

Source: State Water Resources Control Board
Telephone: 916-227-4364
Last EDR Contact: 01/26/2009
Next Scheduled EDR Contact: 04/27/2009
Data Release Frequency: No Update Planned

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: 09/21/2018
Date Data Arrived at EDR: 09/21/2018
Date Made Active in Reports: 11/09/2018
Number of Days to Update: 49

Source: Drug Enforcement Administration
Telephone: 202-307-1000
Last EDR Contact: 02/21/2019
Next Scheduled EDR Contact: 06/10/2019
Data Release Frequency: Quarterly

Local Lists of Registered Storage Tanks

SWEEPS UST: SWEEPS UST Listing

Statewide Environmental Evaluation and Planning System. This underground storage tank listing was updated and maintained by a company contacted by the SWRCB in the early 1990's. The listing is no longer updated or maintained. The local agency is the contact for more information on a site on the SWEEPS list.

Date of Government Version: 06/01/1994
Date Data Arrived at EDR: 07/07/2005
Date Made Active in Reports: 08/11/2005
Number of Days to Update: 35

Source: State Water Resources Control Board
Telephone: N/A
Last EDR Contact: 06/03/2005
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

UST MENDOCINO: Mendocino County UST Database

A listing of underground storage tank locations in Mendocino County.

Date of Government Version: 12/04/2018
Date Data Arrived at EDR: 12/06/2018
Date Made Active in Reports: 12/14/2018
Number of Days to Update: 8

Source: Department of Public Health
Telephone: 707-463-4466
Last EDR Contact: 02/21/2019
Next Scheduled EDR Contact: 06/10/2019
Data Release Frequency: Annually

HIST UST: Hazardous Substance Storage Container Database

The Hazardous Substance Storage Container Database is a historical listing of UST sites. Refer to local/county source for current data.

Date of Government Version: 10/15/1990
Date Data Arrived at EDR: 01/25/1991
Date Made Active in Reports: 02/12/1991
Number of Days to Update: 18

Source: State Water Resources Control Board
Telephone: 916-341-5851
Last EDR Contact: 07/26/2001
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

SAN FRANCISCO AST: Aboveground Storage Tank Site Listing

Aboveground storage tank sites

Date of Government Version: 09/11/2018
Date Data Arrived at EDR: 09/12/2018
Date Made Active in Reports: 10/11/2018
Number of Days to Update: 29

Source: San Francisco County Department of Public Health
Telephone: 415-252-3896
Last EDR Contact: 01/31/2019
Next Scheduled EDR Contact: 05/20/2019
Data Release Frequency: Varies

CA FID UST: Facility Inventory Database

The Facility Inventory Database (FID) contains a historical listing of active and inactive underground storage tank locations from the State Water Resource Control Board. Refer to local/county source for current data.

Date of Government Version: 10/31/1994
Date Data Arrived at EDR: 09/05/1995
Date Made Active in Reports: 09/29/1995
Number of Days to Update: 24

Source: California Environmental Protection Agency
Telephone: 916-341-5851
Last EDR Contact: 12/28/1998
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

CERS TANKS: California Environmental Reporting System (CERS) Tanks

List of sites in the California Environmental Protection Agency (CalEPA) Regulated Site Portal which fall under the Aboveground Petroleum Storage and Underground Storage Tank regulatory programs.

Date of Government Version: 10/22/2018
Date Data Arrived at EDR: 10/23/2018
Date Made Active in Reports: 11/30/2018
Number of Days to Update: 38

Source: California Environmental Protection Agency
Telephone: 916-323-2514
Last EDR Contact: 01/24/2019
Next Scheduled EDR Contact: 05/06/2019
Data Release Frequency: Quarterly

Local Land Records

LIENS: Environmental Liens Listing

A listing of property locations with environmental liens for California where DTSC is a lien holder.

Date of Government Version: 02/28/2019
Date Data Arrived at EDR: 03/01/2019
Date Made Active in Reports: 04/02/2019
Number of Days to Update: 32

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 02/27/2019
Next Scheduled EDR Contact: 06/17/2019
Data Release Frequency: Varies

LIENS 2: CERCLA Lien Information

A Federal CERCLA ('Superfund') lien can exist by operation of law at any site or property at which EPA has spent Superfund monies. These monies are spent to investigate and address releases and threatened releases of contamination. CERCLIS provides information as to the identity of these sites and properties.

Date of Government Version: 03/11/2019
Date Data Arrived at EDR: 03/14/2019
Date Made Active in Reports: 03/21/2019
Number of Days to Update: 7

Source: Environmental Protection Agency
Telephone: 202-564-6023
Last EDR Contact: 03/14/2019
Next Scheduled EDR Contact: 05/06/2019
Data Release Frequency: Semi-Annually

DEED: Deed Restriction Listing

Site Mitigation and Brownfields Reuse Program Facility Sites with Deed Restrictions & Hazardous Waste Management Program Facility Sites with Deed / Land Use Restriction. The DTSC Site Mitigation and Brownfields Reuse Program (SMBRP) list includes sites cleaned up under the program's oversight and generally does not include current or former hazardous waste facilities that required a hazardous waste facility permit. The list represents deed restrictions that are active. Some sites have multiple deed restrictions. The DTSC Hazardous Waste Management Program (HWMP) has developed a list of current or former hazardous waste facilities that have a recorded land use restriction at the local county recorder's office. The land use restrictions on this list were required by the DTSC HWMP as a result of the presence of hazardous substances that remain on site after the facility (or part of the facility) has been closed or cleaned up. The types of land use restriction include deed notice, deed restriction, or a land use restriction that binds current and future owners.

Date of Government Version: 03/04/2019
Date Data Arrived at EDR: 03/05/2019
Date Made Active in Reports: 04/01/2019
Number of Days to Update: 27

Source: DTSC and SWRCB
Telephone: 916-323-3400
Last EDR Contact: 03/05/2019
Next Scheduled EDR Contact: 06/17/2019
Data Release Frequency: Semi-Annually

Records of Emergency Release Reports

HMIRS: Hazardous Materials Information Reporting System
Hazardous Materials Incident Report System. HMIRS contains hazardous material spill incidents reported to DOT.

Date of Government Version: 02/08/2019
Date Data Arrived at EDR: 02/08/2019
Date Made Active in Reports: 03/21/2019
Number of Days to Update: 41

Source: U.S. Department of Transportation
Telephone: 202-366-4555
Last EDR Contact: 03/26/2019
Next Scheduled EDR Contact: 07/08/2019
Data Release Frequency: Quarterly

CHMIRS: California Hazardous Material Incident Report System
California Hazardous Material Incident Reporting System. CHMIRS contains information on reported hazardous material incidents (accidental releases or spills).

Date of Government Version: 10/24/2018
Date Data Arrived at EDR: 01/24/2019
Date Made Active in Reports: 03/05/2019
Number of Days to Update: 40

Source: Office of Emergency Services
Telephone: 916-845-8400
Last EDR Contact: 01/24/2019
Next Scheduled EDR Contact: 05/06/2019
Data Release Frequency: Semi-Annually

LDS: Land Disposal Sites Listing (GEOTRACKER)
Land Disposal sites (Landfills) included in GeoTracker. GeoTracker is the Water Boards data management system for sites that impact, or have the potential to impact, water quality in California, with emphasis on groundwater.

Date of Government Version: 12/10/2018
Date Data Arrived at EDR: 12/11/2018
Date Made Active in Reports: 01/15/2019
Number of Days to Update: 35

Source: State Water Qualilty Control Board
Telephone: 866-480-1028
Last EDR Contact: 12/12/2018
Next Scheduled EDR Contact: 03/25/2019
Data Release Frequency: Quarterly

MCS: Military Cleanup Sites Listing (GEOTRACKER)
Military sites (consisting of: Military UST sites; Military Privatized sites; and Military Cleanup sites [formerly known as DoD non UST]) included in GeoTracker. GeoTracker is the Water Boards data management system for sites that impact, or have the potential to impact, water quality in California, with emphasis on groundwater.

Date of Government Version: 12/10/2018
Date Data Arrived at EDR: 12/11/2018
Date Made Active in Reports: 01/15/2019
Number of Days to Update: 35

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 12/12/2018
Next Scheduled EDR Contact: 03/25/2019
Data Release Frequency: Quarterly

SPILLS 90: SPILLS90 data from FirstSearch
Spills 90 includes those spill and release records available exclusively from FirstSearch databases. Typically, they may include chemical, oil and/or hazardous substance spills recorded after 1990. Duplicate records that are already included in EDR incident and release records are not included in Spills 90.

Date of Government Version: 06/06/2012
Date Data Arrived at EDR: 01/03/2013
Date Made Active in Reports: 02/22/2013
Number of Days to Update: 50

Source: FirstSearch
Telephone: N/A
Last EDR Contact: 01/03/2013
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

Other Ascertainable Records

RCRA NonGen / NLR: RCRA - Non Generators / No Longer Regulated
RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Non-Generators do not presently generate hazardous waste.

Date of Government Version: 03/01/2018
Date Data Arrived at EDR: 03/28/2018
Date Made Active in Reports: 06/22/2018
Number of Days to Update: 86

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 03/27/2019
Next Scheduled EDR Contact: 07/08/2019
Data Release Frequency: Quarterly

FUDS: Formerly Used Defense Sites

The listing includes locations of Formerly Used Defense Sites properties where the US Army Corps of Engineers is actively working or will take necessary cleanup actions.

Date of Government Version: 01/31/2015
Date Data Arrived at EDR: 07/08/2015
Date Made Active in Reports: 10/13/2015
Number of Days to Update: 97

Source: U.S. Army Corps of Engineers
Telephone: 202-528-4285
Last EDR Contact: 04/03/2019
Next Scheduled EDR Contact: 06/03/2019
Data Release Frequency: Varies

DOD: Department of Defense Sites

This data set consists of federally owned or administered lands, administered by the Department of Defense, that have any area equal to or greater than 640 acres of the United States, Puerto Rico, and the U.S. Virgin Islands.

Date of Government Version: 12/31/2005
Date Data Arrived at EDR: 11/10/2006
Date Made Active in Reports: 01/11/2007
Number of Days to Update: 62

Source: USGS
Telephone: 888-275-8747
Last EDR Contact: 01/11/2019
Next Scheduled EDR Contact: 04/22/2019
Data Release Frequency: Semi-Annually

FEDLAND: Federal and Indian Lands

Federally and Indian administrated lands of the United States. Lands included are administrated by: Army Corps of Engineers, Bureau of Reclamation, National Wild and Scenic River, National Wildlife Refuge, Public Domain Land, Wilderness, Wilderness Study Area, Wildlife Management Area, Bureau of Indian Affairs, Bureau of Land Management, Department of Justice, Forest Service, Fish and Wildlife Service, National Park Service.

Date of Government Version: 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: 01/11/2019
Next Scheduled EDR Contact: 04/22/2019
Data Release Frequency: N/A

SCRD DRYCLEANERS: State Coalition for Remediation of Drycleaners Listing

The State Coalition for Remediation of Drycleaners was established in 1998, with support from the U.S. EPA Office of Superfund Remediation and Technology Innovation. It is comprised of representatives of states with established drycleaner remediation programs. Currently the member states are Alabama, Connecticut, Florida, Illinois, Kansas, Minnesota, Missouri, North Carolina, Oregon, South Carolina, Tennessee, Texas, and Wisconsin.

Date of Government Version: 01/01/2017
Date Data Arrived at EDR: 02/03/2017
Date Made Active in Reports: 04/07/2017
Number of Days to Update: 63

Source: Environmental Protection Agency
Telephone: 615-532-8599
Last EDR Contact: 02/15/2019
Next Scheduled EDR Contact: 05/27/2019
Data Release Frequency: Varies

US FIN ASSUR: Financial Assurance Information

All owners and operators of facilities that treat, store, or dispose of hazardous waste are required to provide proof that they will have sufficient funds to pay for the clean up, closure, and post-closure care of their facilities.

Date of Government Version: 01/31/2019
Date Data Arrived at EDR: 02/04/2019
Date Made Active in Reports: 03/08/2019
Number of Days to Update: 32

Source: Environmental Protection Agency
Telephone: 202-566-1917
Last EDR Contact: 03/26/2019
Next Scheduled EDR Contact: 07/08/2019
Data Release Frequency: Quarterly

EPA WATCH LIST: EPA WATCH LIST

EPA maintains a "Watch List" to facilitate dialogue between EPA, state and local environmental agencies on enforcement matters relating to facilities with alleged violations identified as either significant or high priority. Being on the Watch List does not mean that the facility has actually violated the law only that an investigation by EPA or a state or local environmental agency has led those organizations to allege that an unproven violation has in fact occurred. Being on the Watch List does not represent a higher level of concern regarding the alleged violations that were detected, but instead indicates cases requiring additional dialogue between EPA, state and local agencies - primarily because of the length of time the alleged violation has gone unaddressed or unresolved.

Date of Government Version: 08/30/2013
Date Data Arrived at EDR: 03/21/2014
Date Made Active in Reports: 06/17/2014
Number of Days to Update: 88

Source: Environmental Protection Agency
Telephone: 617-520-3000
Last EDR Contact: 02/08/2019
Next Scheduled EDR Contact: 05/20/2019
Data Release Frequency: Quarterly

2020 COR ACTION: 2020 Corrective Action Program List

The EPA has set ambitious goals for the RCRA Corrective Action program by creating the 2020 Corrective Action Universe. This RCRA cleanup baseline includes facilities expected to need corrective action. The 2020 universe contains a wide variety of sites. Some properties are heavily contaminated while others were contaminated but have since been cleaned up. Still others have not been fully investigated yet, and may require little or no remediation. Inclusion in the 2020 Universe does not necessarily imply failure on the part of a facility to meet its RCRA obligations.

Date of Government Version: 09/30/2017
Date Data Arrived at EDR: 05/08/2018
Date Made Active in Reports: 07/20/2018
Number of Days to Update: 73

Source: Environmental Protection Agency
Telephone: 703-308-4044
Last EDR Contact: 02/08/2019
Next Scheduled EDR Contact: 05/20/2019
Data Release Frequency: Varies

TSCA: Toxic Substances Control Act

Toxic Substances Control Act. TSCA identifies manufacturers and importers of chemical substances included on the TSCA Chemical Substance Inventory list. It includes data on the production volume of these substances by plant site.

Date of Government Version: 12/31/2016
Date Data Arrived at EDR: 06/21/2017
Date Made Active in Reports: 01/05/2018
Number of Days to Update: 198

Source: EPA
Telephone: 202-260-5521
Last EDR Contact: 03/22/2019
Next Scheduled EDR Contact: 07/01/2019
Data Release Frequency: Every 4 Years

TRIS: Toxic Chemical Release Inventory System

Toxic Release Inventory System. TRIS identifies facilities which release toxic chemicals to the air, water and land in reportable quantities under SARA Title III Section 313.

Date of Government Version: 12/31/2016
Date Data Arrived at EDR: 01/10/2018
Date Made Active in Reports: 01/12/2018
Number of Days to Update: 2

Source: EPA
Telephone: 202-566-0250
Last EDR Contact: 02/20/2019
Next Scheduled EDR Contact: 06/03/2019
Data Release Frequency: Annually

SSTS: Section 7 Tracking Systems

Section 7 of the Federal Insecticide, Fungicide and Rodenticide Act, as amended (92 Stat. 829) requires all registered pesticide-producing establishments to submit a report to the Environmental Protection Agency by March 1st each year. Each establishment must report the types and amounts of pesticides, active ingredients and devices being produced, and those having been produced and sold or distributed in the past year.

Date of Government Version: 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: 03/25/2019
Next Scheduled EDR Contact: 05/06/2019
Data Release Frequency: Annually

ROD: Records Of Decision

Record of Decision. ROD documents mandate a permanent remedy at an NPL (Superfund) site containing technical and health information to aid in the cleanup.

Date of Government Version: 03/11/2019
Date Data Arrived at EDR: 03/14/2019
Date Made Active in Reports: 04/01/2019
Number of Days to Update: 18

Source: EPA
Telephone: 703-416-0223
Last EDR Contact: 03/14/2019
Next Scheduled EDR Contact: 06/17/2019
Data Release Frequency: Annually

RMP: Risk Management Plans

When Congress passed the Clean Air Act Amendments of 1990, it required EPA to publish regulations and guidance for chemical accident prevention at facilities using extremely hazardous substances. The Risk Management Program Rule (RMP Rule) was written to implement Section 112(r) of these amendments. The rule, which built upon existing industry codes and standards, requires companies of all sizes that use certain flammable and toxic substances to develop a Risk Management Program, which includes a(n): Hazard assessment that details the potential effects of an accidental release, an accident history of the last five years, and an evaluation of worst-case and alternative accidental releases; Prevention program that includes safety precautions and maintenance, monitoring, and employee training measures; and Emergency response program that spells out emergency health care, employee training measures and procedures for informing the public and response agencies (e.g the fire department) should an accident occur.

Date of Government Version: 02/01/2019
Date Data Arrived at EDR: 02/14/2019
Date Made Active in Reports: 03/21/2019
Number of Days to Update: 35

Source: Environmental Protection Agency
Telephone: 202-564-8600
Last EDR Contact: 01/22/2019
Next Scheduled EDR Contact: 05/06/2019
Data Release Frequency: Varies

RAATS: RCRA Administrative Action Tracking System

RCRA Administration Action Tracking System. RAATS contains records based on enforcement actions issued under RCRA pertaining to major violators and includes administrative and civil actions brought by the EPA. For administration actions after September 30, 1995, data entry in the RAATS database was discontinued. EPA will retain a copy of the database for historical records. It was necessary to terminate RAATS because a decrease in agency resources made it impossible to continue to update the information contained in the database.

Date of Government Version: 04/17/1995
Date Data Arrived at EDR: 07/03/1995
Date Made Active in Reports: 08/07/1995
Number of Days to Update: 35

Source: EPA
Telephone: 202-564-4104
Last EDR Contact: 06/02/2008
Next Scheduled EDR Contact: 09/01/2008
Data Release Frequency: No Update Planned

PRP: Potentially Responsible Parties

A listing of verified Potentially Responsible Parties

Date of Government Version: 08/13/2018
Date Data Arrived at EDR: 10/04/2018
Date Made Active in Reports: 11/09/2018
Number of Days to Update: 36

Source: EPA
Telephone: 202-564-6023
Last EDR Contact: 03/14/2019
Next Scheduled EDR Contact: 05/20/2019
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: 09/14/2018
Date Data Arrived at EDR: 10/11/2018
Date Made Active in Reports: 12/07/2018
Number of Days to Update: 57

Source: EPA
Telephone: 202-566-0500
Last EDR Contact: 01/11/2019
Next Scheduled EDR Contact: 04/22/2019
Data Release Frequency: Annually

ICIS: Integrated Compliance Information System
The Integrated Compliance Information System (ICIS) supports the information needs of the national enforcement and compliance program as well as the unique needs of the National Pollutant Discharge Elimination System (NPDES) program.

Date of Government Version: 11/18/2016
Date Data Arrived at EDR: 11/23/2016
Date Made Active in Reports: 02/10/2017
Number of Days to Update: 79

Source: Environmental Protection Agency
Telephone: 202-564-2501
Last EDR Contact: 01/07/2019
Next Scheduled EDR Contact: 04/22/2019
Data Release Frequency: Quarterly

FTTS: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)
FTTS tracks administrative cases and pesticide enforcement actions and compliance activities related to FIFRA, TSCA and EPCRA (Emergency Planning and Community Right-to-Know Act). To maintain currency, EDR contacts the Agency on a quarterly basis.

Date of Government Version: 04/09/2009
Date Data Arrived at EDR: 04/16/2009
Date Made Active in Reports: 05/11/2009
Number of Days to Update: 25

Source: EPA/Office of Prevention, Pesticides and Toxic Substances
Telephone: 202-566-1667
Last EDR Contact: 08/18/2017
Next Scheduled EDR Contact: 12/04/2017
Data Release Frequency: 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: 08/18/2017
Next Scheduled EDR Contact: 12/04/2017
Data Release Frequency: Quarterly

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: 08/30/2016
Date Data Arrived at EDR: 09/08/2016
Date Made Active in Reports: 10/21/2016
Number of Days to Update: 43

Source: Nuclear Regulatory Commission
Telephone: 301-415-7169
Last EDR Contact: 01/22/2019
Next Scheduled EDR Contact: 05/06/2019
Data Release Frequency: Quarterly

COAL ASH DOE: Steam-Electric Plant Operation Data
A listing of power plants that store ash in surface ponds.

Date of Government Version: 12/31/2005
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: 03/07/2019
Next Scheduled EDR Contact: 06/17/2019
Data Release Frequency: Varies

COAL ASH EPA: Coal Combustion Residues Surface Impoundments List
A listing of coal combustion residues surface impoundments with high hazard potential ratings.

Date of Government Version: 07/01/2014
Date Data Arrived at EDR: 09/10/2014
Date Made Active in Reports: 10/20/2014
Number of Days to Update: 40

Source: Environmental Protection Agency
Telephone: N/A
Last EDR Contact: 03/05/2019
Next Scheduled EDR Contact: 06/17/2019
Data Release Frequency: Varies

PCB TRANSFORMER: PCB Transformer Registration Database
The database of PCB transformer registrations that includes all PCB registration submittals.

Date of Government Version: 05/24/2017
Date Data Arrived at EDR: 11/30/2017
Date Made Active in Reports: 12/15/2017
Number of Days to Update: 15

Source: Environmental Protection Agency
Telephone: 202-566-0517
Last EDR Contact: 01/25/2019
Next Scheduled EDR Contact: 05/06/2019
Data Release Frequency: Varies

RADINFO: Radiation Information Database
The Radiation Information Database (RADINFO) contains information about facilities that are regulated by U.S. Environmental Protection Agency (EPA) regulations for radiation and radioactivity.

Date of Government Version: 01/02/2019
Date Data Arrived at EDR: 01/03/2019
Date Made Active in Reports: 03/15/2019
Number of Days to Update: 71

Source: Environmental Protection Agency
Telephone: 202-343-9775
Last EDR Contact: 04/02/2019
Next Scheduled EDR Contact: 07/15/2019
Data Release Frequency: Quarterly

HIST FTTS: FIFRA/TSCA Tracking System Administrative Case Listing
A complete administrative case listing from the FIFRA/TSCA Tracking System (FTTS) for all ten EPA regions. The information was obtained from the National Compliance Database (NCDB). NCDB supports the implementation of FIFRA (Federal Insecticide, Fungicide, and Rodenticide Act) and TSCA (Toxic Substances Control Act). Some EPA regions are now closing out records. Because of that, and the fact that some EPA regions are not providing EPA Headquarters with updated records, it was decided to create a HIST FTTS database. It included records that may not be included in the newer FTTS database updates. This database is no longer updated.

Date of Government Version: 10/19/2006
Date Data Arrived at EDR: 03/01/2007
Date Made Active in Reports: 04/10/2007
Number of Days to Update: 40

Source: Environmental Protection Agency
Telephone: 202-564-2501
Last EDR Contact: 12/17/2007
Next Scheduled EDR Contact: 03/17/2008
Data Release Frequency: No Update Planned

HIST FTTS INSP: FIFRA/TSCA Tracking System Inspection & Enforcement Case Listing
A complete inspection and enforcement case listing from the FIFRA/TSCA Tracking System (FTTS) for all ten EPA regions. The information was obtained from the National Compliance Database (NCDB). NCDB supports the implementation of FIFRA (Federal Insecticide, Fungicide, and Rodenticide Act) and TSCA (Toxic Substances Control Act). Some EPA regions are now closing out records. Because of that, and the fact that some EPA regions are not providing EPA Headquarters with updated records, it was decided to create a HIST FTTS database. It included records that may not be included in the newer FTTS database updates. This database is no longer updated.

Date of Government Version: 10/19/2006
Date Data Arrived at EDR: 03/01/2007
Date Made Active in Reports: 04/10/2007
Number of Days to Update: 40

Source: Environmental Protection Agency
Telephone: 202-564-2501
Last EDR Contact: 12/17/2008
Next Scheduled EDR Contact: 03/17/2008
Data Release Frequency: No Update Planned

DOT OPS: Incident and Accident Data
Department of Transporation, Office of Pipeline Safety Incident and Accident data.

Date of Government Version: 12/03/2018
Date Data Arrived at EDR: 01/29/2019
Date Made Active in Reports: 03/21/2019
Number of Days to Update: 51

Source: Department of Transporation, Office of Pipeline Safety
Telephone: 202-366-4595
Last EDR Contact: 01/29/2019
Next Scheduled EDR Contact: 05/11/2019
Data Release Frequency: Quarterly

CONSENT: Superfund (CERCLA) Consent Decrees
Major legal settlements that establish responsibility and standards for cleanup at NPL (Superfund) sites. Released periodically by United States District Courts after settlement by parties to litigation matters.

Date of Government Version: 12/31/2018
Date Data Arrived at EDR: 02/11/2019
Date Made Active in Reports: 03/21/2019
Number of Days to Update: 38

Source: Department of Justice, Consent Decree Library
Telephone: Varies
Last EDR Contact: 01/07/2019
Next Scheduled EDR Contact: 04/22/2019
Data Release Frequency: Varies

BRS: Biennial Reporting System

The Biennial Reporting System is a national system administered by the EPA that collects data on the generation and management of hazardous waste. BRS captures detailed data from two groups: Large Quantity Generators (LQG) and Treatment, Storage, and Disposal Facilities.

Date of Government Version: 12/31/2015
Date Data Arrived at EDR: 02/22/2017
Date Made Active in Reports: 09/28/2017
Number of Days to Update: 218

Source: EPA/NTIS
Telephone: 800-424-9346
Last EDR Contact: 02/13/2019
Next Scheduled EDR Contact: 06/03/2019
Data Release Frequency: Biennially

INDIAN RESERV: Indian Reservations

This map layer portrays Indian administered lands of the United States that have any area equal to or greater than 640 acres.

Date of Government Version: 12/31/2014
Date Data Arrived at EDR: 07/14/2015
Date Made Active in Reports: 01/10/2017
Number of Days to Update: 546

Source: USGS
Telephone: 202-208-3710
Last EDR Contact: 01/07/2019
Next Scheduled EDR Contact: 04/22/2019
Data Release Frequency: Semi-Annually

FUSRAP: Formerly Utilized Sites Remedial Action Program

DOE established the Formerly Utilized Sites Remedial Action Program (FUSRAP) in 1974 to remediate sites where radioactive contamination remained from Manhattan Project and early U.S. Atomic Energy Commission (AEC) operations.

Date of Government Version: 08/08/2017
Date Data Arrived at EDR: 09/11/2018
Date Made Active in Reports: 09/14/2018
Number of Days to Update: 3

Source: Department of Energy
Telephone: 202-586-3559
Last EDR Contact: 01/31/2019
Next Scheduled EDR Contact: 05/20/2019
Data Release Frequency: Varies

UMTRA: Uranium Mill Tailings Sites

Uranium ore was mined by private companies for federal government use in national defense programs. When the mills shut down, large piles of the sand-like material (mill tailings) remain after uranium has been extracted from the ore. Levels of human exposure to radioactive materials from the piles are low; however, in some cases tailings were used as construction materials before the potential health hazards of the tailings were recognized.

Date of Government Version: 06/23/2017
Date Data Arrived at EDR: 10/11/2017
Date Made Active in Reports: 11/03/2017
Number of Days to Update: 23

Source: Department of Energy
Telephone: 505-845-0011
Last EDR Contact: 02/22/2019
Next Scheduled EDR Contact: 06/03/2019
Data Release Frequency: Varies

LEAD SMELTER 1: Lead Smelter Sites

A listing of former lead smelter site locations.

Date of Government Version: 03/11/2019
Date Data Arrived at EDR: 03/14/2019
Date Made Active in Reports: 03/21/2019
Number of Days to Update: 7

Source: Environmental Protection Agency
Telephone: 703-603-8787
Last EDR Contact: 03/14/2019
Next Scheduled EDR Contact: 04/15/2019
Data Release Frequency: Varies

LEAD SMELTER 2: Lead Smelter Sites

A list of several hundred sites in the U.S. where secondary lead smelting was done from 1931and 1964. These sites may pose a threat to public health through ingestion or inhalation of contaminated soil or dust

Date of Government Version: 04/05/2001
Date Data Arrived at EDR: 10/27/2010
Date Made Active in Reports: 12/02/2010
Number of Days to Update: 36

Source: American Journal of Public Health
Telephone: 703-305-6451
Last EDR Contact: 12/02/2009
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

US AIRS (AFS): Aerometric Information Retrieval System Facility Subsystem (AFS)

The database is a sub-system of Aerometric Information Retrieval System (AIRS). AFS contains compliance data on air pollution point sources regulated by the U.S. EPA and/or state and local air regulatory agencies. This information comes from source reports by various stationary sources of air pollution, such as electric power plants, steel mills, factories, and universities, and provides information about the air pollutants they produce. Action, air program, air program pollutant, and general level plant data. It is used to track emissions and compliance data from industrial plants.

Date of Government Version: 10/12/2016
Date Data Arrived at EDR: 10/26/2016
Date Made Active in Reports: 02/03/2017
Number of Days to Update: 100

Source: EPA
Telephone: 202-564-2496
Last EDR Contact: 09/26/2017
Next Scheduled EDR Contact: 01/08/2018
Data Release Frequency: Annually

US AIRS MINOR: Air Facility System Data

A listing of minor source facilities.

Date of Government Version: 10/12/2016
Date Data Arrived at EDR: 10/26/2016
Date Made Active in Reports: 02/03/2017
Number of Days to Update: 100

Source: EPA
Telephone: 202-564-2496
Last EDR Contact: 09/26/2017
Next Scheduled EDR Contact: 01/08/2018
Data Release Frequency: Annually

US MINES: Mines Master Index File

Contains all mine identification numbers issued for mines active or opened since 1971. The data also includes violation information.

Date of Government Version: 11/27/2018
Date Data Arrived at EDR: 02/27/2019
Date Made Active in Reports: 04/01/2019
Number of Days to Update: 33

Source: Department of Labor, Mine Safety and Health Administration
Telephone: 303-231-5959
Last EDR Contact: 02/27/2019
Next Scheduled EDR Contact: 06/10/2019
Data Release Frequency: Semi-Annually

US MINES 2: Ferrous and Nonferrous Metal Mines Database Listing

This map layer includes ferrous (ferrous metal mines are facilities that extract ferrous metals, such as iron ore or molybdenum) and nonferrous (Nonferrous metal mines are facilities that extract nonferrous metals, such as gold, silver, copper, zinc, and lead) metal mines in the United States.

Date of Government Version: 12/05/2005
Date Data Arrived at EDR: 02/29/2008
Date Made Active in Reports: 04/18/2008
Number of Days to Update: 49

Source: USGS
Telephone: 703-648-7709
Last EDR Contact: 03/01/2019
Next Scheduled EDR Contact: 06/10/2019
Data Release Frequency: Varies

US MINES 3: Active Mines & Mineral Plants Database Listing

Active Mines and Mineral Processing Plant operations for commodities monitored by the Minerals Information Team of the USGS.

Date of Government Version: 04/14/2011
Date Data Arrived at EDR: 06/08/2011
Date Made Active in Reports: 09/13/2011
Number of Days to Update: 97

Source: USGS
Telephone: 703-648-7709
Last EDR Contact: 03/01/2019
Next Scheduled EDR Contact: 06/10/2019
Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

ABANDONED MINES: Abandoned Mines

An inventory of land and water impacted by past mining (primarily coal mining) is maintained by OSMRE to provide information needed to implement the Surface Mining Control and Reclamation Act of 1977 (SMCRA). The inventory contains information on the location, type, and extent of AML impacts, as well as, information on the cost associated with the reclamation of those problems. The inventory is based upon field surveys by State, Tribal, and OSMRE program officials. It is dynamic to the extent that it is modified as new problems are identified and existing problems are reclaimed.

Date of Government Version: 09/10/2018
Date Data Arrived at EDR: 09/11/2018
Date Made Active in Reports: 09/14/2018
Number of Days to Update: 3

Source: Department of Interior
Telephone: 202-208-2609
Last EDR Contact: 03/21/2019
Next Scheduled EDR Contact: 06/24/2019
Data Release Frequency: Quarterly

FINDS: Facility Index System/Facility Registry System

Facility Index System. FINDS contains both facility information and 'pointers' to other sources that contain more detail. EDR includes the following FINDS databases in this report: PCS (Permit Compliance System), AIRS (Aerometric Information Retrieval System), DOCKET (Enforcement Docket used to manage and track information on civil judicial enforcement cases for all environmental statutes), FURS (Federal Underground Injection Control), C-DOCKET (Criminal Docket System used to track criminal enforcement actions for all environmental statutes), FFIS (Federal Facilities Information System), STATE (State Environmental Laws and Statutes), and PADS (PCB Activity Data System).

Date of Government Version: 02/15/2019
Date Data Arrived at EDR: 03/05/2019
Date Made Active in Reports: 03/15/2019
Number of Days to Update: 10

Source: EPA
Telephone: (415) 947-8000
Last EDR Contact: 03/05/2019
Next Scheduled EDR Contact: 06/17/2019
Data Release Frequency: Quarterly

UXO: Unexploded Ordnance Sites

A listing of unexploded ordnance site locations

Date of Government Version: 12/31/2017
Date Data Arrived at EDR: 01/17/2019
Date Made Active in Reports: 04/01/2019
Number of Days to Update: 74

Source: Department of Defense
Telephone: 703-704-1564
Last EDR Contact: 01/14/2019
Next Scheduled EDR Contact: 04/29/2019
Data Release Frequency: Varies

DOCKET HWC: Hazardous Waste Compliance Docket Listing

A complete list of the Federal Agency Hazardous Waste Compliance Docket Facilities.

Date of Government Version: 05/31/2018
Date Data Arrived at EDR: 07/26/2018
Date Made Active in Reports: 10/05/2018
Number of Days to Update: 71

Source: Environmental Protection Agency
Telephone: 202-564-0527
Last EDR Contact: 03/01/2019
Next Scheduled EDR Contact: 06/10/2019
Data Release Frequency: Varies

ECHO: Enforcement & Compliance History Information

ECHO provides integrated compliance and enforcement information for about 800,000 regulated facilities nationwide.

Date of Government Version: 03/03/2019
Date Data Arrived at EDR: 03/05/2019
Date Made Active in Reports: 04/01/2019
Number of Days to Update: 27

Source: Environmental Protection Agency
Telephone: 202-564-2280
Last EDR Contact: 03/05/2019
Next Scheduled EDR Contact: 06/17/2019
Data Release Frequency: Quarterly

FUELS PROGRAM: EPA Fuels Program Registered Listing

This listing includes facilities that are registered under the Part 80 (Code of Federal Regulations) EPA Fuels Programs. All companies now are required to submit new and updated registrations.

Date of Government Version: 02/19/2019
Date Data Arrived at EDR: 02/21/2019
Date Made Active in Reports: 04/01/2019
Number of Days to Update: 39

Source: EPA
Telephone: 800-385-6164
Last EDR Contact: 02/21/2019
Next Scheduled EDR Contact: 06/03/2019
Data Release Frequency: Quarterly

CA BOND EXP. PLAN: Bond Expenditure Plan
Department of Health Services developed a site-specific expenditure plan as the basis for an appropriation of Hazardous Substance Cleanup Bond Act funds. It is not updated.

Date of Government Version: 01/01/1989
Date Data Arrived at EDR: 07/27/1994
Date Made Active in Reports: 08/02/1994
Number of Days to Update: 6

Source: Department of Health Services
Telephone: 916-255-2118
Last EDR Contact: 05/31/1994
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

CORTESE: "Cortese" Hazardous Waste & Substances Sites List
The sites for the list are designated by the State Water Resource Control Board (LUST), the Integrated Waste Board (SWF/LS), and the Department of Toxic Substances Control (Cal-Sites).

Date of Government Version: 12/20/2018
Date Data Arrived at EDR: 12/21/2018
Date Made Active in Reports: 02/28/2019
Number of Days to Update: 69

Source: CAL EPA/Office of Emergency Information
Telephone: 916-323-3400
Last EDR Contact: 03/26/2019
Next Scheduled EDR Contact: 07/08/2019
Data Release Frequency: Quarterly

CUPA LIVERMORE-PLEASANTON: CUPA Facility Listing
list of facilities associated with the various CUPA programs in Livermore-Pleasanton

Date of Government Version: 01/23/2019
Date Data Arrived at EDR: 02/26/2019
Date Made Active in Reports: 04/01/2019
Number of Days to Update: 34

Source: Livermore-Pleasanton Fire Department
Telephone: 925-454-2361
Last EDR Contact: 02/26/2019
Next Scheduled EDR Contact: 05/27/2019
Data Release Frequency: Varies

CUPA SAN FRANCISCO CO: CUPA Facility Listing
Cupa facilities

Date of Government Version: 09/11/2018
Date Data Arrived at EDR: 09/12/2018
Date Made Active in Reports: 09/19/2018
Number of Days to Update: 7

Source: San Francisco County Department of Environmental Health
Telephone: 415-252-3896
Last EDR Contact: 01/31/2019
Next Scheduled EDR Contact: 05/20/2019
Data Release Frequency: Varies

DRYCLEAN AVAQMD: Antelope Valley Air Quality Management District Drycleaner Listing
A listing of dry cleaners in the Antelope Valley Air Quality Management District.

Date of Government Version: 02/27/2019
Date Data Arrived at EDR: 02/28/2019
Date Made Active in Reports: 04/01/2019
Number of Days to Update: 32

Source: Antelope Valley Air Quality Management District
Telephone: 661-723-8070
Last EDR Contact: 02/27/2019
Next Scheduled EDR Contact: 06/17/2019
Data Release Frequency: Varies

DRYCLEANERS: Cleaner Facilities
A list of drycleaner related facilities that have EPA ID numbers. These are facilities with certain SIC codes: power laundries, family and commercial; garment pressing and cleaner's agents; linen supply; coin-operated laundries and cleaning; drycleaning plants, except rugs; carpet and upholster cleaning; industrial launderers; laundry and garment services.

Date of Government Version: 12/13/2018
Date Data Arrived at EDR: 01/17/2019
Date Made Active in Reports: 03/05/2019
Number of Days to Update: 47

Source: Department of Toxic Substance Control
Telephone: 916-327-4498
Last EDR Contact: 02/27/2019
Next Scheduled EDR Contact: 06/17/2019
Data Release Frequency: Annually

DRYCLEAN SOUTH COAST: South Coast Air Quality Management District Drycleaner Listing
A listing of dry cleaners in the South Coast Air Quality Management District

Date of Government Version: 10/04/2018
Date Data Arrived at EDR: 10/05/2018
Date Made Active in Reports: 11/01/2018
Number of Days to Update: 27

Source: South Coast Air Quality Management District
Telephone: 909-396-3211
Last EDR Contact: 03/22/2019
Next Scheduled EDR Contact: 06/10/2019
Data Release Frequency: Varies

EMI: Emissions Inventory Data
Toxics and criteria pollutant emissions data collected by the ARB and local air pollution agencies.

Date of Government Version: 12/31/2017
Date Data Arrived at EDR: 06/20/2018
Date Made Active in Reports: 08/06/2018
Number of Days to Update: 47

Source: California Air Resources Board
Telephone: 916-322-2990
Last EDR Contact: 03/22/2019
Next Scheduled EDR Contact: 07/01/2019
Data Release Frequency: Varies

ENF: Enforcement Action Listing
A listing of Water Board Enforcement Actions. Formal is everything except Oral/Verbal Communication, Notice of Violation, Expedited Payment Letter, and Staff Enforcement Letter.

Date of Government Version: 11/01/2018
Date Data Arrived at EDR: 11/02/2018
Date Made Active in Reports: 12/13/2018
Number of Days to Update: 41

Source: State Water Resoruces Control Board
Telephone: 916-445-9379
Last EDR Contact: 03/18/2019
Next Scheduled EDR Contact: 05/06/2019
Data Release Frequency: Varies

Financial Assurance 1: Financial Assurance Information Listing
Financial Assurance information

Date of Government Version: 01/10/2019
Date Data Arrived at EDR: 01/23/2019
Date Made Active in Reports: 03/05/2019
Number of Days to Update: 41

Source: Department of Toxic Substances Control
Telephone: 916-255-3628
Last EDR Contact: 01/17/2019
Next Scheduled EDR Contact: 05/06/2019
Data Release Frequency: Varies

Financial Assurance 2: Financial Assurance Information Listing
A listing of financial assurance information for solid waste facilities. Financial assurance is intended to ensure that resources are available to pay for the cost of closure, post-closure care, and corrective measures if the owner or operator of a regulated facility is unable or unwilling to pay.

Date of Government Version: 02/15/2019
Date Data Arrived at EDR: 02/19/2019
Date Made Active in Reports: 03/05/2019
Number of Days to Update: 14

Source: California Integrated Waste Management Board
Telephone: 916-341-6066
Last EDR Contact: 02/11/2019
Next Scheduled EDR Contact: 05/27/2019
Data Release Frequency: Varies

HAZNET: Facility and Manifest Data
Facility and Manifest Data. The data is extracted from the copies of hazardous waste manifests received each year by the DTSC. The annual volume of manifests is typically 700,000 - 1,000,000 annually, representing approximately 350,000 - 500,000 shipments. Data are from the manifests submitted without correction, and therefore many contain some invalid values for data elements such as generator ID, TSD ID, waste category, and disposal method. This database begins with calendar year 1993.

Date of Government Version: 12/31/2017
Date Data Arrived at EDR: 10/10/2018
Date Made Active in Reports: 11/16/2018
Number of Days to Update: 37

Source: California Environmental Protection Agency
Telephone: 916-255-1136
Last EDR Contact: 01/07/2019
Next Scheduled EDR Contact: 04/22/2019
Data Release Frequency: Annually

ICE: ICE
Contains data pertaining to the Permitted Facilities with Inspections / Enforcements sites tracked in Envirostor.

Date of Government Version: 02/19/2019
Date Data Arrived at EDR: 02/20/2019
Date Made Active in Reports: 03/05/2019
Number of Days to Update: 13

Source: Department of Toxic Subsances Control
Telephone: 877-786-9427
Last EDR Contact: 02/20/2019
Next Scheduled EDR Contact: 06/03/2019
Data Release Frequency: Quarterly

HIST CORTESE: Hazardous Waste & Substance Site List
The sites for the list are designated by the State Water Resource Control Board [LUST], the Integrated Waste Board [SWF/LS], and the Department of Toxic Substances Control [CALSITES]. This listing is no longer updated by the state agency.

Date of Government Version: 04/01/2001
Date Data Arrived at EDR: 01/22/2009
Date Made Active in Reports: 04/08/2009
Number of Days to Update: 76

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 01/22/2009
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

HWP: EnviroStor Permitted Facilities Listing
Detailed information on permitted hazardous waste facilities and corrective action ("cleanups") tracked in EnviroStor.

Date of Government Version: 02/19/2019
Date Data Arrived at EDR: 02/20/2019
Date Made Active in Reports: 03/05/2019
Number of Days to Update: 13

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 02/20/2019
Next Scheduled EDR Contact: 06/03/2019
Data Release Frequency: Quarterly

HWT: Registered Hazardous Waste Transporter Database
A listing of hazardous waste transporters. In California, unless specifically exempted, it is unlawful for any person to transport hazardous wastes unless the person holds a valid registration issued by DTSC. A hazardous waste transporter registration is valid for one year and is assigned a unique registration number.

Date of Government Version: 01/07/2019
Date Data Arrived at EDR: 01/08/2019
Date Made Active in Reports: 03/05/2019
Number of Days to Update: 56

Source: Department of Toxic Substances Control
Telephone: 916-440-7145
Last EDR Contact: 01/08/2019
Next Scheduled EDR Contact: 04/22/2019
Data Release Frequency: Quarterly

MINES: Mines Site Location Listing
A listing of mine site locations from the Office of Mine Reclamation.

Date of Government Version: 12/10/2018
Date Data Arrived at EDR: 12/12/2018
Date Made Active in Reports: 01/15/2019
Number of Days to Update: 34

Source: Department of Conservation
Telephone: 916-322-1080
Last EDR Contact: 12/12/2018
Next Scheduled EDR Contact: 03/25/2019
Data Release Frequency: Quarterly

MWMP: Medical Waste Management Program Listing
The Medical Waste Management Program (MWMP) ensures the proper handling and disposal of medical waste by permitting and inspecting medical waste Offsite Treatment Facilities (PDF) and Transfer Stations (PDF) throughout the state. MWMP also oversees all Medical Waste Transporters.

Date of Government Version: 02/20/2019
Date Data Arrived at EDR: 03/05/2019
Date Made Active in Reports: 04/02/2019
Number of Days to Update: 28

Source: Department of Public Health
Telephone: 916-558-1784
Last EDR Contact: 03/05/2019
Next Scheduled EDR Contact: 06/17/2019
Data Release Frequency: Varies

NPDES: NPDES Permits Listing
A listing of NPDES permits, including stormwater.

Date of Government Version: 02/11/2019
Date Data Arrived at EDR: 02/12/2019
Date Made Active in Reports: 03/07/2019
Number of Days to Update: 23

Source: State Water Resources Control Board
Telephone: 916-445-9379
Last EDR Contact: 02/12/2019
Next Scheduled EDR Contact: 05/27/2019
Data Release Frequency: Quarterly

PEST LIC: Pesticide Regulation Licenses Listing
A listing of licenses and certificates issued by the Department of Pesticide Regulation. The DPR issues licenses and/or certificates to: Persons and businesses that apply or sell pesticides; Pest control dealers and brokers; Persons who advise on agricultural pesticide applications.

Date of Government Version: 12/03/2018
Date Data Arrived at EDR: 12/05/2018
Date Made Active in Reports: 01/11/2019
Number of Days to Update: 37

Source: Department of Pesticide Regulation
Telephone: 916-445-4038
Last EDR Contact: 03/05/2019
Next Scheduled EDR Contact: 06/17/2019
Data Release Frequency: Quarterly

PROC: Certified Processors Database
A listing of certified processors.

Date of Government Version: 12/10/2018
Date Data Arrived at EDR: 12/12/2018
Date Made Active in Reports: 01/15/2019
Number of Days to Update: 34

Source: Department of Conservation
Telephone: 916-323-3836
Last EDR Contact: 03/13/2019
Next Scheduled EDR Contact: 06/24/2019
Data Release Frequency: Quarterly

NOTIFY 65: Proposition 65 Records
Listings of all Proposition 65 incidents reported to counties by the State Water Resources Control Board and the Regional Water Quality Control Board. This database is no longer updated by the reporting agency.

Date of Government Version: 09/19/2018
Date Data Arrived at EDR: 09/20/2018
Date Made Active in Reports: 10/19/2018
Number of Days to Update: 29

Source: State Water Resources Control Board
Telephone: 916-445-3846
Last EDR Contact: 03/18/2019
Next Scheduled EDR Contact: 07/01/2019
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: 04/27/2018
Date Data Arrived at EDR: 06/13/2018
Date Made Active in Reports: 07/17/2018
Number of Days to Update: 34

Source: Deaprtment of Conservation
Telephone: 916-445-2408
Last EDR Contact: 03/13/2019
Next Scheduled EDR Contact: 06/24/2019
Data Release Frequency: Varies

UIC GEO: Underground Injection Control Sites (GEOTRACKER)
Underground control injection sites

Date of Government Version: 12/10/2018
Date Data Arrived at EDR: 12/11/2018
Date Made Active in Reports: 01/15/2019
Number of Days to Update: 35

Source: State Water Resource Control Board
Telephone: 866-480-1028
Last EDR Contact: 12/12/2018
Next Scheduled EDR Contact: 03/25/2019
Data Release Frequency: Varies

WASTEWATER PITS: Oil Wastewater Pits Listing

Water officials discovered that oil producers have been dumping chemical-laden wastewater into hundreds of unlined pits that are operating without proper permits. Inspections completed by the Central Valley Regional Water Quality Control Board revealed the existence of previously unidentified waste sites. The water boards review found that more than one-third of the region's active disposal pits are operating without permission.

Date of Government Version: 05/08/2018
Date Data Arrived at EDR: 07/11/2018
Date Made Active in Reports: 09/13/2018
Number of Days to Update: 64

Source: RWQCB, Central Valley Region
Telephone: 559-445-5577
Last EDR Contact: 01/11/2019
Next Scheduled EDR Contact: 04/22/2019
Data Release Frequency: Varies

WDS: Waste Discharge System

Sites which have been issued waste discharge requirements.

Date of Government Version: 06/19/2007
Date Data Arrived at EDR: 06/20/2007
Date Made Active in Reports: 06/29/2007
Number of Days to Update: 9

Source: State Water Resources Control Board
Telephone: 916-341-5227
Last EDR Contact: 02/13/2019
Next Scheduled EDR Contact: 06/03/2019
Data Release Frequency: Quarterly

MILITARY PRIV SITES: Military Privatized Sites (GEOTRACKER)

Military privatized sites

Date of Government Version: 12/10/2018
Date Data Arrived at EDR: 12/11/2018
Date Made Active in Reports: 01/15/2019
Number of Days to Update: 35

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 12/12/2018
Next Scheduled EDR Contact: 03/25/2019
Data Release Frequency: Varies

PROJECT: Project Sites (GEOTRACKER)

Projects sites

Date of Government Version: 12/10/2018
Date Data Arrived at EDR: 12/11/2018
Date Made Active in Reports: 01/15/2019
Number of Days to Update: 35

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 12/12/2018
Next Scheduled EDR Contact: 03/25/2019
Data Release Frequency: Varies

WDR: Waste Discharge Requirements Listing

In general, the Waste Discharge Requirements (WDRs) Program (sometimes also referred to as the "Non Chapter 15 (Non 15) Program") regulates point discharges that are exempt pursuant to Subsection 20090 of Title 27 and not subject to the Federal Water Pollution Control Act. Exemptions from Title 27 may be granted for nine categories of discharges (e.g., sewage, wastewater, etc.) that meet, and continue to meet, the preconditions listed for each specific exemption. The scope of the WDRs Program also includes the discharge of wastes classified as inert, pursuant to section 20230 of Title 27.

Date of Government Version: 12/10/2018
Date Data Arrived at EDR: 12/12/2018
Date Made Active in Reports: 01/18/2019
Number of Days to Update: 37

Source: State Water Resources Control Board
Telephone: 916-341-5810
Last EDR Contact: 03/13/2019
Next Scheduled EDR Contact: 06/24/2019
Data Release Frequency: Quarterly

CIWQS: California Integrated Water Quality System

The California Integrated Water Quality System (CIWQS) is a computer system used by the State and Regional Water Quality Control Boards to track information about places of environmental interest, manage permits and other orders, track inspections, and manage violations and enforcement activities.

Date of Government Version: 03/05/2019
Date Data Arrived at EDR: 03/05/2019
Date Made Active in Reports: 04/02/2019
Number of Days to Update: 28

Source: State Water Resources Control Board
Telephone: 866-794-4977
Last EDR Contact: 03/05/2019
Next Scheduled EDR Contact: 06/17/2019
Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

CERS: CalEPA Regulated Site Portal Data

The CalEPA Regulated Site Portal database combines data about environmentally regulated sites and facilities in California into a single database. It combines data from a variety of state and federal databases, and provides an overview of regulated activities across the spectrum of environmental programs for any given location in California. These activities include hazardous materials and waste, state and federal cleanups, impacted ground and surface waters, and toxic materials

Date of Government Version: 10/22/2018
Date Data Arrived at EDR: 10/23/2018
Date Made Active in Reports: 11/30/2018
Number of Days to Update: 38

Source: California Environmental Protection Agency
Telephone: 916-323-2514
Last EDR Contact: 01/24/2019
Next Scheduled EDR Contact: 05/06/2019
Data Release Frequency: Varies

NON-CASE INFO: Non-Case Information Sites (GEOTRACKER)

Non-Case Information sites

Date of Government Version: 12/10/2018
Date Data Arrived at EDR: 12/11/2018
Date Made Active in Reports: 01/15/2019
Number of Days to Update: 35

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 12/12/2018
Next Scheduled EDR Contact: 03/25/2019
Data Release Frequency: Varies

WIP: Well Investigation Program Case List

Well Investigation Program case in the San Gabriel and San Fernando Valley area.

Date of Government Version: 07/03/2009
Date Data Arrived at EDR: 07/21/2009
Date Made Active in Reports: 08/03/2009
Number of Days to Update: 13

Source: Los Angeles Water Quality Control Board
Telephone: 213-576-6726
Last EDR Contact: 03/25/2019
Next Scheduled EDR Contact: 07/08/2019
Data Release Frequency: Varies

OTHER OIL GAS: Other Oil & Gas Projects Sites (GEOTRACKER)

Other Oil & Gas Projects sites

Date of Government Version: 12/10/2018
Date Data Arrived at EDR: 12/11/2018
Date Made Active in Reports: 01/15/2019
Number of Days to Update: 35

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 12/12/2018
Next Scheduled EDR Contact: 03/25/2019
Data Release Frequency: Varies

PROD WATER PONDS: Produced Water Ponds Sites (GEOTRACKER)

Produced water ponds sites

Date of Government Version: 12/10/2018
Date Data Arrived at EDR: 12/11/2018
Date Made Active in Reports: 01/15/2019
Number of Days to Update: 35

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 12/12/2018
Next Scheduled EDR Contact: 03/25/2019
Data Release Frequency: Varies

SAMPLING POINT: Sampling Point ? Public Sites (GEOTRACKER)

Sampling point - public sites

Date of Government Version: 12/10/2018
Date Data Arrived at EDR: 12/11/2018
Date Made Active in Reports: 01/15/2019
Number of Days to Update: 35

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 12/12/2018
Next Scheduled EDR Contact: 03/25/2019
Data Release Frequency: Varies

WELL STIM PROJ: Well Stimulation Project (GEOTRACKER)

Includes areas of groundwater monitoring plans, a depiction of the monitoring network, and the facilities, boundaries, and subsurface characteristics of the oilfield and the features (oil and gas wells, produced water ponds, UIC wells, water supply wells, etc?) being monitored

Date of Government Version: 12/10/2018
Date Data Arrived at EDR: 12/11/2018
Date Made Active in Reports: 01/15/2019
Number of Days to Update: 35

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 12/12/2018
Next Scheduled EDR Contact: 03/25/2019
Data Release Frequency: Varies

EDR HIGH RISK HISTORICAL RECORDS

EDR Exclusive Records

EDR MGP: EDR Proprietary Manufactured Gas Plants

The EDR Proprietary Manufactured Gas Plant Database includes records of coal gas plants (manufactured gas plants) compiled by EDR's researchers. Manufactured gas sites were used in the United States from the 1800's to 1950's to produce a gas that could be distributed and used as fuel. These plants used whale oil, rosin, coal, or a mixture of coal, oil, and water that also produced a significant amount of waste. Many of the byproducts of the gas production, such as coal tar (oily waste containing volatile and non-volatile chemicals), sludges, oils and other compounds are potentially hazardous to human health and the environment. The byproduct from this process was frequently disposed of directly at the plant site and can remain or spread slowly, serving as a continuous source of soil and groundwater contamination.

Date of Government Version: N/A
Date Data Arrived at EDR: N/A
Date Made Active in Reports: N/A
Number of Days to Update: N/A

Source: EDR, Inc.
Telephone: N/A
Last EDR Contact: N/A
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

EDR Hist Auto: EDR Exclusive Historical Auto Stations

EDR has searched selected national collections of business directories and has collected listings of potential gas station/filling station/service station sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include gas station/filling station/service station establishments. The categories reviewed included, but were not limited to gas, gas station, gasoline station, filling station, auto, automobile repair, auto service station, service station, etc. This database falls within a category of information EDR classifies as "High Risk Historical Records", or HRHR. EDR's HRHR effort presents unique and sometimes proprietary data about past sites and operations that typically create environmental concerns, but may not show up in current government records searches.

Date of Government Version: N/A
Date Data Arrived at EDR: N/A
Date Made Active in Reports: N/A
Number of Days to Update: N/A

Source: EDR, Inc.
Telephone: N/A
Last EDR Contact: N/A
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

EDR Hist Cleaner: EDR Exclusive Historical Cleaners

EDR has searched selected national collections of business directories and has collected listings of potential dry cleaner sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include dry cleaning establishments. The categories reviewed included, but were not limited to dry cleaners, cleaners, laundry, laundromat, cleaning/laundry, wash & dry etc. This database falls within a category of information EDR classifies as "High Risk Historical Records", or HRHR. EDR's HRHR effort presents unique and sometimes proprietary data about past sites and operations that typically create environmental concerns, but may not show up in current government records searches.

Date of Government Version: N/A
Date Data Arrived at EDR: N/A
Date Made Active in Reports: N/A
Number of Days to Update: N/A

Source: EDR, Inc.
Telephone: N/A
Last EDR Contact: N/A
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

EDR RECOVERED GOVERNMENT ARCHIVES

Exclusive Recovered Govt. Archives

RGA LF: Recovered Government Archive Solid Waste Facilities List
The EDR Recovered Government Archive Landfill database provides a list of landfills derived from historical databases and includes many records that no longer appear in current government lists. Compiled from Records formerly available from the Department of Resources Recycling and Recovery in California.

Date of Government Version: N/A
Date Data Arrived at EDR: 07/01/2013
Date Made Active in Reports: 01/13/2014
Number of Days to Update: 196

Source: Department of Resources Recycling and Recovery
Telephone: N/A
Last EDR Contact: 06/01/2012
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

RGA LUST: Recovered Government Archive Leaking Underground Storage Tank
The EDR Recovered Government Archive Leaking Underground Storage Tank database provides a list of LUST incidents derived from historical databases and includes many records that no longer appear in current government lists. Compiled from Records formerly available from the State Water Resources Control Board in California.

Date of Government Version: N/A
Date Data Arrived at EDR: 07/01/2013
Date Made Active in Reports: 12/30/2013
Number of Days to Update: 182

Source: State Water Resources Control Board
Telephone: N/A
Last EDR Contact: 06/01/2012
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

COUNTY RECORDS

ALAMEDA COUNTY:

CS ALAMEDA: Contaminated Sites
A listing of contaminated sites overseen by the Toxic Release Program (oil and groundwater contamination from chemical releases and spills) and the Leaking Underground Storage Tank Program (soil and ground water contamination from leaking petroleum USTs).

Date of Government Version: 01/09/2019
Date Data Arrived at EDR: 01/11/2019
Date Made Active in Reports: 03/05/2019
Number of Days to Update: 53

Source: Alameda County Environmental Health Services
Telephone: 510-567-6700
Last EDR Contact: 01/07/2019
Next Scheduled EDR Contact: 04/22/2019
Data Release Frequency: Semi-Annually

UST ALAMEDA: Underground Tanks
Underground storage tank sites located in Alameda county.

Date of Government Version: 01/07/2019
Date Data Arrived at EDR: 01/08/2019
Date Made Active in Reports: 03/08/2019
Number of Days to Update: 59

Source: Alameda County Environmental Health Services
Telephone: 510-567-6700
Last EDR Contact: 01/07/2019
Next Scheduled EDR Contact: 04/24/2047
Data Release Frequency: Semi-Annually

AMADOR COUNTY:

CUPA AMADOR: CUPA Facility List
Cupa Facility List

Date of Government Version: 01/07/2019
Date Data Arrived at EDR: 01/08/2019
Date Made Active in Reports: 03/07/2019
Number of Days to Update: 58

Source: Amador County Environmental Health
Telephone: 209-223-6439
Last EDR Contact: 02/27/2019
Next Scheduled EDR Contact: 06/17/2019
Data Release Frequency: Varies

BUTTE COUNTY:

CUPA BUTTE: CUPA Facility Listing
Cupa facility list.

Date of Government Version: 04/21/2017
Date Data Arrived at EDR: 04/25/2017
Date Made Active in Reports: 08/09/2017
Number of Days to Update: 106

Source: Public Health Department
Telephone: 530-538-7149
Last EDR Contact: 01/07/2019
Next Scheduled EDR Contact: 04/22/2019
Data Release Frequency: No Update Planned

CALVERAS COUNTY:

CUPA CALVERAS: CUPA Facility Listing
Cupa Facility Listing

Date of Government Version: 01/24/2019
Date Data Arrived at EDR: 01/25/2019
Date Made Active in Reports: 03/05/2019
Number of Days to Update: 39

Source: Calveras County Environmental Health
Telephone: 209-754-6399
Last EDR Contact: 03/25/2019
Next Scheduled EDR Contact: 07/08/2019
Data Release Frequency: Quarterly

COLUSA COUNTY:

CUPA COLUSA: CUPA Facility List
Cupa facility list.

Date of Government Version: 02/27/2019
Date Data Arrived at EDR: 02/28/2019
Date Made Active in Reports: 04/01/2019
Number of Days to Update: 32

Source: Health & Human Services
Telephone: 530-458-0396
Last EDR Contact: 02/27/2019
Next Scheduled EDR Contact: 05/20/2019
Data Release Frequency: Semi-Annually

CONTRA COSTA COUNTY:

SL CONTRA COSTA: Site List
List includes sites from the underground tank, hazardous waste generator and business plan/2185 programs.

Date of Government Version: 02/14/2019
Date Data Arrived at EDR: 02/19/2019
Date Made Active in Reports: 03/08/2019
Number of Days to Update: 17

Source: Contra Costa Health Services Department
Telephone: 925-646-2286
Last EDR Contact: 01/28/2019
Next Scheduled EDR Contact: 05/11/2019
Data Release Frequency: Semi-Annually

DEL NORTE COUNTY:

CUPA DEL NORTE: CUPA Facility List
Cupa Facility list

Date of Government Version: 01/16/2019
Date Data Arrived at EDR: 02/05/2019
Date Made Active in Reports: 03/05/2019
Number of Days to Update: 28

Source: Del Norte County Environmental Health Division
Telephone: 707-465-0426
Last EDR Contact: 01/28/2019
Next Scheduled EDR Contact: 05/11/2019
Data Release Frequency: Varies

EL DORADO COUNTY:

CUPA EL DORADO: CUPA Facility List
CUPA facility list.

Date of Government Version: 02/27/2019
Date Data Arrived at EDR: 02/28/2019
Date Made Active in Reports: 04/01/2019
Number of Days to Update: 32

Source: El Dorado County Environmental Management Department
Telephone: 530-621-6623
Last EDR Contact: 01/28/2019
Next Scheduled EDR Contact: 05/11/2019
Data Release Frequency: Varies

FRESNO COUNTY:

CUPA FRESNO: CUPA Resources List
Certified Unified Program Agency. CUPA's are responsible for implementing a unified hazardous materials and hazardous waste management regulatory program. The agency provides oversight of businesses that deal with hazardous materials, operate underground storage tanks or aboveground storage tanks.

Date of Government Version: 10/16/2018
Date Data Arrived at EDR: 10/18/2018
Date Made Active in Reports: 11/14/2018
Number of Days to Update: 27

Source: Dept. of Community Health
Telephone: 559-445-3271
Last EDR Contact: 03/29/2019
Next Scheduled EDR Contact: 07/15/2019
Data Release Frequency: Semi-Annually

GLENN COUNTY:

CUPA GLENN: CUPA Facility List
Cupa facility list

Date of Government Version: 01/22/2018
Date Data Arrived at EDR: 01/24/2018
Date Made Active in Reports: 03/14/2018
Number of Days to Update: 49

Source: Glenn County Air Pollution Control District
Telephone: 830-934-6500
Last EDR Contact: 01/17/2019
Next Scheduled EDR Contact: 05/06/2019
Data Release Frequency: Varies

HUMBOLDT COUNTY:

CUPA HUMBOLDT: CUPA Facility List
CUPA facility list.

Date of Government Version: 12/11/2018
Date Data Arrived at EDR: 12/13/2018
Date Made Active in Reports: 01/15/2019
Number of Days to Update: 33

Source: Humboldt County Environmental Health
Telephone: N/A
Last EDR Contact: 11/19/2018
Next Scheduled EDR Contact: 03/04/2019
Data Release Frequency: Semi-Annually

IMPERIAL COUNTY:

CUPA IMPERIAL: CUPA Facility List
Cupa facility list.

Date of Government Version: 01/18/2019
Date Data Arrived at EDR: 01/23/2019
Date Made Active in Reports: 03/05/2019
Number of Days to Update: 41

Source: San Diego Border Field Office
Telephone: 760-339-2777
Last EDR Contact: 01/17/2019
Next Scheduled EDR Contact: 05/06/2019
Data Release Frequency: Varies

INYO COUNTY:

CUPA INYO: CUPA Facility List
Cupa facility list.

Date of Government Version: 04/02/2018
Date Data Arrived at EDR: 04/03/2018
Date Made Active in Reports: 06/14/2018
Number of Days to Update: 72

Source: Inyo County Environmental Health Services
Telephone: 760-878-0238
Last EDR Contact: 02/13/2019
Next Scheduled EDR Contact: 06/03/2019
Data Release Frequency: Varies

KERN COUNTY:

UST KERN: Underground Storage Tank Sites & Tank Listing
Kern County Sites and Tanks Listing.

Date of Government Version: 01/28/2019
Date Data Arrived at EDR: 02/07/2019
Date Made Active in Reports: 03/08/2019
Number of Days to Update: 29

Source: Kern County Environment Health Services Department
Telephone: 661-862-8700
Last EDR Contact: 01/31/2019
Next Scheduled EDR Contact: 05/20/2019
Data Release Frequency: Quarterly

KINGS COUNTY:

CUPA KINGS: CUPA Facility List
A listing of sites included in the county's Certified Unified Program Agency database. California's Secretary for Environmental Protection established the unified hazardous materials and hazardous waste regulatory program as required by chapter 6.11 of the California Health and Safety Code. The Unified Program consolidates the administration, permits, inspections, and enforcement activities.

Date of Government Version: 02/14/2019
Date Data Arrived at EDR: 02/19/2019
Date Made Active in Reports: 03/05/2019
Number of Days to Update: 14

Source: Kings County Department of Public Health
Telephone: 559-584-1411
Last EDR Contact: 02/13/2019
Next Scheduled EDR Contact: 06/03/2019
Data Release Frequency: Varies

LAKE COUNTY:

CUPA LAKE: CUPA Facility List
Cupa facility list

Date of Government Version: 02/08/2019
Date Data Arrived at EDR: 02/12/2019
Date Made Active in Reports: 03/12/2019
Number of Days to Update: 28

Source: Lake County Environmental Health
Telephone: 707-263-1164
Last EDR Contact: 01/14/2019
Next Scheduled EDR Contact: 04/29/2019
Data Release Frequency: Varies

LASSEN COUNTY:

CUPA LASSEN: CUPA Facility List
Cupa facility list

Date of Government Version: 01/17/2019
Date Data Arrived at EDR: 01/18/2019
Date Made Active in Reports: 03/05/2019
Number of Days to Update: 46

Source: Lassen County Environmental Health
Telephone: 530-251-8528
Last EDR Contact: 01/17/2019
Next Scheduled EDR Contact: 05/06/2019
Data Release Frequency: Varies

LOS ANGELES COUNTY:

AOCONCERN: Key Areas of Concerns in Los Angeles County
San Gabriel Valley areas where VOC contamination is at or above the MCL as designated by region 9 EPA office. Date of Government Version: 3/30/2009 Exide Site area is a cleanup plan of lead-impacted soil surrounding the former Exide Facility as designated by the DTSC. Date of Government Version: 7/17/2017

Date of Government Version: 03/30/2009
Date Data Arrived at EDR: 03/31/2009
Date Made Active in Reports: 10/23/2009
Number of Days to Update: 206

Source: N/A
Telephone: N/A
Last EDR Contact: 03/18/2019
Next Scheduled EDR Contact: 07/01/2019
Data Release Frequency: No Update Planned

HMS LOS ANGELES: HMS: Street Number List
Industrial Waste and Underground Storage Tank Sites.

Date of Government Version: 12/19/2018
Date Data Arrived at EDR: 01/10/2019
Date Made Active in Reports: 03/07/2019
Number of Days to Update: 56

Source: Department of Public Works
Telephone: 626-458-3517
Last EDR Contact: 01/07/2019
Next Scheduled EDR Contact: 04/22/2019
Data Release Frequency: Semi-Annually

LF LOS ANGELES: List of Solid Waste Facilities
Solid Waste Facilities in Los Angeles County.

Date of Government Version: 01/14/2019
Date Data Arrived at EDR: 01/15/2019
Date Made Active in Reports: 03/07/2019
Number of Days to Update: 51

Source: La County Department of Public Works
Telephone: 818-458-5185
Last EDR Contact: 01/15/2019
Next Scheduled EDR Contact: 04/29/2019
Data Release Frequency: Varies

LF LOS ANGELES CITY: City of Los Angeles Landfills
Landfills owned and maintained by the City of Los Angeles.

Date of Government Version: 01/01/2019
Date Data Arrived at EDR: 01/15/2019
Date Made Active in Reports: 03/07/2019
Number of Days to Update: 51

Source: Engineering & Construction Division
Telephone: 213-473-7869
Last EDR Contact: 01/15/2019
Next Scheduled EDR Contact: 04/29/2019
Data Release Frequency: Varies

SITE MIT LOS ANGELES: Site Mitigation List
Industrial sites that have had some sort of spill or complaint.

Date of Government Version: 01/30/2019
Date Data Arrived at EDR: 02/01/2019
Date Made Active in Reports: 03/07/2019
Number of Days to Update: 34

Source: Community Health Services
Telephone: 323-890-7806
Last EDR Contact: 02/01/2019
Next Scheduled EDR Contact: 04/29/2019
Data Release Frequency: Annually

UST EL SEGUNDO: City of El Segundo Underground Storage Tank
Underground storage tank sites located in El Segundo city.

Date of Government Version: 01/21/2017
Date Data Arrived at EDR: 04/19/2017
Date Made Active in Reports: 05/10/2017
Number of Days to Update: 21

Source: City of El Segundo Fire Department
Telephone: 310-524-2236
Last EDR Contact: 01/14/2019
Next Scheduled EDR Contact: 04/29/2019
Data Release Frequency: Semi-Annually

UST LONG BEACH: City of Long Beach Underground Storage Tank
Underground storage tank sites located in the city of Long Beach.

Date of Government Version: 03/09/2017
Date Data Arrived at EDR: 03/10/2017
Date Made Active in Reports: 05/03/2017
Number of Days to Update: 54

Source: City of Long Beach Fire Department
Telephone: 562-570-2563
Last EDR Contact: 01/17/2019
Next Scheduled EDR Contact: 05/06/2019
Data Release Frequency: Annually

UST TORRANCE: City of Torrance Underground Storage Tank
Underground storage tank sites located in the city of Torrance.

Date of Government Version: 10/02/2018
Date Data Arrived at EDR: 10/05/2018
Date Made Active in Reports: 11/02/2018
Number of Days to Update: 28

Source: City of Torrance Fire Department
Telephone: 310-618-2973
Last EDR Contact: 01/17/2019
Next Scheduled EDR Contact: 05/06/2019
Data Release Frequency: Semi-Annually

MADERA COUNTY:

CUPA MADERA: CUPA Facility List
A listing of sites included in the county's Certified Unified Program Agency database. California's Secretary for Environmental Protection established the unified hazardous materials and hazardous waste regulatory program as required by chapter 6.11 of the California Health and Safety Code. The Unified Program consolidates the administration, permits, inspections, and enforcement activities.

Date of Government Version: 02/20/2019
Date Data Arrived at EDR: 02/22/2019
Date Made Active in Reports: 03/07/2019
Number of Days to Update: 13

Source: Madera County Environmental Health
Telephone: 559-675-7823
Last EDR Contact: 02/15/2019
Next Scheduled EDR Contact: 06/03/2019
Data Release Frequency: Varies

MARIN COUNTY:

UST MARIN: Underground Storage Tank Sites
Currently permitted USTs in Marin County.

Date of Government Version: 09/26/2018
Date Data Arrived at EDR: 10/04/2018
Date Made Active in Reports: 11/02/2018
Number of Days to Update: 29

Source: Public Works Department Waste Management
Telephone: 415-473-6647
Last EDR Contact: 03/29/2019
Next Scheduled EDR Contact: 07/15/2019
Data Release Frequency: Semi-Annually

MERCED COUNTY:

CUPA MERCED: CUPA Facility List
CUPA facility list.

Date of Government Version: 08/29/2018
Date Data Arrived at EDR: 08/31/2018
Date Made Active in Reports: 09/19/2018
Number of Days to Update: 19

Source: Merced County Environmental Health
Telephone: 209-381-1094
Last EDR Contact: 03/18/2019
Next Scheduled EDR Contact: 06/03/2019
Data Release Frequency: Varies

MONO COUNTY:

CUPA MONO: CUPA Facility List
CUPA Facility List

Date of Government Version: 02/21/2019
Date Data Arrived at EDR: 02/26/2019
Date Made Active in Reports: 04/01/2019
Number of Days to Update: 34

Source: Mono County Health Department
Telephone: 760-932-5580
Last EDR Contact: 02/21/2019
Next Scheduled EDR Contact: 06/10/2019
Data Release Frequency: Varies

MONTEREY COUNTY:

CUPA MONTEREY: CUPA Facility Listing
CUPA Program listing from the Environmental Health Division.

Date of Government Version: 02/05/2019
Date Data Arrived at EDR: 02/07/2019
Date Made Active in Reports: 03/05/2019
Number of Days to Update: 26

Source: Monterey County Health Department
Telephone: 831-796-1297
Last EDR Contact: 04/01/2019
Next Scheduled EDR Contact: 07/15/2019
Data Release Frequency: Varies

NAPA COUNTY:

LUST NAPA: Sites With Reported Contamination
A listing of leaking underground storage tank sites located in Napa county.

Date of Government Version: 01/09/2017
Date Data Arrived at EDR: 01/11/2017
Date Made Active in Reports: 03/02/2017
Number of Days to Update: 50

Source: Napa County Department of Environmental Management
Telephone: 707-253-4269
Last EDR Contact: 02/21/2019
Next Scheduled EDR Contact: 06/10/2019
Data Release Frequency: No Update Planned

UST NAPA: Closed and Operating Underground Storage Tank Sites
Underground storage tank sites located in Napa county.

Date of Government Version: 02/21/2019
Date Data Arrived at EDR: 02/22/2019
Date Made Active in Reports: 03/08/2019
Number of Days to Update: 14

Source: Napa County Department of Environmental Management
Telephone: 707-253-4269
Last EDR Contact: 02/21/2019
Next Scheduled EDR Contact: 06/10/2019
Data Release Frequency: No Update Planned

NEVADA COUNTY:

CUPA NEVADA: CUPA Facility List
CUPA facility list.

Date of Government Version: 01/25/2019
Date Data Arrived at EDR: 01/29/2019
Date Made Active in Reports: 03/05/2019
Number of Days to Update: 35

Source: Community Development Agency
Telephone: 530-265-1467
Last EDR Contact: 01/28/2019
Next Scheduled EDR Contact: 05/11/2019
Data Release Frequency: Varies

ORANGE COUNTY:

IND_SITE ORANGE: List of Industrial Site Cleanups
Petroleum and non-petroleum spills.

Date of Government Version: 01/02/2019
Date Data Arrived at EDR: 02/07/2019
Date Made Active in Reports: 03/05/2019
Number of Days to Update: 26

Source: Health Care Agency
Telephone: 714-834-3446
Last EDR Contact: 02/04/2019
Next Scheduled EDR Contact: 05/20/2019
Data Release Frequency: Annually

LUST ORANGE: List of Underground Storage Tank Cleanups
Orange County Underground Storage Tank Cleanups (LUST).

Date of Government Version: 01/02/2019
Date Data Arrived at EDR: 02/08/2019
Date Made Active in Reports: 03/06/2019
Number of Days to Update: 26

Source: Health Care Agency
Telephone: 714-834-3446
Last EDR Contact: 02/04/2019
Next Scheduled EDR Contact: 05/20/2019
Data Release Frequency: Quarterly

UST ORANGE: List of Underground Storage Tank Facilities
Orange County Underground Storage Tank Facilities (UST).

Date of Government Version: 01/02/2019
Date Data Arrived at EDR: 02/05/2019
Date Made Active in Reports: 03/08/2019
Number of Days to Update: 31

Source: Health Care Agency
Telephone: 714-834-3446
Last EDR Contact: 02/05/2019
Next Scheduled EDR Contact: 05/20/2019
Data Release Frequency: Quarterly

PLACER COUNTY:

MS PLACER: Master List of Facilities
List includes aboveground tanks, underground tanks and cleanup sites.

Date of Government Version: 11/29/2018
Date Data Arrived at EDR: 12/04/2018
Date Made Active in Reports: 01/11/2019
Number of Days to Update: 38

Source: Placer County Health and Human Services
Telephone: 530-745-2363
Last EDR Contact: 02/27/2019
Next Scheduled EDR Contact: 06/17/2019
Data Release Frequency: Semi-Annually

PLUMAS COUNTY:

CUPA PLUMAS: CUPA Facility List
Plumas County CUPA Program facilities.

Date of Government Version: 01/14/2019
Date Data Arrived at EDR: 01/18/2019
Date Made Active in Reports: 03/05/2019
Number of Days to Update: 46

Source: Plumas County Environmental Health
Telephone: 530-283-6355
Last EDR Contact: 01/17/2019
Next Scheduled EDR Contact: 05/06/2019
Data Release Frequency: Varies

RIVERSIDE COUNTY:

LUST RIVERSIDE: Listing of Underground Tank Cleanup Sites
Riverside County Underground Storage Tank Cleanup Sites (LUST).

Date of Government Version: 01/29/2019
Date Data Arrived at EDR: 01/31/2019
Date Made Active in Reports: 03/06/2019
Number of Days to Update: 34

Source: Department of Environmental Health
Telephone: 951-358-5055
Last EDR Contact: 03/18/2019
Next Scheduled EDR Contact: 07/01/2019
Data Release Frequency: Quarterly

UST RIVERSIDE: Underground Storage Tank Tank List
Underground storage tank sites located in Riverside county.

Date of Government Version: 01/29/2019
Date Data Arrived at EDR: 01/31/2019
Date Made Active in Reports: 03/08/2019
Number of Days to Update: 36

Source: Department of Environmental Health
Telephone: 951-358-5055
Last EDR Contact: 03/18/2019
Next Scheduled EDR Contact: 07/01/2019
Data Release Frequency: Quarterly

SACRAMENTO COUNTY:

CS SACRAMENTO: Toxic Site Clean-Up List
List of sites where unauthorized releases of potentially hazardous materials have occurred.

Date of Government Version: 11/07/2018
Date Data Arrived at EDR: 01/04/2019
Date Made Active in Reports: 03/05/2019
Number of Days to Update: 60

Source: Sacramento County Environmental Management
Telephone: 916-875-8406
Last EDR Contact: 04/02/2019
Next Scheduled EDR Contact: 07/15/2019
Data Release Frequency: Quarterly

ML SACRAMENTO: Master Hazardous Materials Facility List

Any business that has hazardous materials on site - hazardous material storage sites, underground storage tanks, waste generators.

Date of Government Version: 11/07/2018
Date Data Arrived at EDR: 12/28/2018
Date Made Active in Reports: 03/05/2019
Number of Days to Update: 67

Source: Sacramento County Environmental Management
Telephone: 916-875-8406
Last EDR Contact: 04/02/2019
Next Scheduled EDR Contact: 07/15/2019
Data Release Frequency: Quarterly

SAN BENITO COUNTY:

CUPA SAN BENITO: CUPA Facility List

Cupa facility list

Date of Government Version: 11/15/2018
Date Data Arrived at EDR: 11/16/2018
Date Made Active in Reports: 12/13/2018
Number of Days to Update: 27

Source: San Benito County Environmental Health
Telephone: N/A
Last EDR Contact: 02/27/2019
Next Scheduled EDR Contact: 05/20/2019
Data Release Frequency: Varies

SAN BERNARDINO COUNTY:

PERMITS SAN BERNARDINO: Hazardous Material Permits

This listing includes underground storage tanks, medical waste handlers/generators, hazardous materials handlers, hazardous waste generators, and waste oil generators/handlers.

Date of Government Version: 02/27/2019
Date Data Arrived at EDR: 02/28/2019
Date Made Active in Reports: 04/02/2019
Number of Days to Update: 33

Source: San Bernardino County Fire Department Hazardous Materials Division
Telephone: 909-387-3041
Last EDR Contact: 02/19/2019
Next Scheduled EDR Contact: 05/20/2019
Data Release Frequency: Quarterly

SAN DIEGO COUNTY:

HMMD SAN DIEGO: Hazardous Materials Management Division Database

The database includes: HE58 - This report contains the business name, site address, business phone number, establishment 'H' permit number, type of permit, and the business status. HE17 - In addition to providing the same information provided in the HE58 listing, HE17 provides inspection dates, violations received by the establishment, hazardous waste generated, the quantity, method of storage, treatment/disposal of waste and the hauler, and information on underground storage tanks. Unauthorized Release List - Includes a summary of environmental contamination cases in San Diego County (underground tank cases, non-tank cases, groundwater contamination, and soil contamination are included.)

Date of Government Version: 03/04/2019
Date Data Arrived at EDR: 03/05/2019
Date Made Active in Reports: 04/02/2019
Number of Days to Update: 28

Source: Hazardous Materials Management Division
Telephone: 619-338-2268
Last EDR Contact: 03/05/2019
Next Scheduled EDR Contact: 06/17/2019
Data Release Frequency: Quarterly

LF SAN DIEGO: Solid Waste Facilities
San Diego County Solid Waste Facilities.

Date of Government Version: 04/18/2018
Date Data Arrived at EDR: 04/24/2018
Date Made Active in Reports: 06/19/2018
Number of Days to Update: 56

Source: Department of Health Services
Telephone: 619-338-2209
Last EDR Contact: 01/17/2019
Next Scheduled EDR Contact: 05/06/2019
Data Release Frequency: Varies

SAN DIEGO CO LOP: Local Oversight Program Listing
A listing of all LOP release sites that are or were under the County of San Diego's jurisdiction. Included are closed or transferred cases, open cases, and cases that did not have a case type indicated. The cases without a case type are mostly complaints; however, some of them could be LOP cases.

Date of Government Version: 10/22/2018
Date Data Arrived at EDR: 10/23/2018
Date Made Active in Reports: 11/30/2018
Number of Days to Update: 38

Source: Department of Environmental Health
Telephone: 858-505-6874
Last EDR Contact: 03/06/2019
Next Scheduled EDR Contact: 05/06/2019
Data Release Frequency: Varies

SAN DIEGO CO. SAM: Environmental Case Listing
The listing contains all underground tank release cases and projects pertaining to properties contaminated with hazardous substances that are actively under review by the Site Assessment and Mitigation Program.

Date of Government Version: 03/23/2010
Date Data Arrived at EDR: 06/15/2010
Date Made Active in Reports: 07/09/2010
Number of Days to Update: 24

Source: San Diego County Department of Environmental Health
Telephone: 619-338-2371
Last EDR Contact: 02/27/2019
Next Scheduled EDR Contact: 06/17/2019
Data Release Frequency: No Update Planned

SAN FRANCISCO COUNTY:

LUST SAN FRANCISCO: Local Oversite Facilities
A listing of leaking underground storage tank sites located in San Francisco county.

Date of Government Version: 09/19/2008
Date Data Arrived at EDR: 09/19/2008
Date Made Active in Reports: 09/29/2008
Number of Days to Update: 10

Source: Department Of Public Health San Francisco County
Telephone: 415-252-3920
Last EDR Contact: 01/31/2019
Next Scheduled EDR Contact: 05/20/2019
Data Release Frequency: Quarterly

UST SAN FRANCISCO: Underground Storage Tank Information
Underground storage tank sites located in San Francisco county.

Date of Government Version: 11/05/2018
Date Data Arrived at EDR: 11/06/2018
Date Made Active in Reports: 12/14/2018
Number of Days to Update: 38

Source: Department of Public Health
Telephone: 415-252-3920
Last EDR Contact: 01/31/2019
Next Scheduled EDR Contact: 05/20/2019
Data Release Frequency: Quarterly

SAN JOAQUIN COUNTY:

UST SAN JOAQUIN: San Joaquin Co. UST
A listing of underground storage tank locations in San Joaquin county.

Date of Government Version: 06/22/2018
Date Data Arrived at EDR: 06/26/2018
Date Made Active in Reports: 07/11/2018
Number of Days to Update: 15

Source: Environmental Health Department
Telephone: N/A
Last EDR Contact: 03/18/2019
Next Scheduled EDR Contact: 07/01/2019
Data Release Frequency: Semi-Annually

SAN LUIS OBISPO COUNTY:

CUPA SAN LUIS OBISPO: CUPA Facility List
Cupa Facility List.

Date of Government Version: 02/13/2019
Date Data Arrived at EDR: 02/15/2019
Date Made Active in Reports: 03/14/2019
Number of Days to Update: 27

Source: San Luis Obispo County Public Health Department
Telephone: 805-781-5596
Last EDR Contact: 02/13/2019
Next Scheduled EDR Contact: 06/03/2019
Data Release Frequency: Varies

SAN MATEO COUNTY:

BI SAN MATEO: Business Inventory
List includes Hazardous Materials Business Plan, hazardous waste generators, and underground storage tanks.

Date of Government Version: 12/03/2018
Date Data Arrived at EDR: 12/12/2018
Date Made Active in Reports: 01/15/2019
Number of Days to Update: 34

Source: San Mateo County Environmental Health Services Division
Telephone: 650-363-1921
Last EDR Contact: 03/13/2019
Next Scheduled EDR Contact: 06/24/2019
Data Release Frequency: Annually

LUST SAN MATEO: Fuel Leak List
A listing of leaking underground storage tank sites located in San Mateo county.

Date of Government Version: 12/13/2018
Date Data Arrived at EDR: 12/18/2018
Date Made Active in Reports: 01/23/2019
Number of Days to Update: 36

Source: San Mateo County Environmental Health Services Division
Telephone: 650-363-1921
Last EDR Contact: 03/25/2019
Next Scheduled EDR Contact: 06/24/2019
Data Release Frequency: Semi-Annually

SANTA BARBARA COUNTY:

CUPA SANTA BARBARA: CUPA Facility Listing
CUPA Program Listing from the Environmental Health Services division.

Date of Government Version: 09/08/2011
Date Data Arrived at EDR: 09/09/2011
Date Made Active in Reports: 10/07/2011
Number of Days to Update: 28

Source: Santa Barbara County Public Health Department
Telephone: 805-686-8167
Last EDR Contact: 02/13/2019
Next Scheduled EDR Contact: 06/03/2019
Data Release Frequency: Varies

SANTA CLARA COUNTY:

CUPA SANTA CLARA: Cupa Facility List
Cupa facility list

Date of Government Version: 02/13/2019
Date Data Arrived at EDR: 02/19/2019
Date Made Active in Reports: 03/06/2019
Number of Days to Update: 15

Source: Department of Environmental Health
Telephone: 408-918-1973
Last EDR Contact: 02/13/2019
Next Scheduled EDR Contact: 06/03/2019
Data Release Frequency: Varies

HIST LUST SANTA CLARA: HIST LUST - Fuel Leak Site Activity Report
A listing of open and closed leaking underground storage tanks. This listing is no longer updated by the county. Leaking underground storage tanks are now handled by the Department of Environmental Health.

Date of Government Version: 03/29/2005
Date Data Arrived at EDR: 03/30/2005
Date Made Active in Reports: 04/21/2005
Number of Days to Update: 22

Source: Santa Clara Valley Water District
Telephone: 408-265-2600
Last EDR Contact: 03/23/2009
Next Scheduled EDR Contact: 06/22/2009
Data Release Frequency: No Update Planned

LUST SANTA CLARA: LOP Listing
A listing of leaking underground storage tanks located in Santa Clara county.

Date of Government Version: 03/03/2014
Date Data Arrived at EDR: 03/05/2014
Date Made Active in Reports: 03/18/2014
Number of Days to Update: 13

Source: Department of Environmental Health
Telephone: 408-918-3417
Last EDR Contact: 02/21/2019
Next Scheduled EDR Contact: 06/10/2019
Data Release Frequency: Annually

SAN JOSE HAZMAT: Hazardous Material Facilities
Hazardous material facilities, including underground storage tank sites.

Date of Government Version: 01/30/2019
Date Data Arrived at EDR: 02/01/2019
Date Made Active in Reports: 03/07/2019
Number of Days to Update: 34

Source: City of San Jose Fire Department
Telephone: 408-535-7694
Last EDR Contact: 01/31/2019
Next Scheduled EDR Contact: 05/20/2019
Data Release Frequency: Annually

SANTA CRUZ COUNTY:

CUPA SANTA CRUZ: CUPA Facility List
CUPA facility listing.

Date of Government Version: 01/21/2017
Date Data Arrived at EDR: 02/22/2017
Date Made Active in Reports: 05/23/2017
Number of Days to Update: 90

Source: Santa Cruz County Environmental Health
Telephone: 831-464-2761
Last EDR Contact: 02/13/2019
Next Scheduled EDR Contact: 06/03/2019
Data Release Frequency: Varies

SHASTA COUNTY:

CUPA SHASTA: CUPA Facility List
Cupa Facility List.

Date of Government Version: 06/15/2017
Date Data Arrived at EDR: 06/19/2017
Date Made Active in Reports: 08/09/2017
Number of Days to Update: 51

Source: Shasta County Department of Resource Management
Telephone: 530-225-5789
Last EDR Contact: 02/13/2019
Next Scheduled EDR Contact: 06/03/2019
Data Release Frequency: Varies

SOLANO COUNTY:

LUST SOLANO: Leaking Underground Storage Tanks
A listing of leaking underground storage tank sites located in Solano county.

Date of Government Version: 11/29/2018
Date Data Arrived at EDR: 12/04/2018
Date Made Active in Reports: 01/11/2019
Number of Days to Update: 38

Source: Solano County Department of Environmental Management
Telephone: 707-784-6770
Last EDR Contact: 02/27/2019
Next Scheduled EDR Contact: 06/17/2019
Data Release Frequency: Quarterly

UST SOLANO: Underground Storage Tanks
Underground storage tank sites located in Solano county.

Date of Government Version: 03/05/2019
Date Data Arrived at EDR: 03/07/2019
Date Made Active in Reports: 04/03/2019
Number of Days to Update: 27

Source: Solano County Department of Environmental Management
Telephone: 707-784-6770
Last EDR Contact: 02/27/2019
Next Scheduled EDR Contact: 06/17/2019
Data Release Frequency: Quarterly

SONOMA COUNTY:

CUPA SONOMA: Cupa Facility List
Cupa Facility list

Date of Government Version: 12/21/2018
Date Data Arrived at EDR: 12/27/2018
Date Made Active in Reports: 01/15/2019
Number of Days to Update: 19

Source: County of Sonoma Fire & Emergency Services Department
Telephone: 707-565-1174
Last EDR Contact: 03/25/2019
Next Scheduled EDR Contact: 07/08/2019
Data Release Frequency: Varies

LUST SONOMA: Leaking Underground Storage Tank Sites
A listing of leaking underground storage tank sites located in Sonoma county.

Date of Government Version: 01/08/2019
Date Data Arrived at EDR: 01/10/2019
Date Made Active in Reports: 03/06/2019
Number of Days to Update: 55

Source: Department of Health Services
Telephone: 707-565-6565
Last EDR Contact: 03/25/2019
Next Scheduled EDR Contact: 07/08/2019
Data Release Frequency: Quarterly

STANISLAUS COUNTY:

CUPA STANISLAUS: CUPA Facility List
Cupa facility list

Date of Government Version: 12/11/2018
Date Data Arrived at EDR: 12/13/2018
Date Made Active in Reports: 01/15/2019
Number of Days to Update: 33

Source: Stanislaus County Department of Ennvironmental Protection
Telephone: 209-525-6751
Last EDR Contact: 12/13/2018
Next Scheduled EDR Contact: 04/29/2019
Data Release Frequency: Varies

SUTTER COUNTY:

UST SUTTER: Underground Storage Tanks
Underground storage tank sites located in Sutter county.

Date of Government Version: 02/28/2019
Date Data Arrived at EDR: 03/01/2019
Date Made Active in Reports: 04/03/2019
Number of Days to Update: 33

Source: Sutter County Environmental Health Services
Telephone: 530-822-7500
Last EDR Contact: 02/27/2019
Next Scheduled EDR Contact: 06/17/2019
Data Release Frequency: Semi-Annually

TEHAMA COUNTY:

CUPA TEHAMA: CUPA Facility List
Cupa facilities

Date of Government Version: 12/13/2018
Date Data Arrived at EDR: 12/18/2018
Date Made Active in Reports: 01/15/2019
Number of Days to Update: 28

Source: Tehama County Department of Environmental Health
Telephone: 530-527-8020
Last EDR Contact: 01/31/2019
Next Scheduled EDR Contact: 05/20/2019
Data Release Frequency: Varies

TRINITY COUNTY:

CUPA TRINITY: CUPA Facility List
Cupa facility list

Date of Government Version: 01/18/2019
Date Data Arrived at EDR: 01/23/2019
Date Made Active in Reports: 03/06/2019
Number of Days to Update: 42

Source: Department of Toxic Substances Control
Telephone: 760-352-0381
Last EDR Contact: 01/17/2019
Next Scheduled EDR Contact: 05/06/2019
Data Release Frequency: Varies

TULARE COUNTY:

CUPA TULARE: CUPA Facility List
Cupa program facilities

Date of Government Version: 12/26/2018
Date Data Arrived at EDR: 12/27/2018
Date Made Active in Reports: 01/15/2019
Number of Days to Update: 19

Source: Tulare County Environmental Health Services Division
Telephone: 559-624-7400
Last EDR Contact: 01/31/2019
Next Scheduled EDR Contact: 05/20/2019
Data Release Frequency: Varies

TUOLUMNE COUNTY:

CUPA TUOLUMNE: CUPA Facility List
Cupa facility list

Date of Government Version: 04/23/2018
Date Data Arrived at EDR: 04/25/2018
Date Made Active in Reports: 06/25/2018
Number of Days to Update: 61

Source: Divison of Environmental Health
Telephone: 209-533-5633
Last EDR Contact: 03/18/2019
Next Scheduled EDR Contact: 05/06/2019
Data Release Frequency: Varies

VENTURA COUNTY:

BWT VENTURA: Business Plan, Hazardous Waste Producers, and Operating Underground Tanks
The BWT list indicates by site address whether the Environmental Health Division has Business Plan (B), Waste Producer (W), and/or Underground Tank (T) information.

Date of Government Version: 12/26/2018
Date Data Arrived at EDR: 01/24/2019
Date Made Active in Reports: 02/28/2019
Number of Days to Update: 35

Source: Ventura County Environmental Health Division
Telephone: 805-654-2813
Last EDR Contact: 01/22/2019
Next Scheduled EDR Contact: 05/06/2019
Data Release Frequency: Quarterly

LF VENTURA: Inventory of Illegal Abandoned and Inactive Sites
Ventura County Inventory of Closed, Illegal Abandoned, and Inactive Sites.

Date of Government Version: 12/01/2011
Date Data Arrived at EDR: 12/01/2011
Date Made Active in Reports: 01/19/2012
Number of Days to Update: 49

Source: Environmental Health Division
Telephone: 805-654-2813
Last EDR Contact: 03/29/2019
Next Scheduled EDR Contact: 07/15/2019
Data Release Frequency: Annually

LUST VENTURA: Listing of Underground Tank Cleanup Sites
Ventura County Underground Storage Tank Cleanup Sites (LUST).

Date of Government Version: 05/29/2008
Date Data Arrived at EDR: 06/24/2008
Date Made Active in Reports: 07/31/2008
Number of Days to Update: 37

Source: Environmental Health Division
Telephone: 805-654-2813
Last EDR Contact: 02/07/2019
Next Scheduled EDR Contact: 05/27/2019
Data Release Frequency: Quarterly

MED WASTE VENTURA: Medical Waste Program List
To protect public health and safety and the environment from potential exposure to disease causing agents, the Environmental Health Division Medical Waste Program regulates the generation, handling, storage, treatment and disposal of medical waste throughout the County.

Date of Government Version: 12/26/2018
Date Data Arrived at EDR: 01/24/2019
Date Made Active in Reports: 03/07/2019
Number of Days to Update: 42

Source: Ventura County Resource Management Agency
Telephone: 805-654-2813
Last EDR Contact: 01/22/2019
Next Scheduled EDR Contact: 05/06/2019
Data Release Frequency: Quarterly

UST VENTURA: Underground Tank Closed Sites List
Ventura County Operating Underground Storage Tank Sites (UST)/Underground Tank Closed Sites List.

Date of Government Version: 02/26/2019
Date Data Arrived at EDR: 03/13/2019
Date Made Active in Reports: 04/03/2019
Number of Days to Update: 21

Source: Environmental Health Division
Telephone: 805-654-2813
Last EDR Contact: 03/13/2019
Next Scheduled EDR Contact: 06/24/2019
Data Release Frequency: Quarterly

YOLO COUNTY:

UST YOLO: Underground Storage Tank Comprehensive Facility Report
Underground storage tank sites located in Yolo county.

Date of Government Version: 12/26/2018
Date Data Arrived at EDR: 01/03/2019
Date Made Active in Reports: 01/16/2019
Number of Days to Update: 13

Source: Yolo County Department of Health
Telephone: 530-666-8646
Last EDR Contact: 03/29/2019
Next Scheduled EDR Contact: 07/15/2019
Data Release Frequency: Annually

YUBA COUNTY:

CUPA YUBA: CUPA Facility List
CUPA facility listing for Yuba County.

Date of Government Version: 02/08/2019
Date Data Arrived at EDR: 02/12/2019
Date Made Active in Reports: 03/06/2019
Number of Days to Update: 22

Source: Yuba County Environmental Health Department
Telephone: 530-749-7523
Last EDR Contact: 01/28/2019
Next Scheduled EDR Contact: 05/11/2019
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: 02/11/2019
Date Data Arrived at EDR: 02/12/2019
Date Made Active in Reports: 03/04/2019
Number of Days to Update: 20

Source: Department of Energy & Environmental Protection
Telephone: 860-424-3375
Last EDR Contact: 02/12/2019
Next Scheduled EDR Contact: 05/27/2019
Data Release Frequency: No Update Planned

NJ MANIFEST: Manifest Information
Hazardous waste manifest information.

Date of Government Version: 12/31/2017
Date Data Arrived at EDR: 07/13/2018
Date Made Active in Reports: 08/01/2018
Number of Days to Update: 19

Source: Department of Environmental Protection
Telephone: N/A
Last EDR Contact: 01/07/2019
Next Scheduled EDR Contact: 04/22/2019
Data Release Frequency: Annually

NY MANIFEST: Facility and Manifest Data
Manifest is a document that lists and tracks hazardous waste from the generator through transporters to a TSD facility.

Date of Government Version: 01/01/2019
Date Data Arrived at EDR: 01/30/2019
Date Made Active in Reports: 02/14/2019
Number of Days to Update: 15

Source: Department of Environmental Conservation
Telephone: 518-402-8651
Last EDR Contact: 01/30/2019
Next Scheduled EDR Contact: 05/11/2019
Data Release Frequency: Quarterly

PA MANIFEST: Manifest Information
Hazardous waste manifest information.

Date of Government Version: 12/31/2017
Date Data Arrived at EDR: 10/23/2018
Date Made Active in Reports: 11/27/2018
Number of Days to Update: 35

Source: Department of Environmental Protection
Telephone: 717-783-8990
Last EDR Contact: 01/11/2019
Next Scheduled EDR Contact: 04/29/2019
Data Release Frequency: Annually

RI MANIFEST: Manifest information
Hazardous waste manifest information

Date of Government Version: 12/31/2017
Date Data Arrived at EDR: 02/23/2018
Date Made Active in Reports: 04/09/2018
Number of Days to Update: 45

Source: Department of Environmental Management
Telephone: 401-222-2797
Last EDR Contact: 02/19/2019
Next Scheduled EDR Contact: 06/03/2019
Data Release Frequency: Annually

WI MANIFEST: Manifest Information
Hazardous waste manifest information.

Date of Government Version: 12/31/2017
Date Data Arrived at EDR: 06/15/2018
Date Made Active in Reports: 07/09/2018
Number of Days to Update: 24

Source: Department of Natural Resources
Telephone: N/A
Last EDR Contact: 03/11/2019
Next Scheduled EDR Contact: 06/24/2019
Data Release Frequency: Annually

Oil/Gas Pipelines
Source: PennWell Corporation
Petroleum Bundle (Crude Oil, Refined Products, Petrochemicals, Gas Liquids (LPG/NGL), and Specialty Gases (Miscellaneous)) N = Natural Gas Bundle (Natural Gas, Gas Liquids (LPG/NGL), and Specialty Gases (Miscellaneous)). This map includes information copyrighted by PennWell Corporation. This information is provided on a best effort basis and PennWell Corporation does not guarantee its accuracy nor warrant its fitness for any particular purpose. Such information has been reprinted with the permission of PennWell.

Electric Power Transmission Line Data
Source: PennWell Corporation
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Sensitive Receptors: There are individuals deemed sensitive receptors due to their fragile immune systems and special sensitivity to environmental discharges. These sensitive receptors typically include the elderly, the sick, and children. While the location of all sensitive receptors cannot be determined, EDR indicates those buildings and facilities - schools, daycares, hospitals, medical centers, and nursing homes - where individuals who are sensitive receptors are likely to be located.

AHA Hospitals:
Source: American Hospital Association, Inc.
Telephone: 312-280-5991
The database includes a listing of hospitals based on the American Hospital Association's annual survey of hospitals.

Medical Centers: Provider of Services Listing
Source: Centers for Medicare & Medicaid Services
Telephone: 410-786-3000
A listing of hospitals with Medicare provider number, produced by Centers of Medicare & Medicaid Services, a federal agency within the U.S. Department of Health and Human Services.

Nursing Homes
Source: National Institutes of Health
Telephone: 301-594-6248
Information on Medicare and Medicaid certified nursing homes in the United States.

Public Schools
Source: National Center for Education Statistics
Telephone: 202-502-7300
The National Center for Education Statistics' primary database on elementary and secondary public education in the United States. It is a comprehensive, annual, national statistical database of all public elementary and secondary schools and school districts, which contains data that are comparable across all states.

Private Schools
Source: National Center for Education Statistics
Telephone: 202-502-7300
The National Center for Education Statistics' primary database on private school locations in the United States.

Daycare Centers: Licensed Facilities
Source: Department of Social Services
Telephone: 916-657-4041

Flood Zone Data: This data was obtained from the Federal Emergency Management Agency (FEMA). It depicts 100-year and 500-year flood zones as defined by FEMA. It includes the National Flood Hazard Layer (NFHL) which incorporates Flood Insurance Rate Map (FIRM) data and Q3 data from FEMA in areas not covered by NFHL.
Source: FEMA
Telephone: 877-336-2627
Date of Government Version: 2003, 2015

NWI: National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002, 2005 and 2010 from the U.S. Fish and Wildlife Service.

State Wetlands Data: Wetland Inventory
Source: Department of Fish and Wildlife
Telephone: 916-445-0411

Current USGS 7.5 Minute Topographic Map
Source: U.S. Geological Survey

STREET AND ADDRESS INFORMATION

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GEOCHECK ®- PHYSICAL SETTING SOURCE ADDENDUM

TARGET PROPERTY ADDRESS

METTLER SITE
7350 WILDFLOWER LANE
BAKERSFIELD, CA 93313

TARGET PROPERTY COORDINATES

Latitude (North):	35.072672 - 35˚ 4' 21.62''
Longitude (West):	118.980213 - 118˚ 58' 48.77''
Universal Tranverse Mercator:	Zone 11
UTM X (Meters):	319445.7
UTM Y (Meters):	3882697.8
Elevation:	494 ft. above sea level

USGS TOPOGRAPHIC MAP

Target Property Map:	5638958 METTLER, CA
Version Date:	2012
West Map:	5639469 COAL OIL CANYON, CA
Version Date:	2012

EDR's GeoCheck Physical Setting Source Addendum is provided to assist the environmental professional in forming an opinion about the impact of potential contaminant migration.

Assessment of the impact of contaminant migration generally has two principle investigative components:

1. Groundwater flow direction, and
2. Groundwater flow velocity.

Groundwater flow direction may be impacted by surface topography, hydrology, hydrogeology, characteristics of the soil, and nearby wells. Groundwater flow velocity is generally impacted by the nature of the geologic strata.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

GROUNDWATER FLOW DIRECTION INFORMATION

Groundwater flow direction for a particular site is best determined by a qualified environmental professional using site-specific well data. If such data is not reasonably ascertainable, it may be necessary to rely on other sources of information, such as surface topographic information, hydrologic information, hydrogeologic data collected on nearby properties, and regional groundwater flow information (from deep aquifers).

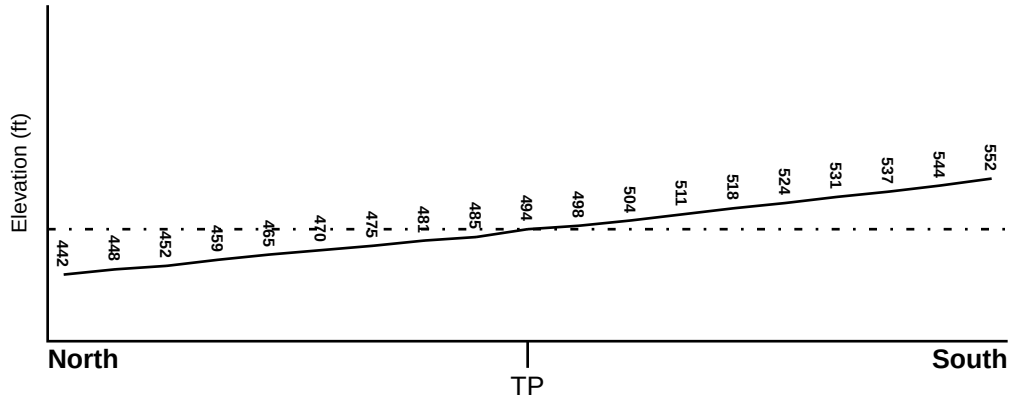
TOPOGRAPHIC INFORMATION

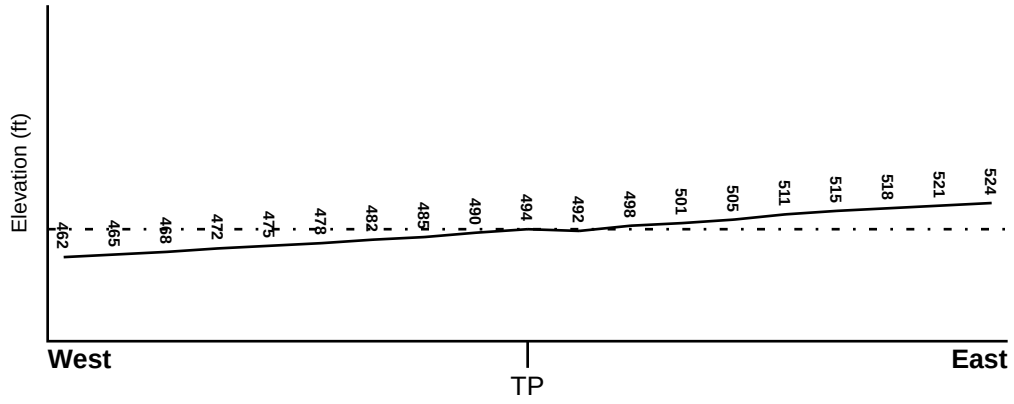
Surface topography may be indicative of the direction of surficial groundwater flow. This information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

TARGET PROPERTY TOPOGRAPHY

General Topographic Gradient: General NNW

SURROUNDING TOPOGRAPHY: ELEVATION PROFILES





Target Property Elevation: 494 ft.

0 1/2 1 Miles

Source: Topography has been determined from the USGS 7.5' Digital Elevation Model and should be evaluated on a relative (not an absolute) basis. Relative elevation information between sites of close proximity should be field verified.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

HYDROLOGIC INFORMATION

Surface water can act as a hydrologic barrier to groundwater flow. Such hydrologic information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

Refer to the Physical Setting Source Map following this summary for hydrologic information (major waterways and bodies of water).

FEMA FLOOD ZONE

Flood Plain Panel at Target Property	FEMA Source Type
06029C3150E	FEMA FIRM Flood data

Additional Panels in search area:	FEMA Source Type
Not Reported	

NATIONAL WETLAND INVENTORY

NWI Quad at Target Property	NWI Electronic Data Coverage
METTLER	YES - refer to the Overview Map and Detail Map

HYDROGEOLOGIC INFORMATION

Hydrogeologic information obtained by installation of wells on a specific site can often be an indicator of groundwater flow direction in the immediate area. Such hydrogeologic information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

Site-Specific Hydrogeological Data*:

Search Radius:	1.25 miles
Status:	Not found

AQUIFLOW®

Search Radius: 1.000 Mile.

EDR has developed the AQUIFLOW Information System to provide data on the general direction of groundwater flow at specific points. EDR has reviewed reports submitted by environmental professionals to regulatory authorities at select sites and has extracted the date of the report, groundwater flow direction as determined hydrogeologically, and the depth to water table.

MAP ID	LOCATION FROM TP	GENERAL DIRECTION GROUNDWATER FLOW
Not Reported		

* ©1996 Site−specific hydrogeological data gathered by CERCLIS Alerts, Inc., Bainbridge Island, WA. All rights reserved. All of the information and opinions presented are those of the cited EPA report(s), which were completed under a Comprehensive Environmental Response Compensation and Liability Information System (CERCLIS) investigation.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

GROUNDWATER FLOW VELOCITY INFORMATION

Groundwater flow velocity information for a particular site is best determined by a qualified environmental professional using site specific geologic and soil strata data. If such data are not reasonably ascertainable, it may be necessary to rely on other sources of information, including geologic age identification, rock stratigraphic unit and soil characteristics data collected on nearby properties and regional soil information. In general, contaminant plumes move more quickly through sandy-gravelly types of soils than silty-clayey types of soils.

GEOLOGIC INFORMATION IN GENERAL AREA OF TARGET PROPERTY

Geologic information can be used by the environmental professional in forming an opinion about the relative speed at which contaminant migration may be occurring.

ROCK STRATIGRAPHIC UNIT

Era:	Cenozoic
System:	Quaternary
Series:	Quaternary
Code:	Q *(decoded above as Era, System & Series)*

GEOLOGIC AGE IDENTIFICATION

Category: Stratifed Sequence

Geologic Age and Rock Stratigraphic Unit Source: P.G. Schruben, R.E. Arndt and W.J. Bawiec, Geology of the Conterminous U.S. at 1:2,500,000 Scale - a digital representation of the 1974 P.B. King and H.M. Beikman Map, USGS Digital Data Series DDS - 11 (1994).

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. Soil maps for STATSGO are compiled by generalizing more detailed (SSURGO) soil survey maps. The following information is based on Soil Conservation Service STATSGO data.

Soil Component Name:	KIMBERLINA
Soil Surface Texture:	fine sandy loam
Hydrologic Group:	Class B - Moderate infiltration rates. Deep and moderately deep, moderately well and well drained soils with moderately coarse textures.
Soil Drainage Class:	Well drained. Soils have intermediate water holding capacity. Depth to water table is more than 6 feet.

Hydric Status: Soil does not meet the requirements for a hydric soil.

Corrosion Potential - Uncoated Steel:	HIGH
Depth to Bedrock Min:	> 60 inches
Depth to Bedrock Max:	> 60 inches

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Soil Layer Information							
	Boundary			Classification			
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil	Permeability Rate (in/hr)	Soil Reaction (pH)
1	0 inches	9 inches	fine sandy loam	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: 6.00 Min: 2.00	Max: 8.40 Min: 6.60
2	9 inches	45 inches	fine sandy loam	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: 6.00 Min: 2.00	Max: 8.40 Min: 7.90
3	45 inches	71 inches	stratified	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	COARSE-GRAINED SOILS, Sands, Sands with fines, Clayey sand. COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 2.00 Min: 0.60	Max: 8.40 Min: 7.90

OTHER SOIL TYPES IN AREA

Based on Soil Conservation Service STATSGO data, the following additional subordinant soil types may appear within the general area of target property.

Soil Surface Textures: sandy loam
clay
clay loam
loamy sand
gravelly - sandy loam

Surficial Soil Types: sandy loam
clay
clay loam
loamy sand
gravelly - sandy loam

Shallow Soil Types: loam
sand
loamy sand

Deeper Soil Types: clay

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

LOCAL / REGIONAL WATER AGENCY RECORDS

EDR Local/Regional Water Agency records provide water well information to assist the environmental professional in assessing sources that may impact ground water flow direction, and in forming an opinion about the impact of contaminant migration on nearby drinking water wells.

WELL SEARCH DISTANCE INFORMATION

DATABASE	SEARCH DISTANCE (miles)
Federal USGS	1.000
Federal FRDS PWS	Nearest PWS within 0.001 miles
State Database	1.000

FEDERAL USGS WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
1	USGS40000160269	1/4 - 1/2 Mile NE
A3	USGS40000160173	1/4 - 1/2 Mile SSW
4	USGS40000160170	1/2 - 1 Mile SSE
B6	USGS40000160295	1/2 - 1 Mile NE
C7	USGS40000160291	1/2 - 1 Mile NW
8	USGS40000160163	1/2 - 1 Mile SSE
C9	USGS40000160296	1/2 - 1 Mile NW
10	USGS40000160280	1/2 - 1 Mile WNW
D13	USGS40000160164	1/2 - 1 Mile SE
E14	USGS40000160354	1/2 - 1 Mile NNW
15	USGS40000160145	1/2 - 1 Mile SSE
17	USGS40000160273	1/2 - 1 Mile ENE
19	USGS40000160281	1/2 - 1 Mile WNW
20	USGS40000160123	1/2 - 1 Mile SSE
F22	USGS40000160294	1/2 - 1 Mile ENE
23	USGS40000160165	1/2 - 1 Mile WSW
24	USGS40000160205	1/2 - 1 Mile West

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

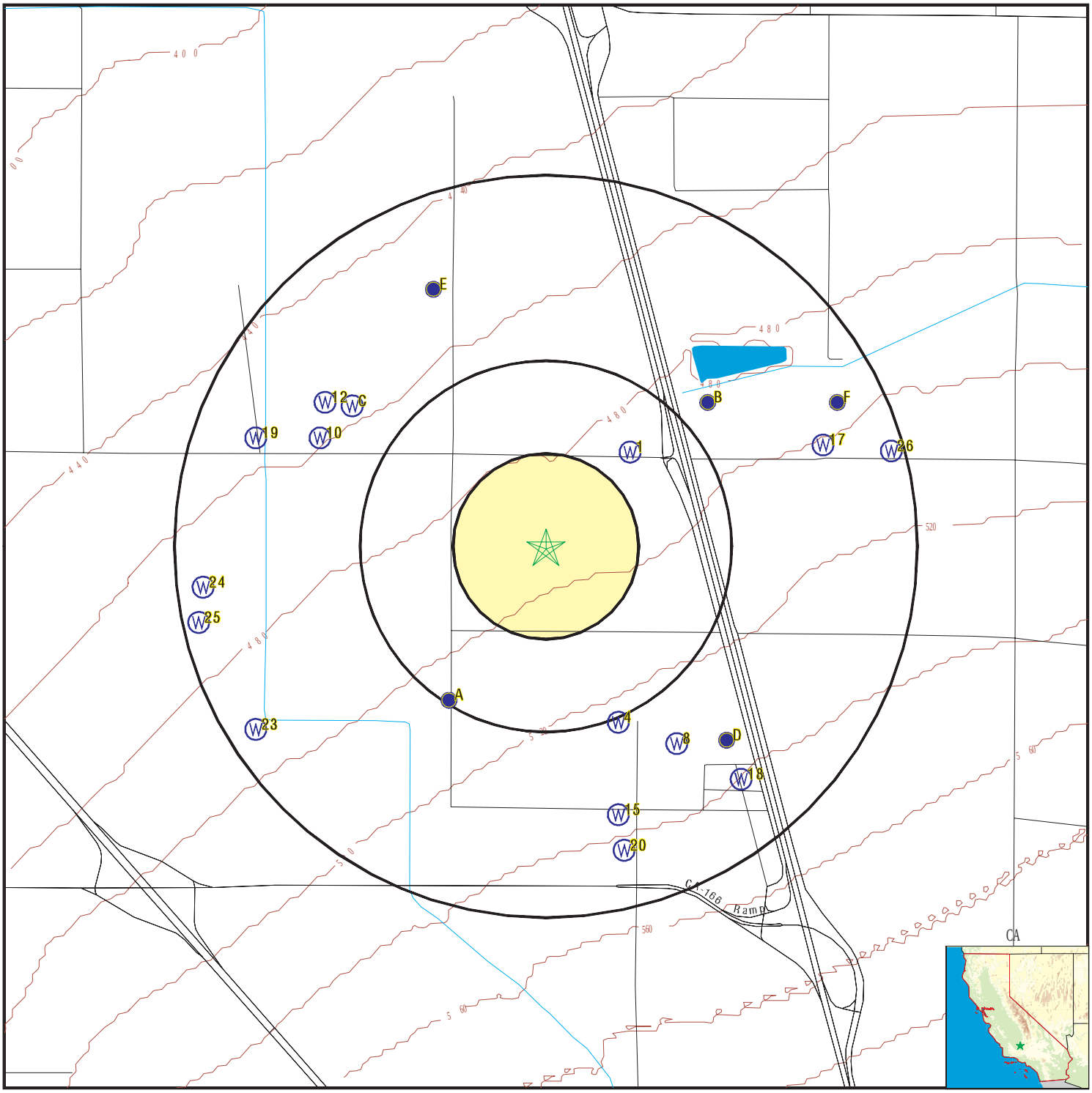
MAP ID	WELL ID	LOCATION FROM TP
A2	CADW60000029568	1/4 - 1/2 Mile SSW
B5	CADW60000025936	1/2 - 1 Mile NE
D11	12328	1/2 - 1 Mile SE
12	CADW60000025934	1/2 - 1 Mile WNW

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

STATE DATABASE WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
E16	CADW60000025933	1/2 - 1 Mile NNW
18	10448	1/2 - 1 Mile SE
F21	CADW60000029295	1/2 - 1 Mile ENE
25	CADW60000002638	1/2 - 1 Mile WSW
26	CADW60000008384	1/2 - 1 Mile ENE

PHYSICAL SETTING SOURCE MAP - 5612530.2s



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

0 1/4 1/2 1 Miles

Groundwater Flow Direction
GI Indeterminate Groundwater Flow at Location
GV Groundwater Flow Varies at Location
HD Closest Hydrogeological Data
Oil, gas or related wells

N

SITE NAME: Mettler Site	CLIENT: ANALYTICAL ENVIRONMENTAL SERVICES
ADDRESS: 7350 Wildflower Lane Bakersfield CA 93313	CONTACT: Sam Schoevaars
LAT/LONG: 35.072672 / 118.980213	INQUIRY #: 5612530.2s
	DATE: April 05, 2019 9:35 am

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Map ID Direction Distance Elevation	Database	EDR ID Number
1 **NE** **1/4 - 1/2 Mile** **Lower**	**FED USGS**	**USGS40000160269**

Organization ID:	USGS-CA		
Organization Name:	USGS California Water Science Center		
Monitor Location:	012N020W35R001S	Type:	Well
Description:	Not Reported	HUC:	18030012
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	Central Valley aquifer system		
Formation Type:	Not Reported	Aquifer Type:	Not Reported
Construction Date:	Not Reported	Well Depth:	Not Reported
Well Depth Units:	Not Reported	Well Hole Depth:	992
Well Hole Depth Units:	ft		

A2 **SSW** **1/4 - 1/2 Mile** **Higher**	**CA WELLS**	**CADW60000029568**

Objectid:	29568	Latitude:	35.0667
Longitude:	-118.9848	Site code:	350667N1189848W001
State well numbe:	11N20W02L001S	Local well name:	'11N20W02L001S'
Well use id:	6	Well use descrip:	Unknown
County id:	15	County name:	Kern
Basin code:	'5-22.14'	Basin desc:	Kern County
Dwr region id:	80237	Dwr region:	South Central Region Office
Site id:	CADW60000029568		

A3 **SSW** **1/4 - 1/2 Mile** **Higher**	**FED USGS**	**USGS40000160173**

Organization ID:	USGS-CA		
Organization Name:	USGS California Water Science Center		
Monitor Location:	011N020W02L001S	Type:	Well
Description:	Not Reported	HUC:	18030012
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	Central Valley aquifer system		
Formation Type:	Not Reported	Aquifer Type:	Not Reported
Construction Date:	19550214	Well Depth:	1003
Well Depth Units:	ft	Well Hole Depth:	1003
Well Hole Depth Units:	ft		

---

4 **SSE** **1/2 - 1 Mile** **Higher**	**FED USGS**	**USGS40000160170**

Organization ID:	USGS-CA
Organization Name:	USGS California Water Science Center

Monitor Location:	011N020W02R001S	Type:	Well
Description:	Not Reported	HUC:	18030012
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	Central Valley aquifer system		
Formation Type:	Not Reported	Aquifer Type:	Not Reported
Construction Date:	19450601	Well Depth:	996
Well Depth Units:	ft	Well Hole Depth:	996
Well Hole Depth Units:	ft		

Ground water levels,Number of Measurements:	1	Level reading date:	1958-01-31
Feet below surface:	411.50	Feet to sea level:	Not Reported
Note:	Not Reported		

B5
NE
1/2 - 1 Mile
Lower

CA WELLS **CADW60000025936**

Objectid:	25936	Latitude:	35.0783
Longitude:	-118.973	Site code:	350783N1189730W001
State well numbe:	12N20W36P001S	Local well name:	''
Well use id:	6	Well use descrip:	Unknown
County id:	15	County name:	Kern
Basin code:	'5-22.14'	Basin desc:	Kern County
Dwr region id:	80237	Dwr region:	South Central Region Office
Site id:	CADW60000025936		

B6
NE
1/2 - 1 Mile
Lower

FED USGS **USGS40000160295**

Organization ID:	USGS-CA		
Organization Name:	USGS California Water Science Center		
Monitor Location:	012N020W36P001S	Type:	Well
Description:	Not Reported	HUC:	18030012
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	Central Valley aquifer system		
Formation Type:	Not Reported	Aquifer Type:	Not Reported
Construction Date:	Not Reported	Well Depth:	1002
Well Depth Units:	ft	Well Hole Depth:	Not Reported
Well Hole Depth Units:	Not Reported		

Ground water levels,Number of Measurements:	1	Level reading date:	1958-12-07
Feet below surface:	284.00	Feet to sea level:	Not Reported
Note:	Not Reported		

C7
NW
1/2 - 1 Mile
Lower

FED USGS **USGS40000160291**

Organization ID:	USGS-CA		
Organization Name:	USGS California Water Science Center		
Monitor Location:	012N020W35P002S	Type:	Well

Description:	Not Reported	HUC:	18030012
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	Central Valley aquifer system		
Formation Type:	Not Reported	Aquifer Type:	Not Reported
Construction Date:	Not Reported	Well Depth:	988
Well Depth Units:	ft	Well Hole Depth:	Not Reported
Well Hole Depth Units:	Not Reported		

Ground water levels,Number of Measurements:	1	Level reading date:	1945-10-20
Feet below surface:	135.00	Feet to sea level:	Not Reported
Note:	Not Reported		

8
SSE **FED USGS** **USGS40000160163**
1/2 - 1 Mile
Higher

Organization ID:	USGS-CA		
Organization Name:	USGS California Water Science Center		
Monitor Location:	011N020W01P002S	Type:	Well
Description:	Not Reported	HUC:	18030012
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	Central Valley aquifer system		
Formation Type:	Not Reported	Aquifer Type:	Not Reported
Construction Date:	Not Reported	Well Depth:	1001
Well Depth Units:	ft	Well Hole Depth:	Not Reported
Well Hole Depth Units:	Not Reported		

C9
NW **FED USGS** **USGS40000160296**
1/2 - 1 Mile
Lower

Organization ID:	USGS-CA		
Organization Name:	USGS California Water Science Center		
Monitor Location:	012N020W35P001S	Type:	Well
Description:	Not Reported	HUC:	18030012
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	Central Valley aquifer system		
Formation Type:	Not Reported	Aquifer Type:	Not Reported
Construction Date:	Not Reported	Well Depth:	1006
Well Depth Units:	ft	Well Hole Depth:	Not Reported
Well Hole Depth Units:	Not Reported		

Ground water levels,Number of Measurements:	1	Level reading date:	1958-12-06
Feet below surface:	340.40	Feet to sea level:	Not Reported
Note:	Not Reported		

Map ID Direction Distance Elevation	Database	EDR ID Number
10 **WNW** **1/2 - 1 Mile** **Lower**	**FED USGS**	**USGS40000160280**

Organization ID:	USGS-CA		
Organization Name:	USGS California Water Science Center		
Monitor Location:	012N020W35N001S	Type:	Well
Description:	SITE VISIT BY DWR EMPLOYEE-JOHN GASTAN IAN		
HUC:	18030012	Drainage Area:	Not Reported
Drainage Area Units:	Not Reported	Contrib Drainage Area:	Not Reported
Contrib Drainage Area Unts:	Not Reported	Aquifer:	Central Valley aquifer system
Formation Type:	Not Reported	Aquifer Type:	Not Reported
Construction Date:	19861029	Well Depth:	20
Well Depth Units:	ft	Well Hole Depth:	Not Reported
Well Hole Depth Units:	Not Reported		

D11 **SE** **1/2 - 1 Mile** **Higher**	**CA WELLS**	**12328**

Seq:	12328	Prim sta c:	1500401-003
Frds no:	1500401003	County:	15
District:	12	User id:	CYA
System no:	1500401	Water type:	G
Source nam:	WELL 03	Station ty:	WELL/AMBNT/MUN/INTAKE/SUPPLY
Latitude:	350354.1	Longitude:	1185816.6
Precision:	3	Status:	AU
Comment 1:	Not Reported	Comment 2:	Not Reported
Comment 3:	Not Reported	Comment 4:	Not Reported
Comment 5:	Not Reported	Comment 6:	Not Reported
Comment 7:	Not Reported		

System no:	1500401	System nam:	METTLER COUNTY WATER DISTRICT
Hqname:	Not Reported	Address:	P.O. BOX 79345
City:	BAKERSFIELD	State:	CA
Zip:	93381	Zip ext:	Not Reported
Pop serv:	180	Connection:	45
Area serve:	Not Reported		

Sample date:	22-JAN-18	Finding:	2.7
Chemical:	NITRATE (AS N)	Report units:	MG/L
Dlr:	0.4		
Sample date:	18-OCT-17	Finding:	7.7
Chemical:	NITRATE (AS N)	Report units:	MG/L
Dlr:	0.4		
Sample date:	27-DEC-16	Finding:	3.4
Chemical:	NITRATE (AS N)	Report units:	MG/L
Dlr:	0.4		
Sample date:	29-DEC-15	Finding:	4.5
Chemical:	TURBIDITY, LABORATORY	Report units:	NTU
Dlr:	0.1		
Sample date:	29-DEC-15	Finding:	310.

Chemical:	TOTAL DISSOLVED SOLIDS	Report units:	MG/L
Dlr:	0.		
Sample date:	29-DEC-15	Finding:	750.
Chemical:	ZINC	Report units:	UG/L
Dlr:	50.		
Sample date:	29-DEC-15	Finding:	91.
Chemical:	IRON	Report units:	UG/L
Dlr:	100.		
Sample date:	29-DEC-15	Finding:	77.
Chemical:	BARIUM	Report units:	UG/L
Dlr:	100.		
Sample date:	29-DEC-15	Finding:	2.1
Chemical:	ARSENIC	Report units:	UG/L
Dlr:	2.		
Sample date:	29-DEC-15	Finding:	0.81
Chemical:	FLUORIDE (F) (NATURAL-SOURCE)	Report units:	MG/L
Dlr:	0.1		
Sample date:	29-DEC-15	Finding:	48.
Chemical:	SULFATE	Report units:	MG/L
Dlr:	0.5		
Sample date:	29-DEC-15	Finding:	18.
Chemical:	CHLORIDE	Report units:	MG/L
Dlr:	0.		
Sample date:	29-DEC-15	Finding:	7.5
Chemical:	POTASSIUM	Report units:	MG/L
Dlr:	0.		
Sample date:	29-DEC-15	Finding:	47.
Chemical:	SODIUM	Report units:	MG/L
Dlr:	0.		
Sample date:	29-DEC-15	Finding:	13.
Chemical:	MAGNESIUM	Report units:	MG/L
Dlr:	0.		
Sample date:	29-DEC-15	Finding:	45.
Chemical:	CALCIUM	Report units:	MG/L
Dlr:	0.		
Sample date:	29-DEC-15	Finding:	170.
Chemical:	HARDNESS (TOTAL) AS CACO3	Report units:	MG/L
Dlr:	0.		
Sample date:	29-DEC-15	Finding:	0.48
Chemical:	NITRATE (AS N)	Report units:	MG/L
Dlr:	0.4		
Sample date:	29-DEC-15	Finding:	210.
Chemical:	BICARBONATE ALKALINITY	Report units:	MG/L
Dlr:	0.		
Sample date:	29-DEC-15	Finding:	170.
Chemical:	ALKALINITY (TOTAL) AS CACO3	Report units:	MG/L
Dlr:	0.		

Sample date:	29-DEC-15	Finding:	8.13
Chemical:	PH, LABORATORY	Report units:	Not Reported
Dlr:	0.		
Sample date:	29-DEC-15	Finding:	485.
Chemical:	SPECIFIC CONDUCTANCE	Report units:	US
Dlr:	0.		
Sample date:	29-DEC-15	Finding:	5.
Chemical:	COLOR	Report units:	UNITS
Dlr:	0.		
Sample date:	22-DEC-14	Finding:	4.2
Chemical:	NITRATE (AS NO3)	Report units:	MG/L
Dlr:	2.		
Sample date:	30-DEC-13	Finding:	0.33
Chemical:	GROSS ALPHA COUNTING ERROR	Report units:	PCI/L
Dlr:	0.		
Sample date:	30-DEC-13	Finding:	2.32
Chemical:	GROSS ALPHA MDA95	Report units:	PCI/L
Dlr:	0.		
Sample date:	30-DEC-13	Finding:	9.1
Chemical:	NITRATE (AS NO3)	Report units:	MG/L
Dlr:	2.		
Sample date:	03-OCT-12	Finding:	300.
Chemical:	TOTAL DISSOLVED SOLIDS	Report units:	MG/L
Dlr:	0.		
Sample date:	03-OCT-12	Finding:	76.
Chemical:	BARIUM	Report units:	UG/L
Dlr:	100.		
Sample date:	03-OCT-12	Finding:	3.1
Chemical:	ARSENIC	Report units:	UG/L
Dlr:	2.		
Sample date:	03-OCT-12	Finding:	0.75
Chemical:	FLUORIDE (F) (NATURAL-SOURCE)	Report units:	MG/L
Dlr:	0.1		
Sample date:	03-OCT-12	Finding:	46.
Chemical:	SULFATE	Report units:	MG/L
Dlr:	0.5		
Sample date:	03-OCT-12	Finding:	17.
Chemical:	CHLORIDE	Report units:	MG/L
Dlr:	0.		
Sample date:	03-OCT-12	Finding:	7.
Chemical:	POTASSIUM	Report units:	MG/L
Dlr:	0.		
Sample date:	03-OCT-12	Finding:	44.
Chemical:	SODIUM	Report units:	MG/L
Dlr:	0.		
Sample date:	03-OCT-12	Finding:	13.
Chemical:	MAGNESIUM	Report units:	MG/L

Dlr:	0.		
Sample date:	03-OCT-12	Finding:	43.
Chemical:	CALCIUM	Report units:	MG/L
Dlr:	0.		
Sample date:	03-OCT-12	Finding:	160.
Chemical:	HARDNESS (TOTAL) AS CACO3	Report units:	MG/L
Dlr:	0.		
Sample date:	03-OCT-12	Finding:	210.
Chemical:	BICARBONATE ALKALINITY	Report units:	MG/L
Dlr:	0.		
Sample date:	03-OCT-12	Finding:	4.7
Chemical:	NITRATE (AS NO3)	Report units:	MG/L
Dlr:	2.		
Sample date:	03-OCT-12	Finding:	0.14
Chemical:	TURBIDITY, LABORATORY	Report units:	NTU
Dlr:	0.1		
Sample date:	03-OCT-12	Finding:	479.
Chemical:	SPECIFIC CONDUCTANCE	Report units:	US
Dlr:	0.		
Sample date:	03-OCT-12	Finding:	170.
Chemical:	ALKALINITY (TOTAL) AS CACO3	Report units:	MG/L
Dlr:	0.		
Sample date:	03-OCT-12	Finding:	1.
Chemical:	COLOR	Report units:	UNITS
Dlr:	0.		
Sample date:	03-OCT-12	Finding:	8.12
Chemical:	PH, LABORATORY	Report units:	Not Reported
Dlr:	0.		

12
WNW
1/2 - 1 Mile
Lower

CA WELLS **CADW60000025934**

Objectid:	25934	Latitude:	35.0783
Longitude:	-118.9907	Site code:	350783N1189907W001
State well numbe:	12N20W35P001S	Local well name:	''
Well use id:	6	Well use descrip:	Unknown
County id:	15	County name:	Kern
Basin code:	'5-22.14'	Basin desc:	Kern County
Dwr region id:	80237	Dwr region:	South Central Region Office
Site id:	CADW60000025934		

D13
SE
1/2 - 1 Mile
Higher

FED USGS **USGS40000160164**

Organization ID:	USGS-CA		
Organization Name:	USGS California Water Science Center		
Monitor Location:	011N020W01P001S	Type:	Well

Description:	Not Reported	HUC:	18030012
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	Central Valley aquifer system		
Formation Type:	Not Reported	Aquifer Type:	Not Reported
Construction Date:	19480601	Well Depth:	598
Well Depth Units:	ft	Well Hole Depth:	598
Well Hole Depth Units:	ft		

E14
NNW
1/2 - 1 Mile
Lower

FED USGS **USGS40000160354**

Organization ID:	USGS-CA		
Organization Name:	USGS California Water Science Center		
Monitor Location:	012N020W35L001S	Type:	Well
Description:	Not Reported	HUC:	18030012
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	Central Valley aquifer system		
Formation Type:	Not Reported	Aquifer Type:	Not Reported
Construction Date:	19500101	Well Depth:	1000
Well Depth Units:	ft	Well Hole Depth:	1000
Well Hole Depth Units:	ft		

Ground water levels,Number of Measurements:	1	Level reading date:	1952-12-17
Feet below surface:	238.50	Feet to sea level:	Not Reported
Note:	Not Reported		

15
SSE
1/2 - 1 Mile
Higher

FED USGS **USGS40000160145**

Organization ID:	USGS-CA		
Organization Name:	USGS California Water Science Center		
Monitor Location:	011N020W11A001S	Type:	Well
Description:	Not Reported	HUC:	18030012
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	Central Valley aquifer system		
Formation Type:	Not Reported	Aquifer Type:	Not Reported
Construction Date:	Not Reported	Well Depth:	Not Reported
Well Depth Units:	Not Reported	Well Hole Depth:	800
Well Hole Depth Units:	ft		

E16
NNW
1/2 - 1 Mile
Lower

CA WELLS **CADW60000025933**

Objectid:	25933	Latitude:	35.0827
Longitude:	-118.986	Site code:	350827N1189860W001
State well numbe:	12N20W35L001S	Local well name:	”
Well use id:	6	Well use descrip:	Unknown

County id:	15	County name:	Kern
Basin code:	'5-22.14'	Basin desc:	Kern County
Dwr region id:	80237	Dwr region:	South Central Region Office
Site id:	CADW60000025933		

17
ENE
1/2 - 1 Mile
Higher

FED USGS **USGS40000160273**

Organization ID:	USGS-CA		
Organization Name:	USGS California Water Science Center		
Monitor Location:	012N020W36P002S	Type:	Well
Description:	Not Reported	HUC:	18030012
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	Central Valley aquifer system		
Formation Type:	Not Reported	Aquifer Type:	Not Reported
Construction Date:	19580101	Well Depth:	1203
Well Depth Units:	ft	Well Hole Depth:	1203
Well Hole Depth Units:	ft		

18
SE
1/2 - 1 Mile
Higher

CA WELLS **10448**

Seq:	10448	Prim sta c:	11N/20W-01P04 S
Frds no:	1500401001	County:	15
District:	12	User id:	CYA
System no:	1500401	Water type:	G
Source nam:	WELL 01 - DESTROYED	Station ty:	WELL/AMBNT/MUN/INTAKE
Latitude:	350349.0	Longitude:	1185812.0
Precision:	4	Status:	DS
Comment 1:	.056 MI W OF METTLER FRONTAGE RD & .15MI N OF BENJIE WY, METTLER CA		
Comment 2:	Not Reported	Comment 3:	Not Reported
Comment 4:	Not Reported	Comment 5:	Not Reported
Comment 6:	Not Reported	Comment 7:	Not Reported

System no:	1500401	System nam:	METTLER COUNTY WATER DISTRICT
Hqname:	Not Reported	Address:	P.O. BOX 79345
City:	BAKERSFIELD	State:	CA
Zip:	93381	Zip ext:	Not Reported
Pop serv:	180	Connection:	45
Area serve:	Not Reported		

19
WNW
1/2 - 1 Mile
Lower

FED USGS **USGS40000160281**

Organization ID:	USGS-CA		
Organization Name:	USGS California Water Science Center		
Monitor Location:	012N020W34R002S	Type:	Well
Description:	Not Reported	HUC:	18030012
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	Central Valley aquifer system		

Formation Type:	Not Reported	Aquifer Type:	Not Reported
Construction Date:	19500101	Well Depth:	1012
Well Depth Units:	ft	Well Hole Depth:	1014
Well Hole Depth Units:	ft		

Ground water levels,Number of Measurements:	1	Level reading date:	1958-12-06
Feet below surface:	202.00	Feet to sea level:	Not Reported
Note:	Not Reported		

20
SSE
1/2 - 1 Mile
Higher

FED USGS **USGS40000160123**

Organization ID:	USGS-CA		
Organization Name:	USGS California Water Science Center		
Monitor Location:	011N020W11A025	Type:	Well
Description:	Not Reported	HUC:	18030012
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	Central Valley aquifer system		
Formation Type:	Not Reported	Aquifer Type:	Not Reported
Construction Date:	19861105	Well Depth:	20
Well Depth Units:	ft	Well Hole Depth:	Not Reported
Well Hole Depth Units:	Not Reported		

F21
ENE
1/2 - 1 Mile
Higher

CA WELLS **CADW60000029295**

Objectid:	29295	Latitude:	35.0783
Longitude:	-118.9668	Site code:	350783N1189668W001
State well numbe:	12N20W36Q002S	Local well name:	''
Well use id:	6	Well use descrip:	Unknown
County id:	15	County name:	Kern
Basin code:	'5-22.14'	Basin desc:	Kern County
Dwr region id:	80237	Dwr region:	South Central Region Office
Site id:	CADW60000029295		

F22
ENE
1/2 - 1 Mile
Higher

FED USGS **USGS40000160294**

Organization ID:	USGS-CA		
Organization Name:	USGS California Water Science Center		
Monitor Location:	012N020W36Q002S	Type:	Well
Description:	Not Reported	HUC:	18030012
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	Central Valley aquifer system		
Formation Type:	Not Reported	Aquifer Type:	Not Reported
Construction Date:	Not Reported	Well Depth:	1002
Well Depth Units:	ft	Well Hole Depth:	Not Reported
Well Hole Depth Units:	Not Reported		

Ground water levels,Number of Measurements:	1	Level reading date:	1958-12-07
Feet below surface:	196.70	Feet to sea level:	Not Reported
Note:	Not Reported		

23
WSW
1/2 - 1 Mile
Higher

FED USGS **USGS40000160165**

Organization ID:	USGS-CA		
Organization Name:	USGS California Water Science Center		
Monitor Location:	011N020W03R001S	Type:	Well
Description:	Not Reported	HUC:	18030012
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	Central Valley aquifer system		
Formation Type:	Not Reported	Aquifer Type:	Not Reported
Construction Date:	19460101	Well Depth:	990
Well Depth Units:	ft	Well Hole Depth:	998
Well Hole Depth Units:	ft		

24
West
1/2 - 1 Mile
Lower

FED USGS **USGS40000160205**

Organization ID:	USGS-CA		
Organization Name:	USGS California Water Science Center		
Monitor Location:	011N020W03H001S	Type:	Well
Description:	Not Reported	HUC:	18030012
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	Central Valley aquifer system		
Formation Type:	Not Reported	Aquifer Type:	Not Reported
Construction Date:	19510101	Well Depth:	1196
Well Depth Units:	ft	Well Hole Depth:	1196
Well Hole Depth Units:	ft		

25
WSW
1/2 - 1 Mile
Lower

CA WELLS **CADW60000002638**

Objectid:	2638	Latitude:	35.0697
Longitude:	-118.9967	Site code:	350697N1189967W001
State well numbe:	11N20W03H001S	Local well name:	’’
Well use id:	6	Well use descrip:	Unknown
County id:	15	County name:	Kern
Basin code:	’5-22.14’	Basin desc:	Kern County
Dwr region id:	80237	Dwr region:	South Central Region Office
Site id:	CADW60000002638		

Map ID Direction Distance Elevation	Database	EDR ID Number
26 **ENE** **1/2 - 1 Mile** **Higher**	**CA WELLS**	**CADW60000008384**

Objectid:	8384	Latitude:	35.0764
Longitude:	-118.9638	Site code:	350764N1189638W001
State well numbe:	12N20W36Q001S	Local well name:	’’
Well use id:	6	Well use descrip:	Unknown
County id:	15	County name:	Kern
Basin code:	’5-22.14’	Basin desc:	Kern County
Dwr region id:	80237	Dwr region:	South Central Region Office
Site id:	CADW60000008384		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS
RADON

AREA RADON INFORMATION

State Database: CA Radon

Radon Test Results

Zipcode	Num Tests	> 4 pCi/L
93313	12	1

Federal EPA Radon Zone for KERN County: 2

Note: Zone 1 indoor average level > 4 pCi/L.
: Zone 2 indoor average level >= 2 pCi/L and <= 4 pCi/L.
: Zone 3 indoor average level < 2 pCi/L.

Federal Area Radon Information for KERN COUNTY, CA

Number of sites tested: 94

Area	Average Activity	% <4 pCi/L	% 4-20 pCi/L	% >20 pCi/L
Living Area - 1st Floor	1.422 pCi/L	98%	2%	0%
Living Area - 2nd Floor	Not Reported	Not Reported	Not Reported	Not Reported
Basement	Not Reported	Not Reported	Not Reported	Not Reported

PHYSICAL SETTING SOURCE RECORDS SEARCHED

TOPOGRAPHIC INFORMATION

USGS 7.5' Digital Elevation Model (DEM)
Source: United States Geologic Survey
EDR acquired the USGS 7.5' Digital Elevation Model in 2002 and updated it in 2006. The 7.5 minute DEM corresponds to the USGS 1:24,000- and 1:25,000-scale topographic quadrangle maps. The DEM provides elevation data with consistent elevation units and projection.

Current USGS 7.5 Minute Topographic Map
Source: U.S. Geological Survey

HYDROLOGIC INFORMATION

Flood Zone Data: This data was obtained from the Federal Emergency Management Agency (FEMA). It depicts 100-year and 500-year flood zones as defined by FEMA. It includes the National Flood Hazard Layer (NFHL) which incorporates Flood Insurance Rate Map (FIRM) data and Q3 data from FEMA in areas not covered by NFHL.
Source: FEMA
Telephone: 877-336-2627
Date of Government Version: 2003, 2015

NWI: National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002, 2005 and 2010 from the U.S. Fish and Wildlife Service.

State Wetlands Data: Wetland Inventory
Source: Department of Fish and Wildlife
Telephone: 916-445-0411

HYDROGEOLOGIC INFORMATION

AQUIFLOW[R] Information System
Source: EDR proprietary database of groundwater flow information
EDR has developed the AQUIFLOW Information System (AIS) to provide data on the general direction of groundwater flow at specific points. EDR has reviewed reports submitted to regulatory authorities at select sites and has extracted the date of the report, hydrogeologically determined groundwater flow direction and depth to water table information.

GEOLOGIC INFORMATION

Geologic Age and Rock Stratigraphic Unit
Source: P.G. Schruben, R.E. Arndt and W.J. Bawiec, Geology of the Conterminous U.S. at 1:2,500,000 Scale - A digital representation of the 1974 P.B. King and H.M. Beikman Map, USGS Digital Data Series DDS - 11 (1994).

STATSGO: State Soil Geographic Database
Source: Department of Agriculture, Natural Resources Conservation Service (NRCS)
The U.S. Department of Agriculture's (USDA) Natural Resources Conservation Service (NRCS) leads the national Conservation Soil Survey (NCSS) and is responsible for collecting, storing, maintaining and distributing soil survey information for privately owned lands in the United States. A soil map in a soil survey is a representation of soil patterns in a landscape. Soil maps for STATSGO are compiled by generalizing more detailed (SSURGO) soil survey maps.

SSURGO: Soil Survey Geographic Database
Source: Department of Agriculture, Natural Resources Conservation Service (NRCS)
Telephone: 800-672-5559
SSURGO is the most detailed level of mapping done by the Natural Resources Conservation Service, mapping scales generally range from 1:12,000 to 1:63,360. Field mapping methods using national standards are used to construct the soil maps in the Soil Survey Geographic (SSURGO) database. SSURGO digitizing duplicates the original soil survey maps. This level of mapping is designed for use by landowners, townships and county natural resource planning and management.

PHYSICAL SETTING SOURCE RECORDS SEARCHED

LOCAL / REGIONAL WATER AGENCY RECORDS

FEDERAL WATER WELLS

PWS: Public Water Systems
Source: EPA/Office of Drinking Water
Telephone: 202-564-3750
Public Water System data from the Federal Reporting Data System. A PWS is any water system which provides water to at least 25 people for at least 60 days annually. PWSs provide water from wells, rivers and other sources.

PWS ENF: Public Water Systems Violation and Enforcement Data
Source: EPA/Office of Drinking Water
Telephone: 202-564-3750
Violation and Enforcement data for Public Water Systems from the Safe Drinking Water Information System (SDWIS) after August 1995. Prior to August 1995, the data came from the Federal Reporting Data System (FRDS).

USGS Water Wells: USGS National Water Inventory System (NWIS)
This database contains descriptive information on sites where the USGS collects or has collected data on surface water and/or groundwater. The groundwater data includes information on wells, springs, and other sources of groundwater.

STATE RECORDS

Water Well Database
Source: Department of Water Resources
Telephone: 916-651-9648

California Drinking Water Quality Database
Source: Department of Public Health
Telephone: 916-324-2319
The database includes all drinking water compliance and special studies monitoring for the state of California since 1984. It consists of over 3,200,000 individual analyses along with well and water system information.

OTHER STATE DATABASE INFORMATION

California Oil and Gas Well Locations
Source: Department of Conservation
Telephone: 916-323-1779
Oil and Gas well locations in the state.

California Earthquake Fault Lines
Source: California Division of Mines and Geology
The fault lines displayed on EDR's Topographic map are digitized quaternary fault lines prepared in 1975 by the United State Geological Survey. Additional information (also from 1975) regarding activity at specific fault lines comes from California's Preliminary Fault Activity Map prepared by the California Division of Mines and Geology.

RADON

State Database: CA Radon
Source: Department of Public Health
Telephone: 916-210-8558
Radon Database for California

Area Radon Information
Source: USGS
Telephone: 703-356-4020
The National Radon Database has been developed by the U.S. Environmental Protection Agency (USEPA) and is a compilation of the EPA/State Residential Radon Survey and the National Residential Radon Survey. The study covers the years 1986 - 1992. Where necessary data has been supplemented by information collected at private sources such as universities and research institutions.

PHYSICAL SETTING SOURCE RECORDS SEARCHED

EPA Radon Zones
Source: EPA
Telephone: 703-356-4020
Sections 307 & 309 of IRAA directed EPA to list and identify areas of U.S. with the potential for elevated indoor radon levels.

OTHER

Airport Landing Facilities: Private and public use landing facilities
Source: Federal Aviation Administration, 800-457-6656

Epicenters: World earthquake epicenters, Richter 5 or greater
Source: Department of Commerce, National Oceanic and Atmospheric Administration

California Earthquake Fault Lines: The fault lines displayed on EDR's Topographic map are digitized quaternary fault lines, prepared in 1975 by the United State Geological Survey. Additional information (also from 1975) regarding activity at specific fault lines comes from California's Preliminary Fault Activity Map prepared by the California Division of Mines and Geology.

STREET AND ADDRESS INFORMATION

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APPENDIX B

EDR AERIAL PHOTO DECADE PACKAGE

Mettler Site

7350 Wildflower Lane

Bakersfield, CA 93313

Inquiry Number: 5612530.8

April 08, 2019

The EDR Aerial Photo Decade Package

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

EDR Aerial Photo Decade Package

04/08/19

Site Name:

Mettler Site
7350 Wildflower Lane
Bakersfield, CA 93313
EDR Inquiry # 5612530.8

Client Name:

ANALYTICAL ENVIRONMENTAL SERV
1801 7th Street
Sacramento, CA 95811
Contact: Sam Schoevaars

Environmental Data Resources, Inc. (EDR) Aerial Photo Decade Package is a screening tool designed to assist environmental professionals in evaluating potential liability on a target property resulting from past activities. EDR's professional researchers provide digitally reproduced historical aerial photographs, and when available, provide one photo per decade.

Search Results:

Year	***Scale***	***Details***	***Source***
2016	1"=750'	Flight Year: 2016	USDA/NAIP
2012	1"=750'	Flight Year: 2012	USDA/NAIP
2009	1"=750'	Flight Year: 2009	USDA/NAIP
2006	1"=750'	Flight Year: 2006	USDA/NAIP
1992	1"=750'	Acquisition Date: September 16, 1992	USGS/DOQQ
1984	1"=750'	Flight Date: September 25, 1984	USDA
1978	1"=750'	Flight Date: September 30, 1978	USGS
1973	1"=750'	Flight Date: May 01, 1973	USDA
1968	1"=750'	Flight Date: April 21, 1968	USGS
1956	1"=750'	Flight Date: August 16, 1956	USDA
1952	1"=750'	Flight Date: August 20, 1952	USGS
1942	1"=750'	Flight Date: May 31, 1942	USDA
1937	1"=750'	Flight Date: August 01, 1937	USDA

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INQUIRY #: 5612530.8
YEAR: 2016
= 750'
N
EDR

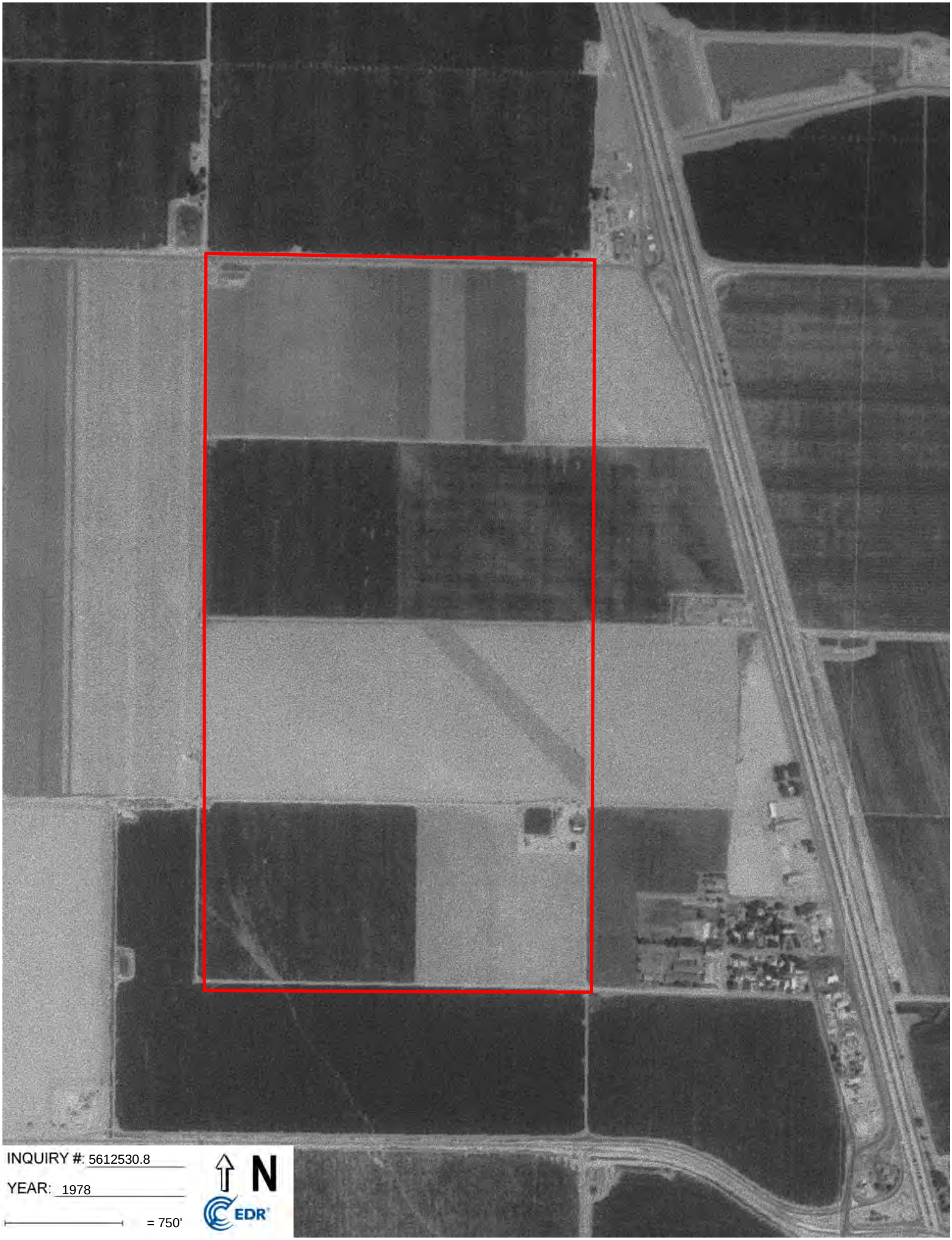
INQUIRY #: 5612530.8
YEAR: 2012
= 750'
N
EDR

INQUIRY #: 5612530.8
YEAR: 2009
= 750'
N
EDR

INQUIRY #: 5612530.8
YEAR: 2006
= 750'
N
EDR

INQUIRY #: 5612530.8
YEAR: 1992
= 750'
N
EDR

INQUIRY #: 5612530.8
YEAR: 1984
= 750'
N
EDR


INQUIRY #: 5612530.8
YEAR: 1978
= 750'
N
EDR

INQUIRY #: 5612530.8
YEAR: 1973
= 750'
N
EDR

INQUIRY #: 5612530.8
YEAR: 1968
= 750'
N
EDR

INQUIRY #: 5612530.8
YEAR: 1956
= 750'
N
EDR

INQUIRY #: 5612530.8
YEAR: 1952
= 750'
N
EDR

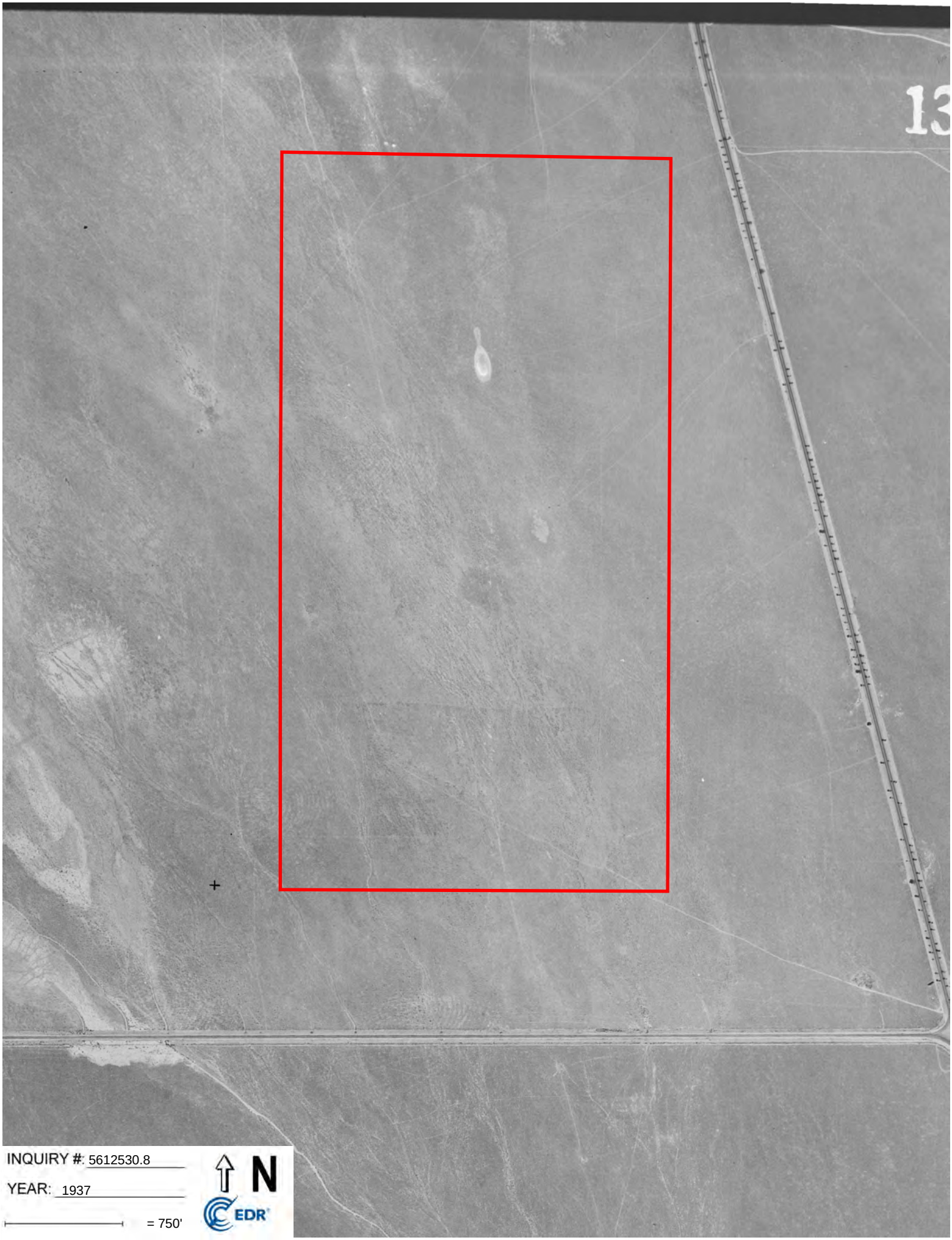
INQUIRY #: 5612530.8

YEAR: 1942

= 750'

N

EDR


13
INQUIRY #: 5612530.8
YEAR: 1937
= 750'
N
EDR

APPENDIX C

EDR HISTORICAL TOPO MAP REPORT WITH QUADMATCH

Mettler Site

7350 Wildflower Lane

Bakersfield, CA 93313

Inquiry Number: 5612530.4

April 05, 2019

EDR Historical Topo Map Report

with QuadMatch™

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

EDR Historical Topo Map Report

04/05/19

Site Name:	Client Name:
Mettler Site	ANALYTICAL ENVIRONMENTAL SERVI
7350 Wildflower Lane	1801 7th Street
Bakersfield, CA 93313	Sacramento, CA 95811
EDR Inquiry # 5612530.4	Contact: Sam Schoevaars

EDR Topographic Map Library has been searched by EDR and maps covering the target property location as provided by ANALYTICAL ENVIRONMENTAL SERVICES were identified for the years listed below. EDR's Historical Topo Map Report is designed to assist professionals in evaluating potential liability on a target property resulting from past activities. EDRs Historical Topo Map Report includes a search of a collection of public and private color historical topographic maps, dating back to the late 1800s.

Search Results:

P.O.# NA

Project: NA

Coordinates:

Latitude:	35.072672 35° 4' 22" North
Longitude:	-118.980213 -118° 58' 49" West
UTM Zone:	Zone 11 North
UTM X Meters:	319449.88
UTM Y Meters:	3882895.39
Elevation:	493.86' above sea level

Maps Provided:

2012	1931
1995	1912, 1914
1973	
1968	
1955	
1950	
1941	
1934	

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Topo Sheet Key

This EDR Topo Map Report is based upon the following USGS topographic map sheets.

2012 Source Sheets

Coal Oil Canyon
2012
7.5-minute, 24000

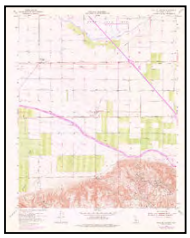
Mettler
2012
7.5-minute, 24000

1995 Source Sheets

Mettler
1995
7.5-minute, 24000
Aerial Photo Revised 1992

1973 Source Sheets

Mettler
1973
7.5-minute, 24000
Aerial Photo Revised 1973



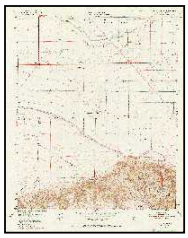
Coal Oil Canyon
1973
7.5-minute, 24000
Aerial Photo Revised 1973

COAL OIL CANYON
1973
7.5-minute, 24000

1968 Source Sheets

Coal Oil Canyon
1968
7.5-minute, 24000
Aerial Photo Revised 1968

Mettler
1968
7.5-minute, 24000
Aerial Photo Revised 1968



COAL OIL CANYON
1968
7.5-minute, 24000

Topo Sheet Key

This EDR Topo Map Report is based upon the following USGS topographic map sheets.

1955 Source Sheets

Mettler
1955
7.5-minute, 24000
Aerial Photo Revised 1952

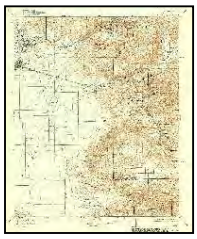
Coal Oil Canyon
1955
7.5-minute, 24000
Aerial Photo Revised 1952

1950 Source Sheets

Coal Oil Canyon
1950
7.5-minute, 24000

METTLER
1950
7.5-minute, 24000

1941 Source Sheets



CALIENTE
1941
30-minute, 125000

1934 Source Sheets

West of Tejon Hills
1934
7.5-minute, 24000

Topo Sheet Key

This EDR Topo Map Report is based upon the following USGS topographic map sheets.

1931 Source Sheets

West of Tejon Hills
1931
7.5-minute, 31680

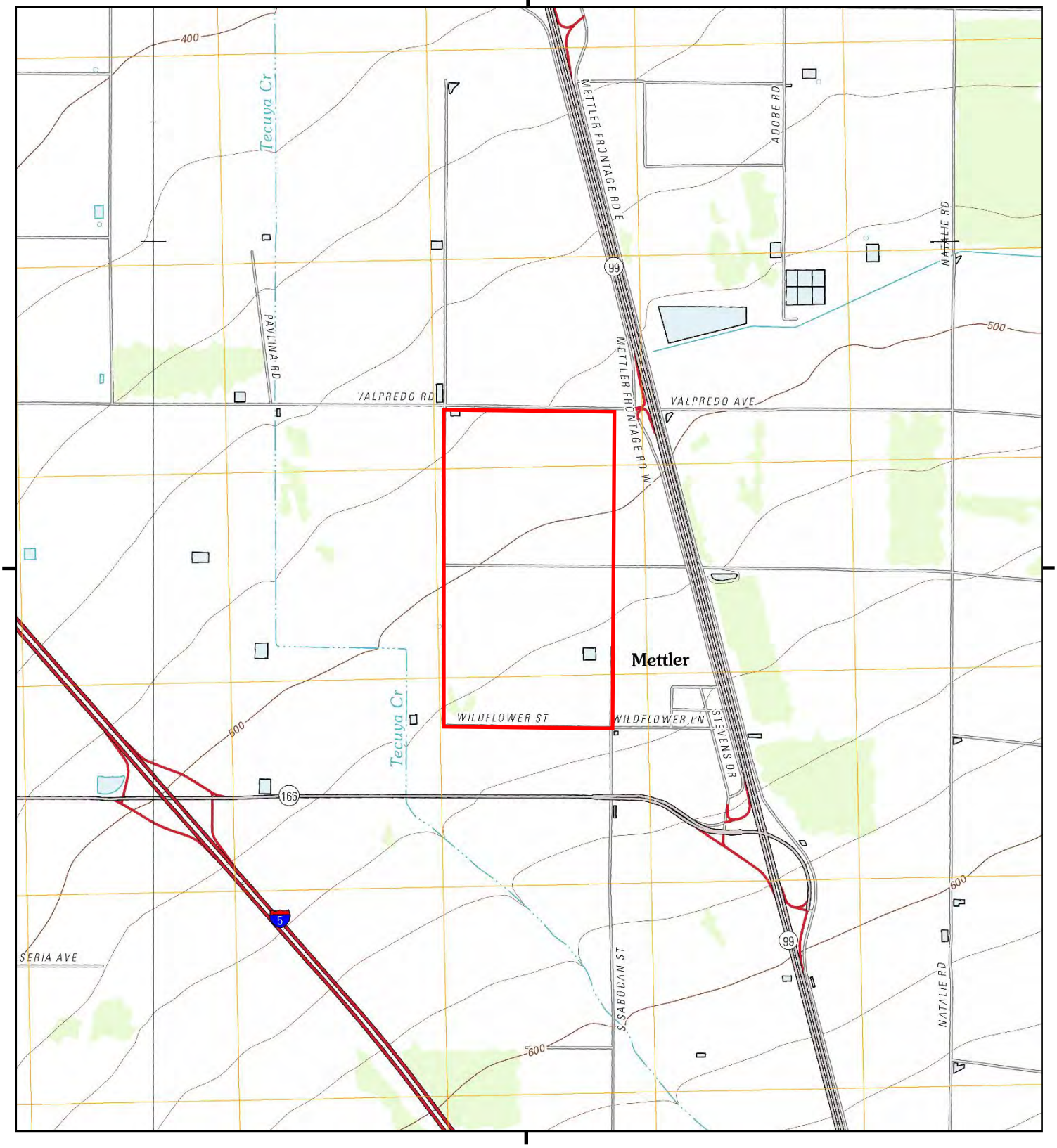
1912, 1914 Source Sheets

Buena Vista Lake
1912
30-minute, 125000

Caliente
1914
30-minute, 125000

Historical Topo Map

2012



This report includes information from the following map sheet(s).

0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

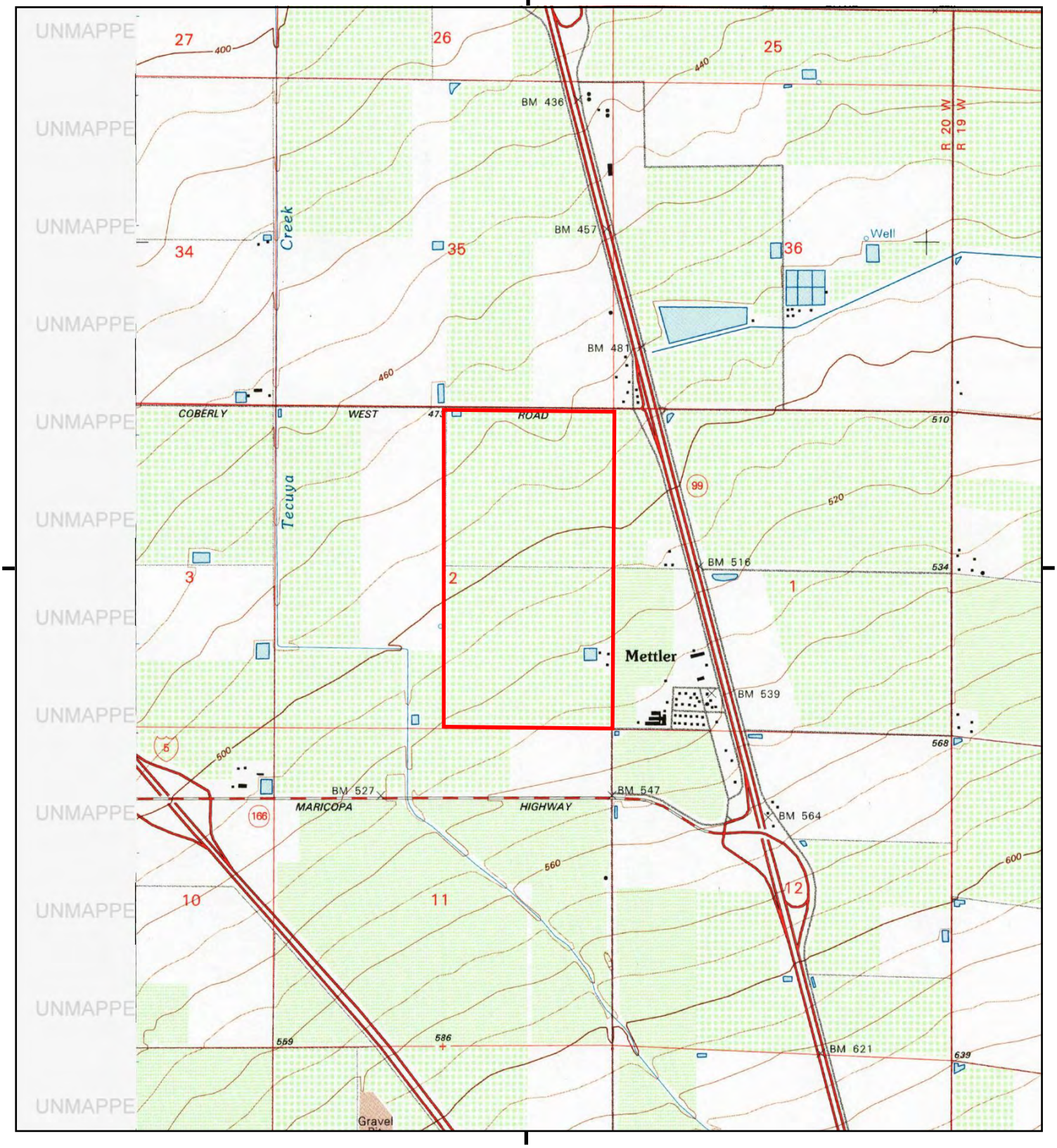
TP, Mettler, 2012, 7.5-minute
W, Coal Oil Canyon, 2012, 7.5-minute

SITE NAME: Mettler Site
ADDRESS: 7350 Wildflower Lane
Bakersfield, CA 93313
CLIENT: ANALYTICAL ENVIRONMENTAL SERVI

N

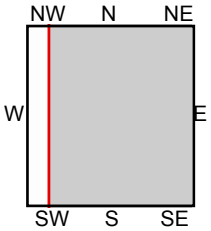
Historical Topo Map

1995



This report includes information from the following map sheet(s).

0 Miles 0.25 0.5 1 1.5



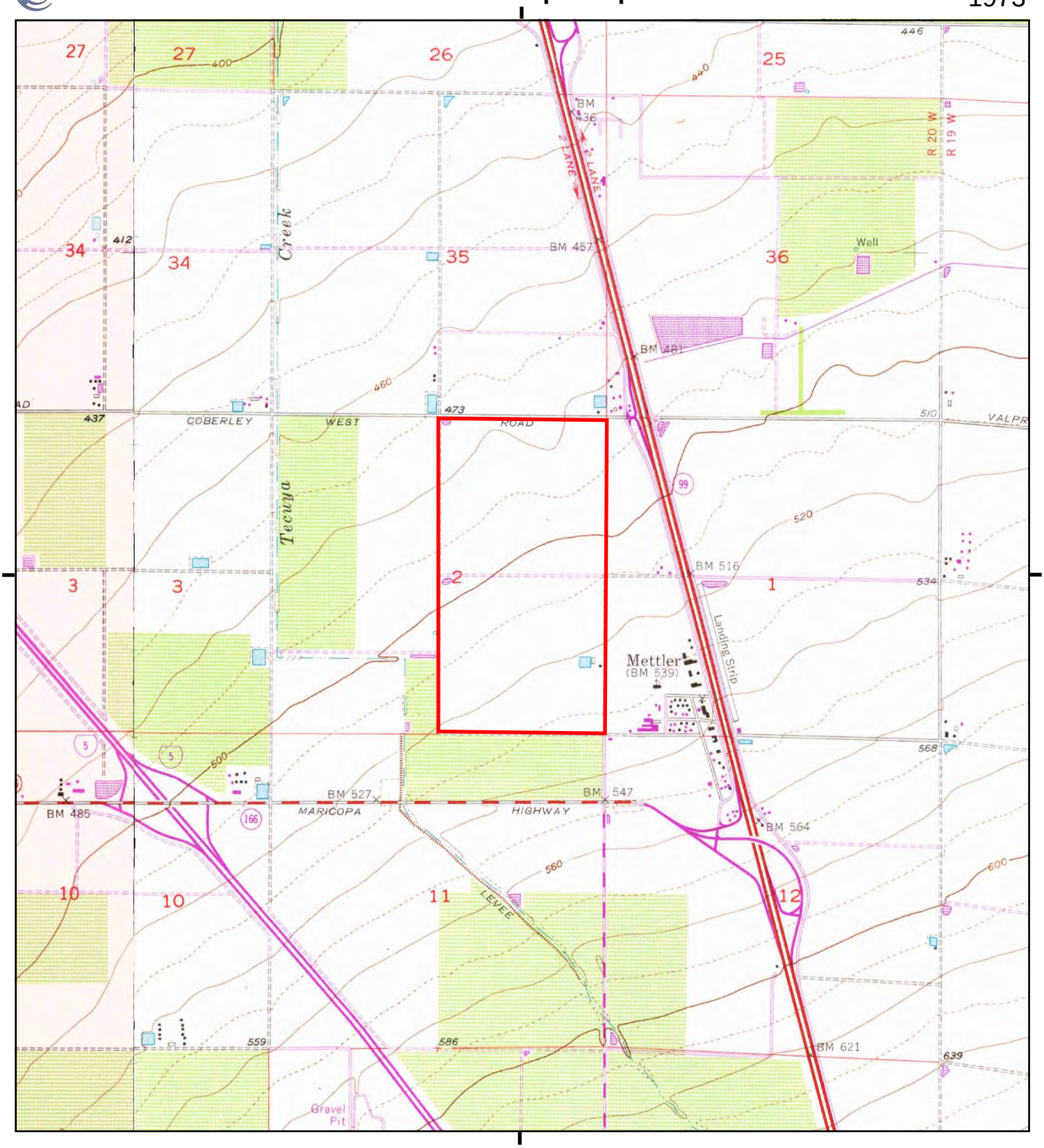
TP, Mettler, 1995, 7.5-minute

SITE NAME: Mettler Site
ADDRESS: 7350 Wildflower Lane
Bakersfield, CA 93313
CLIENT: ANALYTICAL ENVIRONMENTAL SERVI

N

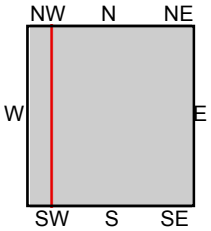
Historical Topo Map

1973



This report includes information from the following map sheet(s).

0 Miles 0.25 0.5 1 1.5



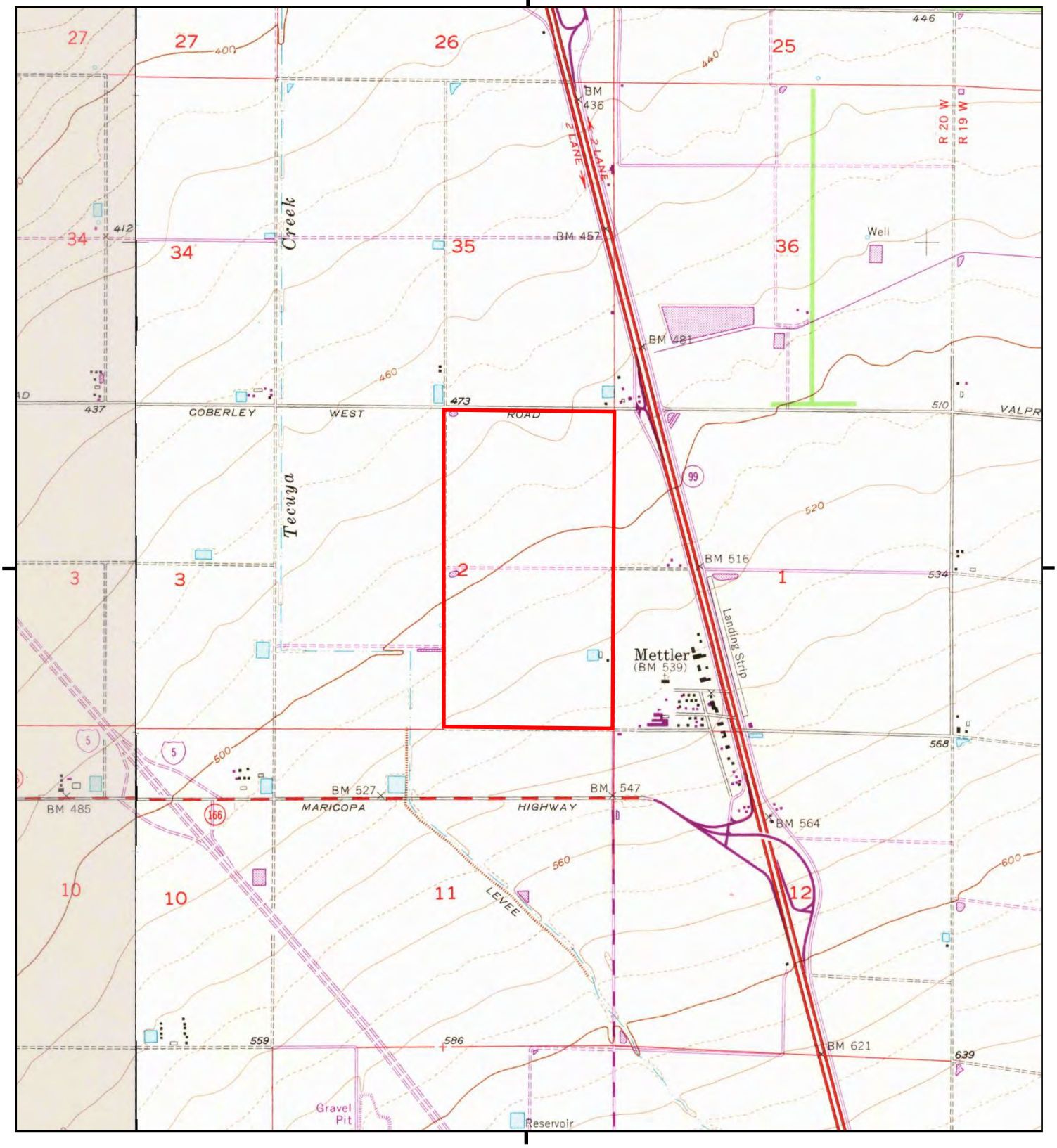
TP, Mettler, 1973, 7.5-minute
W, Coal Oil Canyon, 1973, 7.5-minute
W, COAL OIL CANYON, 1973, 7.5-minute

SITE NAME: Mettler Site
ADDRESS: 7350 Wildflower Lane
Bakersfield, CA 93313
CLIENT: ANALYTICAL ENVIRONMENTAL SERVI

N

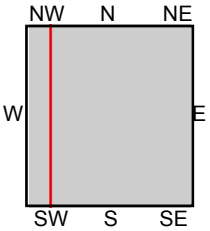
Historical Topo Map

1968



This report includes information from the following map sheet(s).

0 Miles 0.25 0.5 1 1.5



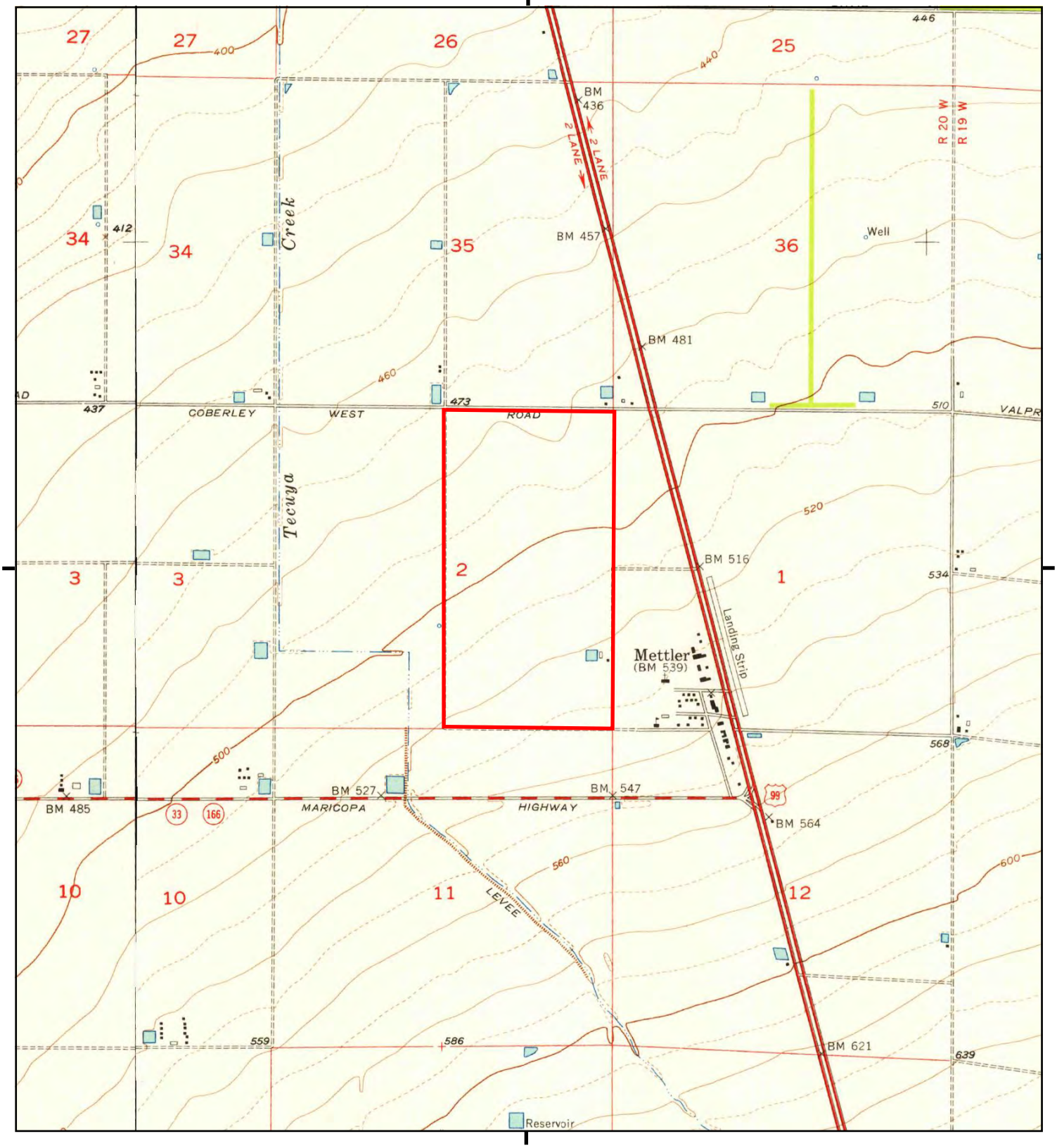
TP, Mettler, 1968, 7.5-minute
W, Coal Oil Canyon, 1968, 7.5-minute
W, COAL OIL CANYON, 1968, 7.5-minute

SITE NAME: Mettler Site
ADDRESS: 7350 Wildflower Lane
Bakersfield, CA 93313
CLIENT: ANALYTICAL ENVIRONMENTAL SERVI

N

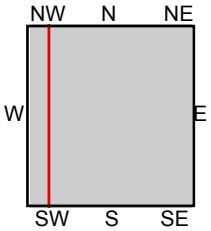
Historical Topo Map

1955



This report includes information from the following map sheet(s).

0 Miles 0.25 0.5 1 1.5



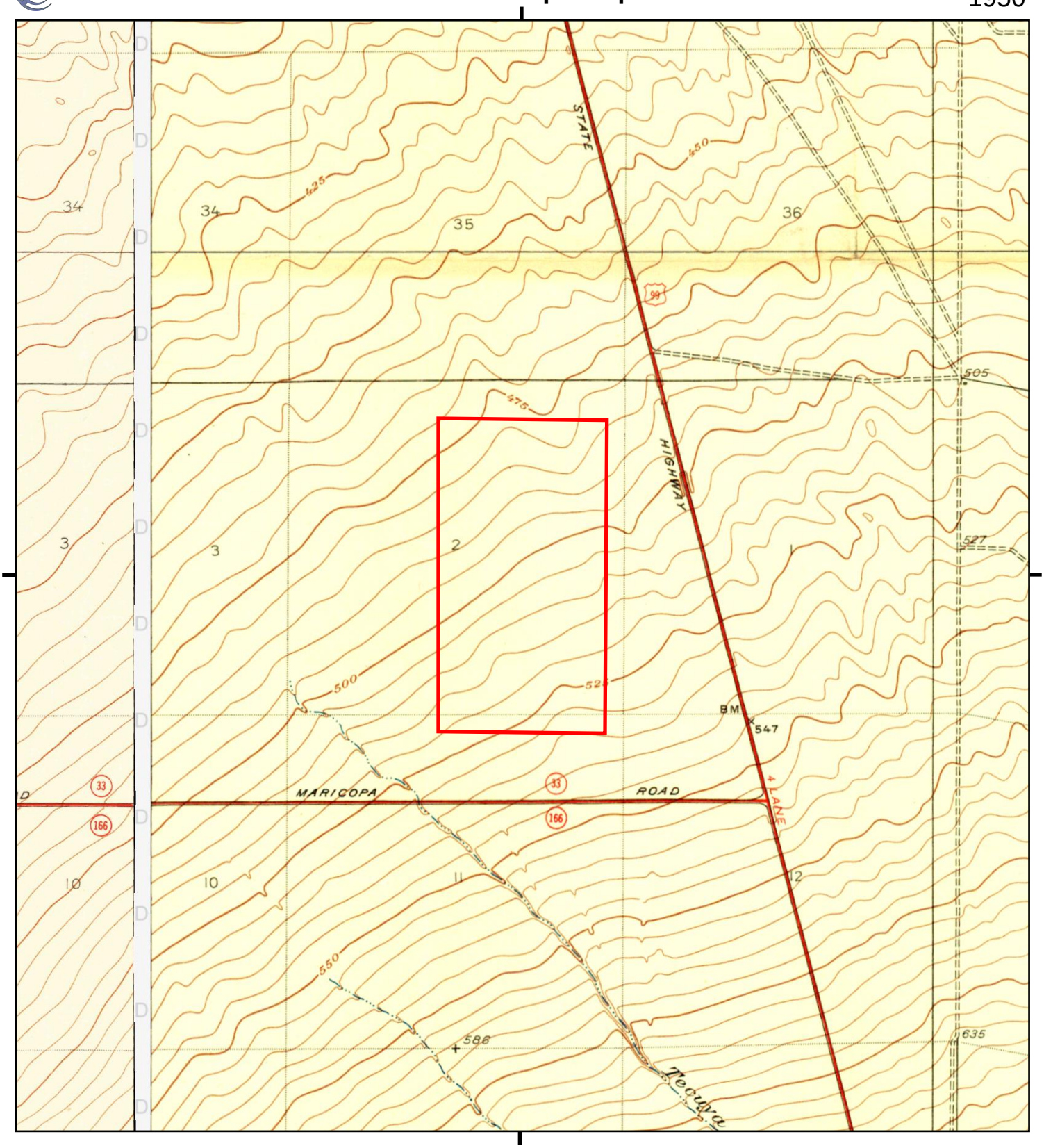
TP, Mettler, 1955, 7.5-minute
W, Coal Oil Canyon, 1955, 7.5-minute

SITE NAME: Mettler Site
ADDRESS: 7350 Wildflower Lane
Bakersfield, CA 93313
CLIENT: ANALYTICAL ENVIRONMENTAL SERVI

N

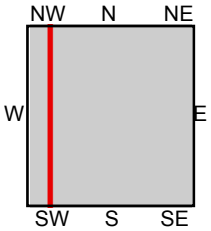
Historical Topo Map

1950



This report includes information from the following map sheet(s).

0 Miles 0.25 0.5 1 1.5



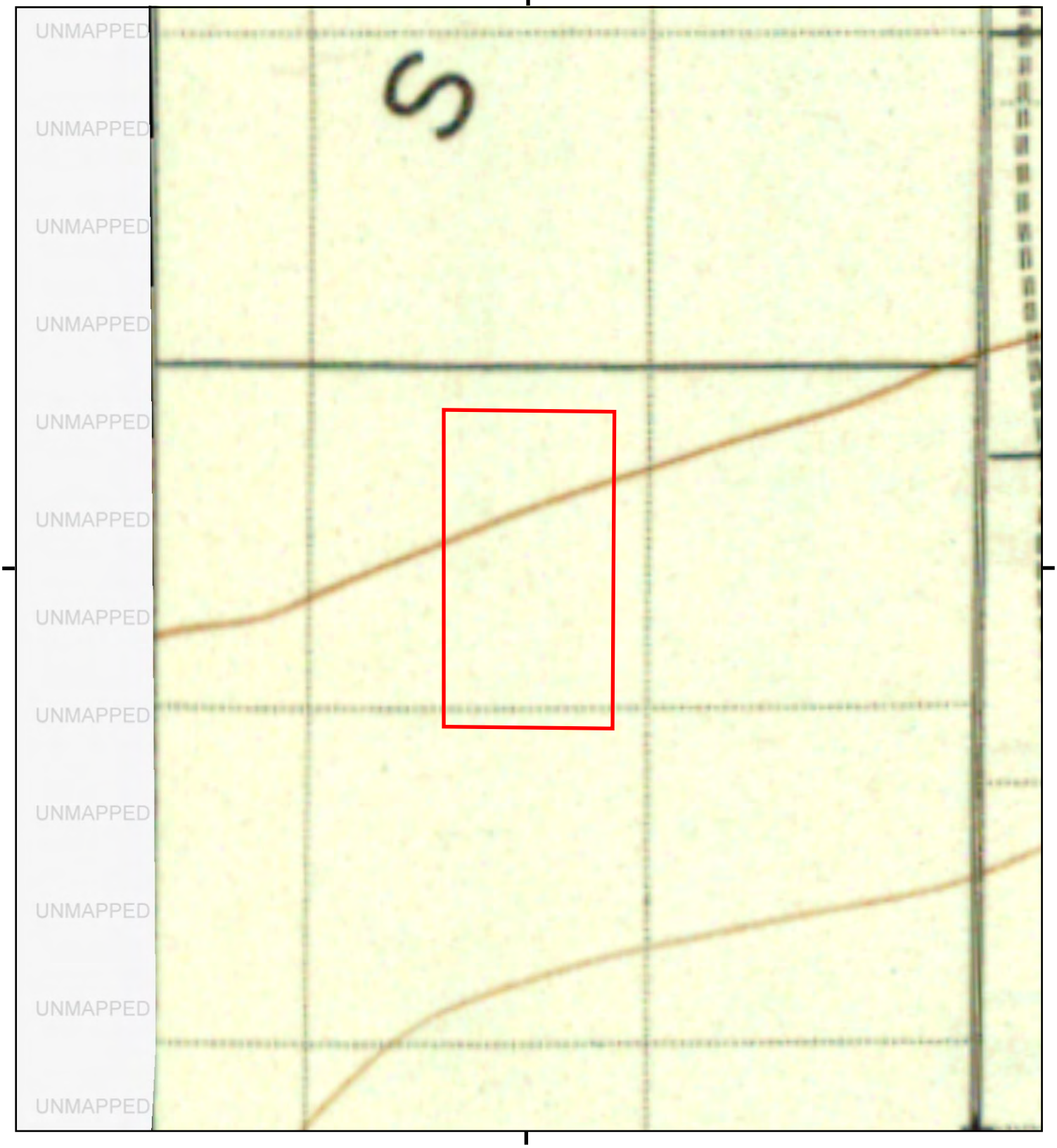
TP, METTLER, 1950, 7.5-minute
W, Coal Oil Canyon, 1950, 7.5-minute

SITE NAME: Mettler Site
ADDRESS: 7350 Wildflower Lane
Bakersfield, CA 93313
CLIENT: ANALYTICAL ENVIRONMENTAL SERVI

N

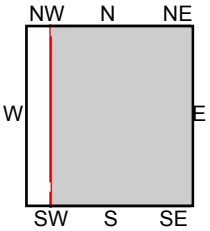
Historical Topo Map

1941



This report includes information from the following map sheet(s).

0 Miles 0.25 0.5 1 1.5



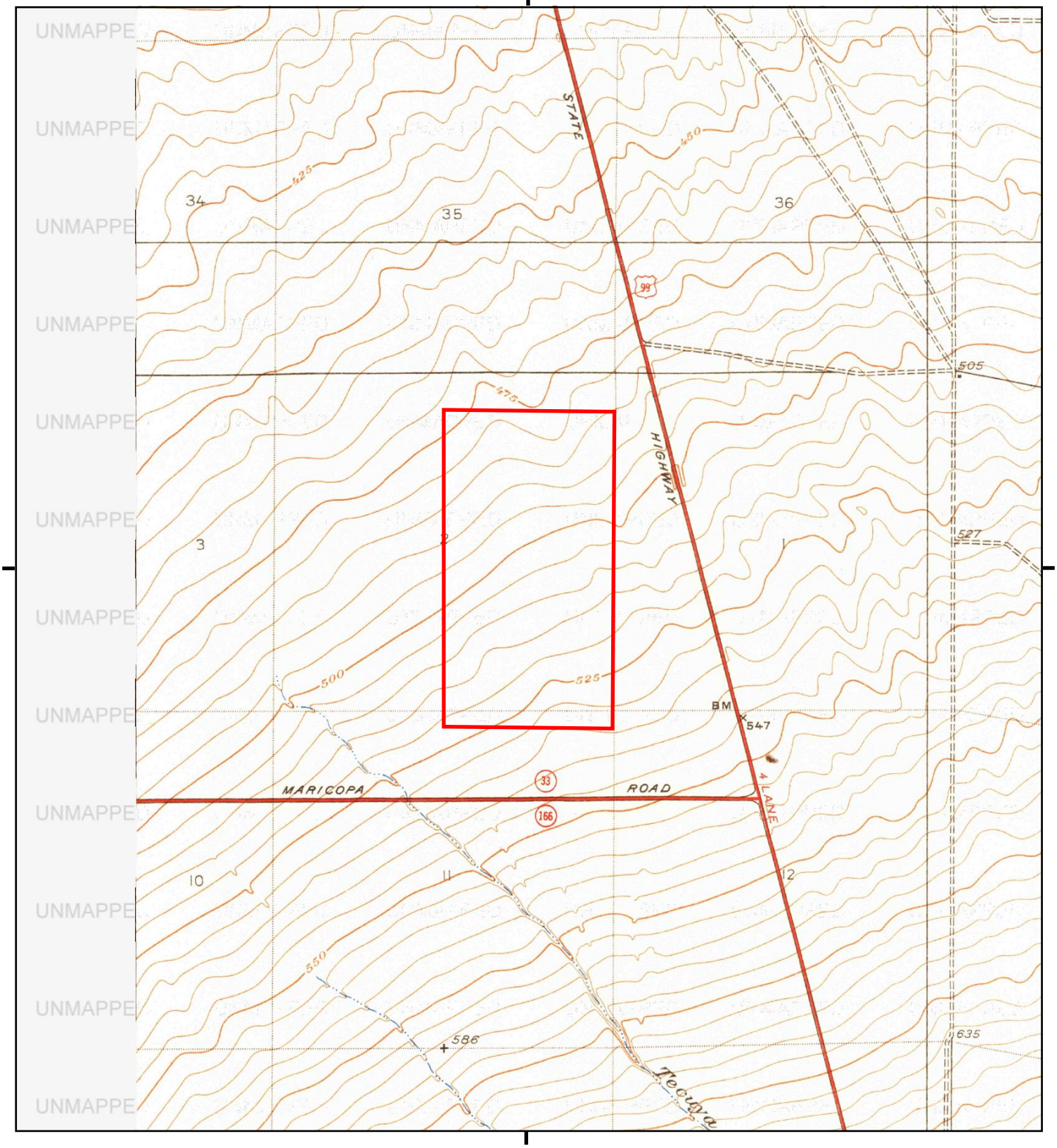
TP, CALIENTE, 1941, 30-minute

SITE NAME: Mettler Site
ADDRESS: 7350 Wildflower Lane
Bakersfield, CA 93313
CLIENT: ANALYTICAL ENVIRONMENTAL SERVI

N

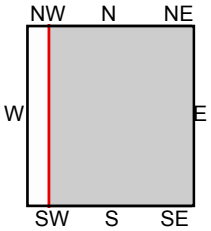
Historical Topo Map

1934



This report includes information from the following map sheet(s).

0 Miles 0.25 0.5 1 1.5



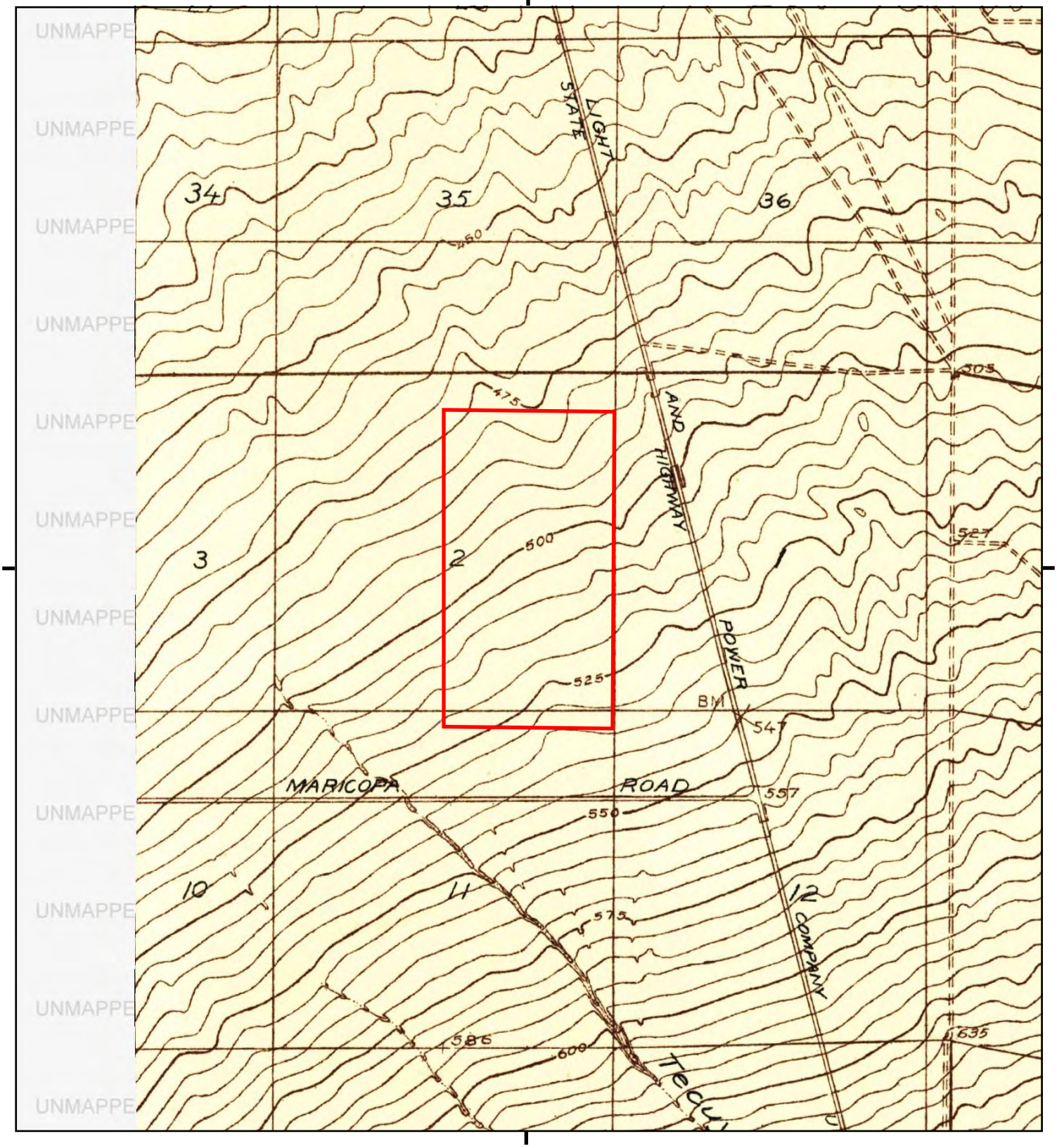
TP, West of Tejon Hills, 1934, 7.5-minute

SITE NAME: Mettler Site
ADDRESS: 7350 Wildflower Lane
Bakersfield, CA 93313
CLIENT: ANALYTICAL ENVIRONMENTAL SERVI

N

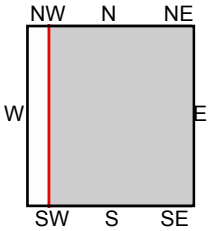
Historical Topo Map

1931



This report includes information from the following map sheet(s).

0 Miles 0.25 0.5 1 1.5



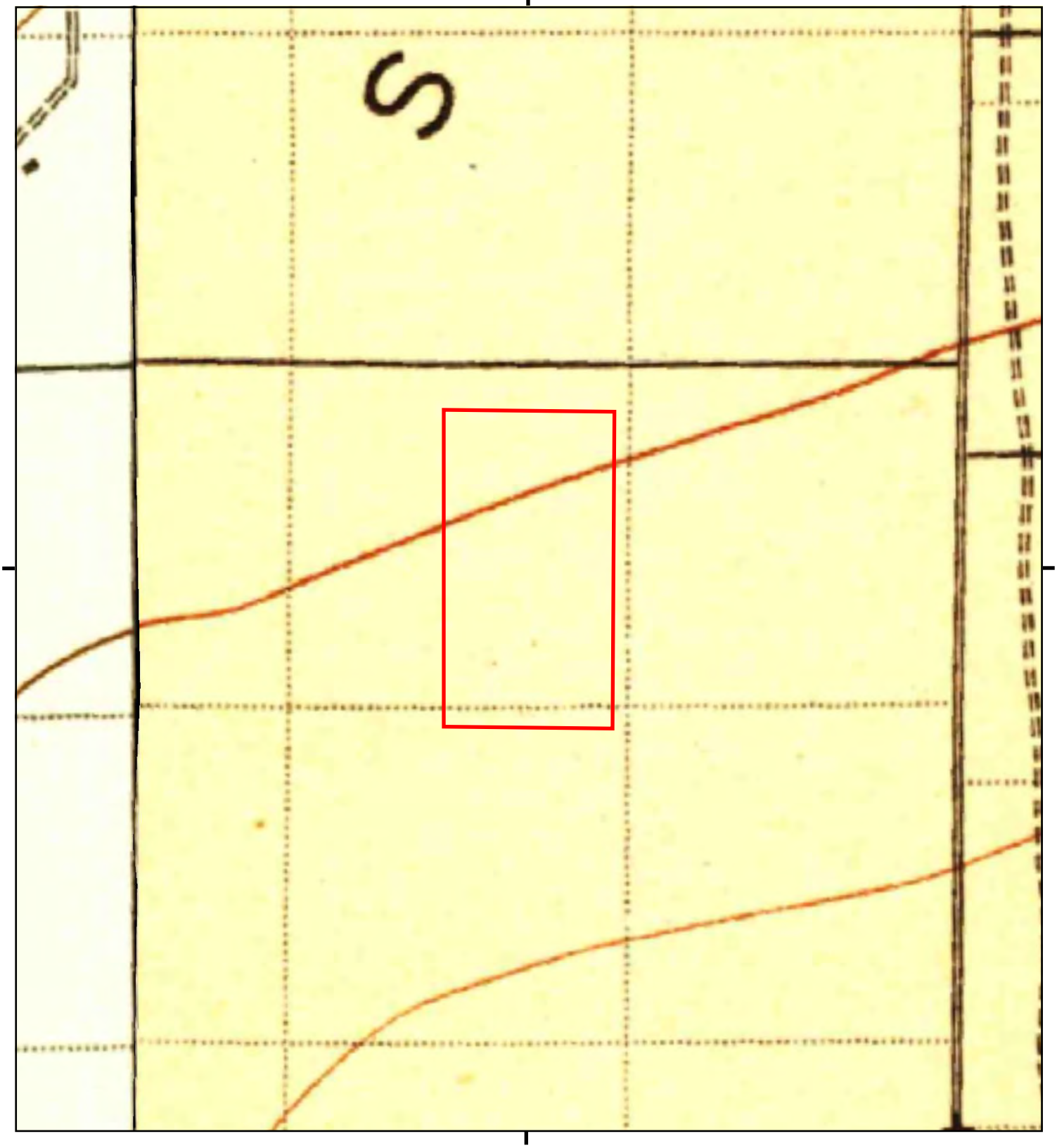
TP, West of Tejon Hills, 1931, 7.5-minute

SITE NAME: Mettler Site
ADDRESS: 7350 Wildflower Lane
Bakersfield, CA 93313
CLIENT: ANALYTICAL ENVIRONMENTAL SERVI

N

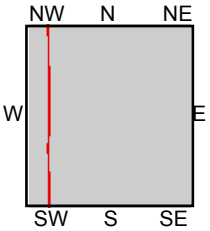
Historical Topo Map

1912, 1914



This report includes information from the following map sheet(s).

0 Miles 0.25 0.5 1 1.5



TP, Caliente, 1914, 30-minute
NW, Buena Vista Lake, 1912, 30-minute

SITE NAME: Mettler Site
ADDRESS: 7350 Wildflower Lane
Bakersfield, CA 93313
CLIENT: ANALYTICAL ENVIRONMENTAL SERVI

N

APPENDIX D

CERTIFIED SANBORN MAP REPORT

Mettler Site

7350 Wildflower Lane

Bakersfield, CA 93313

Inquiry Number: 5612530.3

April 05, 2019

Certified Sanborn® Map Report

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

Certified Sanborn® Map Report

04/05/19

Site Name:	Client Name:
Mettler Site	ANALYTICAL ENVIRONMENTAL SERVI(
7350 Wildflower Lane	1801 7th Street
Bakersfield, CA 93313	Sacramento, CA 95811
EDR Inquiry # 5612530.3	Contact: Sam Schoevaars

The Sanborn Library has been searched by EDR and maps covering the target property location as provided by ANALYTICAL ENVIRONMENTAL SERVICES were identified for the years listed below. The Sanborn Library is the largest, most complete collection of fire insurance maps. The collection includes maps from Sanborn, Bromley, Perris & Browne, Hopkins, Barlow, and others. Only Environmental Data Resources Inc. (EDR) is authorized to grant rights for commercial reproduction of maps by the Sanborn Library LLC, the copyright holder for the collection. Results can be authenticated by visiting www.edrnet.com/sanborn.

The Sanborn Library is continually enhanced with newly identified map archives. This report accesses all maps in the collection as of the day this report was generated.

Certified Sanborn Results:

Certification # 33AB-4124-9CA9

PO # NA

Project NA

UNMAPPED PROPERTY

This report certifies that the complete holdings of the Sanborn Library, LLC collection have been searched based on client supplied target property information, and fire insurance maps covering the target property were not found.

Sanborn® Library search results

Certification #: 33AB-4124-9CA9

The Sanborn Library includes more than 1.2 million fire insurance maps from Sanborn, Bromley, Perris & Browne, Hopkins, Barlow and others which track historical property usage in approximately 12,000 American cities and towns. Collections searched:

- ✔ Library of Congress
- ✔ University Publications of America
- ✔ EDR Private Collection

The Sanborn Library LLC Since 1866™

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APPENDIX E

EDR-CITY DIRECTORY ABSTRACT

Mettler Site
7350 Wildflower Lane
Bakersfield, CA 93313

Inquiry Number: 5612530.5
April 05, 2019

The EDR-City Directory Abstract

Environmental Data Resources Inc

6 Armstrong Road
Shelton, CT 06484
800.352.0050
www.edrnet.com

TABLE OF CONTENTS

SECTION

Executive Summary

Findings

City Directory Images

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

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EXECUTIVE SUMMARY

DESCRIPTION

Environmental Data Resources, Inc.'s (EDR) City Directory Abstract is a screening tool designed to assist environmental professionals in evaluating potential liability on a target property resulting from past activities. EDR's City Directory Abstract includes a search and abstract of available city directory data. For each address, the directory lists the name of the corresponding occupant at five year intervals.

Business directories including city, cross reference and telephone directories were reviewed, if available, at approximately five year intervals for the years spanning 1922 through 2010. This report compiles information gathered in this review by geocoding the latitude and longitude of properties identified and gathering information about properties within 660 feet of the target property.

A summary of the information obtained is provided in the text of this report.

RECORD SOURCES

EDR's Digital Archive combines historical directory listings from sources such as Cole Information and Dun & Bradstreet. These standard sources of property information complement and enhance each other to provide a more comprehensive report.

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Data by
infoUSA®
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RESEARCH SUMMARY

The following research sources were consulted in the preparation of this report. An "X" indicates where information was identified in the source and provided in this report.

Year	Source	TP	Adjoining	Text Abstract	Source Image
2010	EDR Digital Archive	-	-	X	-
	EDR Digital Archive	X	-	X	-
2002	R.L. Polk Co Publishers	-	-	X	-
	R.L. Polk Co Publishers	X	-	X	X
1995	R.L. Polk Co Publishers	-	-	-	-
1990	Pacific Bell Telephone Co	-	-	-	-
1986	Pacific Telephone	-	-	-	-
1980	R.L. Polk Co Publishers	-	-	-	-
1976	B&G Publications	-	-	-	-
1975	R.L. Polk Co Publishers	-	-	-	-
1971	B&G Publications	-	-	-	-
1970	R.L. Polk Co Publishers	-	-	-	-

EXECUTIVE SUMMARY

Year	Source	TP	Adjoining	Text Abstract	Source Image
1965	R.L. Polk Co Publishers	-	-	-	-
1960	R.L. Polk Co Publishers	-	-	-	-
1955	R. L. Polk Co.	-	-	-	-
1951	R. L. Polk Co.	-	-	-	-
1945	R. L. Polk Co.	-	-	-	-
1940	R. L. Polk Co.	-	-	-	-
1935	R.L. Polk Co Publishers	-	-	-	-
1930	R. L. Polk Co.	-	-	-	-
1928	R.L. Polk Co Publishers	-	-	-	-
1922	Polk-Husted Directory Co.	-	-	-	-

RECORD SOURCES

EDR's Digital Archive combines historical directory listings from sources such as Cole Information and Dun & Bradstreet. These standard sources of property information complement and enhance each other to provide a more comprehensive report.

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FINDINGS

TARGET PROPERTY INFORMATION

ADDRESS

7350 Wildflower Lane
Bakersfield, CA 93313

FINDINGS DETAIL

Target Property research detail.

Wildflower Ln

7350 Wildflower Ln

Year	*Uses*	*Source*
2010	GARONE FRANK JR FARMS	EDR Digital Archive

WILDFLOWER LN

7350 WILDFLOWER LN

Year	*Uses*	*Source*	
2002	Duenas Adriana	R.L. Polk Co Publishers	Image pg. A1
	Duenas Claudia	R.L. Polk Co Publishers	Image pg. A1

FINDINGS

ADJOINING PROPERTY DETAIL

The following Adjoining Property addresses were researched for this report. Detailed findings are provided for each address.

No Addresses Found

FINDINGS

TARGET PROPERTY: ADDRESS NOT IDENTIFIED IN RESEARCH SOURCE

The following Target Property addresses were researched for this report, and the addresses were not identified in the research source.

Address Researched	Address Not Identified in Research Source
7350 Wildflower Lane	1995, 1990, 1986, 1980, 1976, 1975, 1971, 1970, 1965, 1960, 1955, 1951, 1945, 1940, 1935, 1930, 1928, 1922

Source Page Images Appendix

TP	Adjoining	Source
✓	✓	R.L. Polk Co Publishers

WILDFLOWER LN 2002

WIBLE RD Cont'd
B Santiago Juan N Jr [6]♠
.....661-398-1089
7639 Leon Alexia M 661-396-0292
Leon Maria E [6]♠ 661-396-0292
7644 LOCK-SPERTS locks & locksmiths
.....661-282-5625
7645 Book Brenda J [4] 661-834-9384
7658 Not Verified
7726 AMERICAN TOWING wrecker serv
.....661-392-7900
Henson Cindy
Ⓓ Henson Mike E♠
RUSTY'S TOWING wrecker serv
.....661-836-1600
7728 Leonard K D [3] 661-833-1550
7821 Ⓓ Kenton Frank♠
7853 Gibbs James C & Barbara [3]♠
.....661-396-1662
7908 Not Verified
+ HOSKING RD INTERSECTS
+ SIERRA MEADOWS DR BEGINS
8501 KINGDOM HALL OF JEHOVAH
WITNES churches ..661-397-0659
+ STONECREEK AVE INTERSECTS
+ MCKEE RD ENDS
8922 Eyraud Anna E 661-831-1661
Eyraud John C [16]♠ ..661-831-1661
+ EMERSON WAY ENDS
9214 Evans Albert E [20]♠ ..661-397-4150
Evans Danny L 661-397-4150
9400 B J'S LITTLE TRADING POST
indian goods 661-834-8604
Luetger James V & Brenda J [9]♠
.....661-834-8604
9420 FAST ACTION CONSTRUCTION
building contractors ..661-398-0928
McGhee Everett R II [4]♠
9460 Griffin Charles [14]♠ ..661-832-3856
9500 DISCOUNT AUTO & TRUCK
SALVAGE transmissions-auto
.....827-8000
+ TAFT HWY INTERSECTS
• ZIP CODE 93313 CAR-RT R010
10151 Weingarden John W [4]♠
Weingarden Nancy
10454 Poncetta Elmo E & Elsie [20]♠
.....661-831-2070
+ ENGLE RD BEGINS
+ HOUGHTON RD INTERSECTS
10716 Bravo Alfred L 661-832-0684
Bravo Madeline M [20]♠
.....661-832-0684
10915 - 10919 Not Verified (2 Hses)
10924 Collier Brian T [9]♠
Collier Karra F
11228 - 11352 Not Verified (3 Hses)
11354 Sandrini Guido C & Carolina A [20]
♠ 661-831-3092
• ZIP CODE 93313 CAR-RT R007
12141 1 - 2 Not Verified (2 Apts)
12711 REAL ESTATE BOOK-KERN
COUNTY advertising-directory &
guide 805-544-3439
13711 Cerro Heather 661-832-8814
Cerro Mark E [6]♠ ..661-832-8814
13715 Not Verified
14259 Arburua Joseph M [9]♠
.....661-831-1415
14655 Jimenez Jessie 661-396-0715
Jimenez Jesus S [5]♠
.....661-396-0715
14801 Clason Donna D [20]♠
Clason Jody A
14843 Vincent Frank L [20]♠
.....661-832-5298
Vincent M L 661-832-5298
15259 Parker Larry M & Kathleen H [20]
.....661-832-5214
15720 PARKER FARMS ranches
.....661-858-2591
Plaster Jean C [9]♠
15852 Patton Myron S [2]♠
.....661-832-6316
Patton Susan 661-832-6316
15906 Schallberger Paul E [13]♠
.....661-397-4897
16417 Fanucchi George J & Marlene Y
[7]♠ 661-836-3232
17600 Not Verified
17620 2 Cardenas Armando [7]
2 Cardenas Griselda
17752 - 17756 Not Verified (2 Hses)
17758 Contreras Jose E [10]
.....661-366-0539
17800 MC KITTRICK RANCH INC
ranches 661-831-1734
BUSINESSES 148 HOUSEHOLDS 432

WICKS ST (BAKERSFIELD)-FROM 3401
CHARLOTTE ST SOUTH
• ZIP CODE 93313 CAR-RT C004
5900 Korsgaard Connie 661-834-3084
Korsgaard Rudy [3] ..661-834-3084
5901 Regan Michael D & Laura A [19]♠
.....661-396-7654
5904 Ⓓ Castaneda Natividad C♠
Castaneda Rosa
Ⓓ Perez Rosa 661-831-7814
5905 Gustafson Larry L & Nora L [7]♠
5908 Longwith Cheryl R [5]♠
Longwith Gary A
5909 - 5913 Not Verified (3 Hses)
8000 Ⓓ Kraft Wesley♠

WICKS ST Cont'd
6001 Lee Judy
Lee Kenneth K [8]♠
6004 Corum Mark B
Corum Trisha L [6]
6005 Ⓓ Aranda Juan C
Aranda Maria
6008 Robertson Robert A & Jennifer D
[5]♠
6009 Escamilla Monica S & Anthony W
[6]♠
6012 Yohn Alan S [5]♠
Yohn Jayme D
6013 Rufus Elzora
Rufus Lee D [5]♠
+ FIESTA AVE INTERSECTS
HOUSEHOLDS 17

WIDE LOOP RD (BAKERSFIELD)-FROM 299
QUAILRIDGE RD
• ZIP CODE 93309 CAR-RT C034
7500 COMPUTER SOFTWARE
SOLUTIONS computer & equip dlrs
.....661-397-0236
MEMORIES BY MORAN
photographers-portrait
.....661-397-0236
Moran Robert S & Donna L [20]♠
+ QUAILWOOD DR CONTINUES
7501 Johnson Norman E & Nancy C [17]
♠ 661-397-3818
7504 Arbeit Holley S [9]♠
7505 Fehlberg Erick L & Verna P [16]♠
7508 Barron Oscar M Sr & Susan R [7]♠
.....661-397-5653
7512 Miller Henry R [8]♠
Miller Judith N
7516 Tremaine Robert P II & Brenda L
[9]♠
7520 Cline Allen F & Roni A [20]♠
7521 Le Minh T [20]♠
Le Thomas C
7600 Thompson Gary E [20]♠
.....661-398-1722
Thompson Sally M ..661-398-1722
7601 Cales Donna S
Cales John C [19]
7604 Fieldgrove Gary G [20]♠
.....661-833-3211
Fieldgrove Grant A ..661-833-3211
7605 Quinn Gerald A & Dana F [14]♠
7608 Cox Earlene W & Bradley S [18]♠
.....661-834-8400
7609 Delarosa Roy J & Ma G [20]♠
.....661-833-8790
7612 Lemos Jimmie S [18]♠
.....661-831-2524
Lemos Phillip D 661-831-2524
7613 Williams Coby R
Williams Danny R [5]♠
7616 Hogaboom Paul B & Darla L [5]♠
7617 Upshaw Darren B & Carolyn M [5]♠
7620 Vidaurreta Chris
Vidaurreta Javier S [17]♠
7621 Black Harold E [10]♠
BUSINESSES 2 HOUSEHOLDS 21

WIGWAM ST (BAKERSFIELD)-FROM 11573
CHOCTAW DR
• ZIP CODE 93308 CAR-RT R018
9363 Not Verified
HOUSEHOLDS 1

WILCOX WAY (BAKERSFIELD)-FROM 7599
LORDSBURG DR SOUTH
+ HACHITA CT ENDS
• ZIP CODE 93309 CAR-RT C033
3705 Not Verified
3709 Anderson Sharon M [5]♠
3801 Mann Donna J
Mann Ricki L [6]♠
3805 Ross Carol
Ross Wyatt B [8]♠
3808 Morgan John H & Regina A [17]♠
3809 Chung Cang T [18]♠
Chung Hung T
3812 Michaels Alan M & Angelina M [9]♠
3813 Montgomery Robert B Jr [16]♠
3816 Ⓓ Vaughan Roy E
Vaughan Scott A
3817 Martinez Joyce L [10]♠
Martinez Rodney T
3820 Hayes Jerry W & Rena L [4]♠
+ ASHFORK LN BEGINS
HOUSEHOLDS 11

WILD OAK CT (BAKERSFIELD)-FROM 9701
GREEN OAK PL
• ZIP CODE 93311 CAR-RT C002
2200 Tomasi Stephen J & Deborah J [6]
♠
2201 Rizo Fernando A & Natalia A [6]♠
2204 Ⓓ Balfour Mel & Nancy♠
.....661-664-4535
2205 Szytel Thomas [16]♠
2208 Leon John R Sr [5]♠ ..661-665-8076
Leon Magdalena S ..661-665-8076
2209 Christy Roger H & Patricia J [9]♠
2212 Allan Malcolm E & Corrine A [13]♠
.....661-665-8558
2213 Choat Joe R & Sherry R [13]♠
2300 Not Verified
2304 Hollick Timo C & Diann M [7]♠
2308 Ⓓ Kuhach Jennifer L

WILD OAK CT Cont'd
2312 Martin Dan E [4]♠
Martin Donna
+ SPRING OAK DR INTERSECTS
HOUSEHOLDS 12

WILD ROGUE CT (BAKERSFIELD)-FROM 5885
SKY LAKES AVE
• ZIP CODE 93313 CAR-RT R027
6902 Ⓓ Hansen Donald S♠
Hansen Terry R
6906 Carrillo Javier L [9]♠
Carrillo Socorro V
6907 Galindo Javier & Delfina [6]♠
6910 Layman Ramil L & Pomposa K [9]♠
.....661-665-8728
6911 Rypkema Lance Z [6]♠
.....661-663-8492
6914 Rosete Benjamin [6]♠
Rosete Javier M Sr
6915 Patterson Bryan L [4]♠
7000 Lunders Harold S & Karen J [6]♠
7004 Kennedy Thad W [6]♠
7005 Farolan Douglas D & Teresita R [20]
♠ 661-663-0809
7008 Uribe Richard M & Catalina C [6]♠
7009 Ⓓ Perrino Anthony J♠
Perrino Kim K
7015 Cleveland Jerry E & Peggy G [6]♠
HOUSEHOLDS 13

WILD SONG CT (BAKERSFIELD)-FROM 7137
ROGUE RIVER DR SOUTH
• ZIP CODE 93313 CAR-RT R023
5000 Not Verified
5001 Abasta Cesar A & Celia C [7]♠
5004 Not Verified
5005 Nguyen Thao A Sr & Yenphuong P
[7]♠
5006 Ⓓ Wattell James V♠ 661-663-3704
5009 Not Verified
5012 Walker Mildred I [6]♠
5015 Worley Dan J & Debbie D [9]♠
.....661-665-8276
HOUSEHOLDS 8

WILDFLOWER LN (BAKERSFIELD)
• ZIP CODE 93313 CAR-RT R007
7038 Gurrola Aniceto G [11]♠
.....661-858-2648
Gurrola Victoria 661-858-2648
7136 Martinez Martin P & Bernardina O
[11]♠ 661-858-2018
7150 Baggash Saeed A & Fanda A [4]♠
.....661-858-1011
7350 Duenas Adriana
Duenas Claudia [3]
HOUSEHOLDS 4

WILDFLOWER ST (BAKERSFIELD)
+ STEVENS DR CONTINUES
• ZIP CODE 93313 CAR-RT R007
123 Mercado Alex [7]
Mercado Maria S
+ S SABODAN ST BEGINS
HOUSEHOLDS 1

WILDHEATHER AVE (BAKERSFIELD)-FROM
901 BUTTERFLY LN
• ZIP CODE 93312 CAR-RT R021
14309 Ⓓ Fox Tonya L♠
14317 Ⓓ Hill Michael L♠ ..661-587-6503
14401 Ceregatti Amy L
Ⓓ Ceregatti Cesar L♠
14408 Gipson Brandy [3] ..661-588-6655
Gipson Jennifer B ..661-588-6655
Stiles Phillip N 661-588-6686
Stiles Travis W [5]♠
.....661-588-6686
14416 Robison Imogene ..661-587-7988
Robison Victoria F [3]♠
.....661-587-7988
14424 Hudson Dannie E & Shelley R [9]
♠
14425 Ⓓ Folkner Leslie♠
14432 Delpellegrin Victoria E [2]♠
14433 Armitage Michael A Sr & Evelyn D
[9]♠ 661-589-5452
14440 Rutherford Kirk A & Cindy S [5]♠
.....661-589-4836
14441 Not Verified
14448 Rudder Jeffrey T & Caren L [6]♠
HOUSEHOLDS 13

WILDMAN RD (BAKERSFIELD)-FROM 7299
SUNSET BLVD SOUTH
• ZIP CODE 93307 CAR-RT R006
14804 Gonzalez Luis M & Edelmira V [9]
♠
15306 Ⓓ Bolland James R 661-845-1887
15308 2 Spitzer Herbert A [11]♠
.....661-845-8871
2 Spitzer Jacob 661-845-8871
HOUSEHOLDS 3

WILDWOOD WAY (BAKERSFIELD)-FROM 1251
MOUNT LOWE DR
• ZIP CODE 93309 CAR-RT C002
6900 Dennis Howard J & Dorothy M [20]♠
6901 McColl George D [20]♠
.....661-831-0779
McColl Joanne L 661-831-0779

WILDWOOD WAY Cont'd
6903 Francis Charles W & Martha H [9]♠
HOUSEHOLDS 3

WILDWOOD PARK PL (BAKERSFIELD)
• ZIP CODE 93311 CAR-RT R032
12201 Perez Lila
Ⓓ Perez Manuel C♠
12204 Ⓓ Arredondo Sariya♠
12209 Montoya Concepcion
Ⓓ Montoya Francisco F
12212 Ⓓ Salas Marylou L & Greg M♠
12216 Ⓓ Dixon Brett E♠
Dixon Melinda
12302 Ⓓ Watson Meredith♠
12303 Dhillon Harpreet
Ⓓ Dhillon Parminder S♠
12306 Ⓓ Hamilton John J & Fiona J♠
12307 Oliver Cynthia
Ⓓ Oliver Kevin♠
12310 Ⓓ Han Chun Y♠
Han Ji
12311 Ⓓ Nunez Apolinar P♠
Nunez Stephanie
12314 Ⓓ Strategos Emmanuel J & Erin P
♠
12315 Ⓓ Smith Greg B♠ ..661-663-7351
Smith Sarah M 661-663-7351
HOUSEHOLDS 13

WILFORD CT (BAKERSFIELD)
• ZIP CODE 93309 CAR-RT C030
7100 Smith Gary L & Kathy R [6]♠
.....661-831-2374
7101 Not Verified
7104 Morgan Cheryl L [6]♠
.....661-837-4020
Morgan Don 661-837-4020
7105 Walsh Dwight C [17]♠
Walsh Sherri E
7108 Faulkner Thomas E & Debrah K [11]
♠ 661-835-9343
7109 Campbell Gerald M & Donna R [9]
♠
7200 Whitehead Derek W Sr [9]♠
Whitehead Janray R
7201 Tandy Alan E & Kathleen C [9]♠
7205 Torres Mark N & Esther [20]♠
.....661-397-8197
7209 Mullhofer Judith D [15]♠
7213 Bergam Christopher A & Sandy L
[9]♠ 661-834-7704
7301 Hakimuddin Mariya [9]
Hakimuddin Mukerram Q
7305 Thalman Beaulah I ..661-397-8478
Ⓓ Thalman Edwin J♠ 661-397-8478
7309 Schmidt Kevin R [11]♠
.....661-833-8481
7313 Gomez Sharon L
Ⓓ Gomez Steven M♠
7317 Martin James M [5]
HOUSEHOLDS 16

WILKINS ST (BAKERSFIELD)-FROM 99
KINCAID ST EAST
• ZIP CODE 93307 CAR-RT C006
300 Juarez Angelica
Juarez Jose L [17]♠
301 Edmonds Valeria R 661-323-5483
Edmonds William J [20]♠
.....661-323-5483
304 Arreola Ana I [7]♠
305 - 308 Not Verified (2 Hses)
309 Ⓓ Alvarez Melquiade B♠
312 Guerrero Arturo [4]
Guerrero Liliana I
313 Duarte Alberto M & Maria G [18]♠
316 Melendes Blanca B [9]♠
.....661-322-4680
317 Not Verified
319 Valadez Antonio M [7] ..661-859-1620
319 1/2 Garasa Miriam [2] ..661-321-9112
320 - 400 Not Verified (2 Hses)
401 Esquivel Robert A Sr [14]♠
.....661-323-3020
405 Montalvo Robert [6]♠ ..661-633-0301
406 Gonzalez Maria T [3] ..661-636-0853
408 Fingers Velma [20]♠
409 Vicente Manuel O & Teresa S [20]♠
.....661-327-5696
412 Barraza Francisca V [20]♠
.....661-323-3520
413 Not Verified
416 Barraza Dario V [6]♠
Braza Angela A [4] 661-834-9632
417 Carrisalez Carmen A [20]♠
.....661-323-1774
Carrisalez Cecilio J 661-323-1774
420 Stokes Gary F [15]♠
Stokes Rosemary
421 Meyers Johnnie L [20]♠
.....661-323-0157
Meyers William Sr 661-323-0157
424 Duran Rafael R [17]♠
Duran Reynaldo R
Ⓓ Gonzalez Dolores ..661-326-8257
700 Ramirez Sylvia Y [2] 661-859-0916
703 Audry Richardson [8]
709 Bowers John L Sr & Dorothy [20]♠
.....661-325-7810
+ S KING ST INTERSECTS
841 Caldwell Hattie B [20]
+ KINCAID ST INTERSECTS
908 Amezcua Joaquin 760-864-1804

WILKINS ST Cont'd
Amezcua Magdalena [5]
.....760-864-1804
909 Cardenas Agustin [3] ..661-324-9035
+ AUGUSTA ST INTERSECTS
1000 Curry Moses [9]
+ S OWENS ST INTERSECTS
• ZIP CODE 93307 CAR-RT C009
1126 Not Verified
1127 Barber E [11] 661-323-9956
Cherry James E Sr [9]♠
McDaniel Dion T [2] ..661-325-1335
+ NORTHRUP ST INTERSECTS
1200 Davis D C [20] 661-325-1344
1207 Mendoza Rafael [2] ..661-859-1731
1221 Paredes Eberto M [9]♠
Paredes Maria C [2] ..661-633-2258
+ HAYES ST INTERSECTS
+ CLYDE ST INTERSECTS
1400 Ferman Jose N [6]♠
1401 Martinez Vitia V [6]♠
1405 Larios Jaqueline
Ⓓ Larios Marvin♠
1409 Wiley Anthony M [7] ..661-631-2572
1419 - 1421 Not Verified (2 Hses)
1425 Ⓓ Freeman E♠
+ CLIFTON ST INTERSECTS
+ LAKEVIEW AVE INTERSECTS
HOUSEHOLDS 50

WILLAMETTE CT (BAKERSFIELD)-FROM 3999
BURNABY DR SOUTHWEST
• ZIP CODE 93312 CAR-RT C006
9000 Ⓓ Rekosh Charles D Sr
Rekosh Ty H
9001 Campbell Karen L & James R [7]♠
.....661-589-8071
9004 Messick Randall L & Sue E [8]♠
9005 Stephens Betty J [5]♠
Walker Russell R & Karen W [8]♠
9008 Ragle Donald R [8]♠
Ragle Karen S
9009 Terrio Kevin M & Cynthia R [9]♠
9012 Fabrie Johnny R & Lisa L [8]♠
9013 Patel Pravin C [5]♠
9016 Sirltara Pat M [8]♠
9017 Hungerford William E & Stacey M
[10]♠ 588-2000
9020 AS YOU WISH PERSONALIZED
PROMO advertising-specialties
.....587-0008
Rose Larry K & Sherry L [5]♠
.....587-0008
9021 Tobias Jason L & Stephanie M [7]♠
9102 Pagan Ana R [7]♠
+ BURNABY DR INTERSECTS
9106 Swing Michael D Sr & Mary A [10]♠
9110 Tennison Gary W & Kari A [8]♠
.....661-588-1752
9114 Wise Raymond L & Marisa S [4]♠
9118 Burger Mike C & Vicki L [9]♠
+ SOUTHPASS DR INTERSECTS
BUSINESSES 1 HOUSEHOLDS 18

WILLARD ST (BAKERSFIELD)
• ZIP CODE 93312 CAR-RT R004
4245 Not Verified
4301 Tompkins Michael L [8]
4323 Not Verified
4700 Wells Bill A [5]
5101 Ⓓ Guzman Ricardo♠
5153 Not Verified
5353 Ⓓ Poole Curtis
5414 Heiner Chad O
Heiner Max O [9]♠
5500 - 5554 Not Verified (2 Hses)
5614 Kitchens Gary D & Pamela S [16]♠
.....661-588-1844
5630 West Vernon & Rebecca R [6]♠
5638 Guinn Nelda F [5]♠
5710 Hall Patricia L
Ⓓ Hall Van V♠
+ SULLIVAN RD INTERSECTS
HOUSEHOLDS 14

WILLIAM F HALSEY AVE (BAKERSFIELD)-
FROM 6213 FRANK J FLETCHER ST WEST
+ S H ST CONTINUES
• ZIP CODE 93304 CAR-RT C005
1701 Caur Satwinder [3] 661-835-9280
C Not Verified
1705 Rojo Isaac [8] 661-835-7227
Singh Drdar [4] 661-834-0578
Valencia Martha [3] ..661-836-2755
C Not Verified
1709 Brice Barbara A [8] 661-836-0788
B Sahota Maninder S [2]
.....661-834-9381
1713 Souksavane Bonnie [4]
.....661-398-7223
1801 Ⓓ Holmes Karen 661-396-8688
Webb Phillip L & Pamela A [5]
1805 Marberry Kacie J
Marberry Michael [8]
+ FRANK J FLETCHER ST ENDS
1809 Perez Jose J [4]♠
+ CHESTER W NIMITZ ST INTERSECTS
1900 Barnett John C & Denise [15]♠
.....661-831-7080
1901 Taylor Reginald B [5]♠
1904 Morgan Miller E & Bertha F [15]♠
.....661-834-0290
1905 Carter Neil T [19]♠ 661-837-1834
Ⓓ Estrada Gloria

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APPENDIX F

RESUMES

David Zweig, PE, President

Education: B.S., Civil Engineering, University of California, Berkeley
Registration: California P.E. License #C048031; Washington P.E. License #28181

Mr. Zweig is experienced in preparing both routine and complex Phase I and Phase II Environmental Site Assessments, water rights permitting and regulatory compliance, and conducting water quality monitoring. Mr. Zweig has provided technical oversight and completed numerous Phase I and Phase II hazardous materials investigations for public agencies and private parties throughout California and the U.S. Mr. Zweig is very familiar with the regulatory issues faced by private industry and public agencies, and is adept at facilitating compliance with local, state and federal environmental laws. A partial listing of recent Phase I and Phase II reports completed by AES is provided below.

- 17th and Q Street Property **Phase I ESA**, Sacramento County, CA
- 1811 12th Street **Phase I ESA**, Sacramento County, CA
- 2000 O Street 3 Parcel **Phase I ESA**, Sacramento County, CA
- 2020 W El Camino 16-acre **Phase I ESA**, Sacramento County, CA
- 2327 L Street 0.22-acre Parcel **Phase I ESA**, Sacramento County, CA
- 2401 J Street 0.45-acre **Phase I ESA**, Sacramento County, CA
- 2816 D Street Dwellings 2 Parcel **Phase I ESA**, Sacramento County, CA
- 3031 F Street 0.44-acre **Phase I ESA**, Sacramento County, CA
- 730 Howe Avenue **Phase I ESA**, Sacramento County, CA
- 825 15th Street 0.40± acre **Phase I ESA**, Sacramento County, CA
- City of Sacramento - McKinley Village Residential Infill **EIR/Phase I/II ESA**, Sacramento County, CA
- MJL Properties - 3516 Fair Oaks Boulevard 0.36 acre **Phase I ESA**, Sacramento County, CA
- Natomas Park Drive **Phase I ESA**, Sacramento County, CA
- Overnite Transportation - 10000 Waterman Road 54.7-acre **Phase I ESA**, Sacramento County, CA
- Shirland Tract 41-acre **Phase I ESA**, Sacramento County, CA
- Clover Valley Reservoir 35-acre **Phase I ESA**, Placer County, CA
- Thunder Valley Casino **Phase I ESA**, Placer County, CA
- UAIC 1,100-acre Housing Project Fee-to-Trust **EA, Phase I ESA**, Placer County, CA
- Shingle Springs Rancheria Casino **Phase I ESA**, El Dorado County, CA
- 210 N East Road Woodland **Phase I ESA**, Yolo County, CA
- Sugarloaf Ranch **Phase I ESA**, Yolo County, CA
- 2050 Nut Tree 4.15-acre **Phase I ESA**, Solano County, CA
- 1144 Starr View Road **Phase I ESA**, Sonoma County, CA
- 1398 Gumview Road **Phase I ESA**, Sonoma County, CA
- 1486 Gumview Road **Phase I ESA**, Sonoma County, CA
- 18 East Fulton Road **Phase I ESA**, Sonoma County, CA
- 437 Aviation Boulevard 1.74-acre **Phase I ESA**, Sonoma County, CA
- Cloverdale Rancheria Casino Lease **Phase I ESA**, Sonoma County, CA
- Ernst Property **Phase I ESA**, Sonoma County, CA
- Graton Rancheria Casino 300-acre **Phase I/II ESA**, Sonoma County, CA
- Jordan Vineyard **Phase I ESA**, Sonoma County, CA
- SLAC **Phase I ESA**, Sonoma County, CA
- Colusa Residential Development **Phase I ESA**, Colusa County, CA
- Point Molate Casino and Resort **Phase I ESA**, Contra Costa County, CA
- San Pablo Lytton Casino **Phase I ESA**, Contra Costa County, CA
- Scotts Valley 2 Parcel-155 Parr Boulevard **Phase I ESA**, Contra Costa County, CA

- Enterprise Rancheria 40-acre Property **Phase I ESA**, Butte County, CA
- Mechoopda Casino 650-acre Casino **Phase I ESA**, Butte County, CA
- Amador Water Agency - 44.6-acre **Phase I ESA**, Amador County, CA
- Ione Band of Miwok Indians 228.04-acre **Phase I ESA**, Amador County, CA
- Lower Lake Rancheria Koi Nation Casino **Phase I ESA**, Alameda County, CA
- Elk Valley Rancheria Tribal Office **Phase I ESA**, Del Norte County, CA
- Bear River Band Casino 18-acre Property **Phase I ESA**, Humboldt County, CA
- Big Lagoon Rancheria Casino 11-acres **Phase I ESA**, Humboldt County, CA
- Blue Lake Rancheria Casino **Phase I ESA**, Humboldt County, CA
- Fearrian 125-acre Property **Phase I ESA**, Humboldt County, CA
- Hoopa Valley Tribe Saw Mill Site (Portions of Lots 283-298) **Phase I ESA**, Humboldt County, CA
- Alturas Indian Rancheria Shasta Mountain Facility 160-acre **Phase I ESA**, Siskiyou County, CA
- Ewiiaapaayp Walker Parcel 16.69-acre **Phase I ESA**, Alpine County, CA
- Grindstone Rancheria Casino 109-acre **Phase I ESA**, Glenn County, CA
- Coyote Valley **Phase I ESA**, Mendocino County, CA
- Pinoleville Casino **Phase I ESA**, Mendocino County, CA
- Upper Lake Casino and Resort **Phase I ESA**, Lake County, CA
- Paskenta Property **Phase I ESA**, Tehama County, CA
- 1001 Van Ness Avenue +0.75-acre **Phase I ESA**, San Francisco County, CA
- Milbanks **Phase I ESA**, San Francisco County, CA
- Federico's Restaurant 15,000 square foot **Phase I ESA**, Santa Barbara County, CA
- Santa Ynez Band of Chumash Indians Casino Expansion **Phase I ESA**, Santa Barbara County, CA
- Royal Scandinavian Inn 3.87-acre **Phase I ESA**, Santa Barbara County, CA
- Table Mountain Rancheria 170-acre **Phase I ESA**, Fresno County, CA
- North Fork Casino 305-acre Property **Phase I ESA**, Madera County, CA
- North Fork Rancheria 80-acre Property **Phase I ESA**, Madera County, CA
- 180 Litton Drive 4.5-acre **Phase I ESA**, Nevada County, CA
- Washoe Tribe of Nevada and California - Pinenut Road Property **Phase I ESA**, Douglas County, NV
- Barstow Casino and Resort **Phase I ESA**, San Bernardino County, CA
- Timbisha Shoshone 58.08-acre Property **Phase I ESA**, San Bernardino County, CA
- Desert Mobile Home Park (Duroville) **Phase I/Phase II ESA**, Riverside County, CA
- Jamul Tribe Casino **Phase I ESA**, San Diego County, CA
- La Jolla Casino **Phase I ESA**, San Diego County, CA
- Pauma Band of Luiseno Indians **Phase I ESA**, San Diego County, CA
- San Pasqual 3.25-acre Property Overview/**Phase I ESA**, San Diego County, CA
- Sycuan Property 1,357-acres **Phase I ESA**, San Diego County, CA
- Torrez Martinez 20-acre Property **Phase I ESA**, Imperial County, CA
- Chicken Ranch Rancheria 47.25-acre **Phase I ESA**, Tuolumne County, CA
- Samish Indian Nation **Phase I ESA**, City of Anacortes, Skagit County, WA
- Ho-Chunk Beloit Casino **Phase I ESA**, City of Beloit, Rock County, WI

Emily Schoenborn

Analyst I

ANALYTICAL ENVIRONMENTAL SERVICES

Education

B.S. Environmental Science and Management; University of California, Davis

Ms. Schoenborn serves as an analyst, writer, and editor on various CEQA and NEPA documents, and provides professional consulting services to private clients and Native American tribes. She is a skilled writer with a background in scientific writing.

Ms. Schoenborn is knowledgeable in environmental regulatory processes, with experience involving environmental affairs, including water resources, public services, socioeconomics, hazardous materials, aesthetics, transportation and traffic, air quality and climate change, and land use and planning. She provides consultation and guidance for environmental issues, and other regulatory processes, and coordinates with lead agencies, engineers, and sub-consultants in preparing documents. She has conducted and prepared numerous Phase I Environmental Site Assessments for various projects in conformance with American Society of Testing Materials (ASTM) Standard Practice E 1527-13 (Phase I Environmental Site Assessment Process) and ASTM Standard Practice E 2247-08 (Phase I Environmental Site Assessment Process for Forestland or Rural Property), as well as U.S. Department of Interior Departmental Manual Part 602 Chapter 2 (Real Property Pre-Acquisition Environmental Site Assessments). Completed documents include environmental impact statements, environmental assessments, permitting, and environmental overviews required for NEPA/CEQA compliance.

Representative Project Experience

- Fair Oaks Phase 1 Environmental Site Assessment, Sacramento, CA – May 2019
- Casa Grande Phase 1 Environmental Site Assessment, Petaluma, CA – May 2019
- Graton Rancheria 223 Golf Course Phase 1 Environmental Site Assessment – In Progress
- Graton Rancheria 4528 Langner Phase 1 Environmental Site Assessment – In Progress
- Graton Rancheria 4570 Labbath Phase 1 Environmental Site Assessment – In Progress
- Tejon Tribe Mettler Phase 1 Environmental Site Assessment – In Progress

APPENDIX G

FEDERAL EMERGENCY MANAGEMENT AGENCY
FLOOD INSURANCE RATE MAP

NOTES TO USERS

This map is for use in administering the National Flood Insurance Program. It does not necessarily identify all areas subject to flooding, particularly from local drainage sources of small size. The **community map repository** should be consulted for possible updated or additional flood hazard information.

To obtain more detailed information in areas where **Base Flood Elevations** (BFEs) and/or **floodways** have been determined, users are encouraged to consult the Flood Profiles and Floodway Data and/or Summary of Stillwater Elevations tables contained within the Flood Insurance Study (FIS) report that accompanies this FIRM. Users should be aware that BFEs shown on the FIRM represent rounded whole–foot elevations. These BFEs are intended for flood insurance rating purposes only and should not be used as the sole source of flood elevation information. Accordingly, flood elevation data presented in the FIS report should be utilized in conjunction with the FIRM for purposes of construction and/or floodplain management.

Coastal Base Flood Elevations shown on this map apply only landward of 0.0' North American Vertical Datum of 1988 (NAVD 88). Users of this FIRM should be aware that coastal flood elevations are also provided in the Summary of Stillwater Elevations table in the Flood Insurance Study report for this jurisdiction. Elevations shown in the Summary of Stillwater Elevations table should be used for construction and/or floodplain management purposes when they are higher than the elevations shown on this FIRM.

Boundaries of the **floodways** were computed at cross sections and interpolated between cross sections. The floodways were based on hydraulic considerations with regard to requirements of the National Flood Insurance Program. Floodway widths and other pertinent floodway data are provided in the Flood Insurance Study report for this jurisdiction.

Certain areas not in Special Flood Hazard Areas may be protected by **flood control structures.** Refer to Section 2.4 "Flood Protection Measures" of the Flood Insurance Study report for information on flood control structures for this jurisdiction.

The **projection** used in the preparation of this map was Universal Transverse Mercator (UTM) zone 11. The **horizontal datum** was NAD83, GRS1980 spheroid. Differences in datum, spheroid, projection or UTM zones used in the production of FIRMs for adjacent jurisdictions may result in slight positional differences in map features across jurisdiction boundaries. These differences do not affect the accuracy of this FIRM.

Flood elevations on this map are referenced to the North American Vertical Datum of 1988. These flood elevations must be compared to structure and ground elevations referenced to the same **vertical datum.** For information regarding conversion between the National Geodetic Vertical Datum of 1929 and the North American Vertical Datum of 1988, visit the National Geodetic Survey website at http://www.ngs.noaa.gov/ or contact the National Geodetic Survey at the following address:

NGS Information Services
NOAA, N/NGS12
National Geodetic Survey
SSMC–3, #9202
1315 East–West Highway
Silver Spring, MD 20910–3282

To obtain current elevation, description, and/or location information for **bench marks** shown on this map, please contact the Information Services Branch of the National Geodetic Survey at **(301) 713–3242,** or visit its website at http://www.ngs.noaa.gov/.

Base map information shown on this FIRM was derived from USDA –Farm Service Agency –Aerial Photography Field Office dated 2005 and from U.S. Geological Survey Digital Orthophoto Quadrangles produced at a scale of 1:12,000 from photography dated 1992 or later.

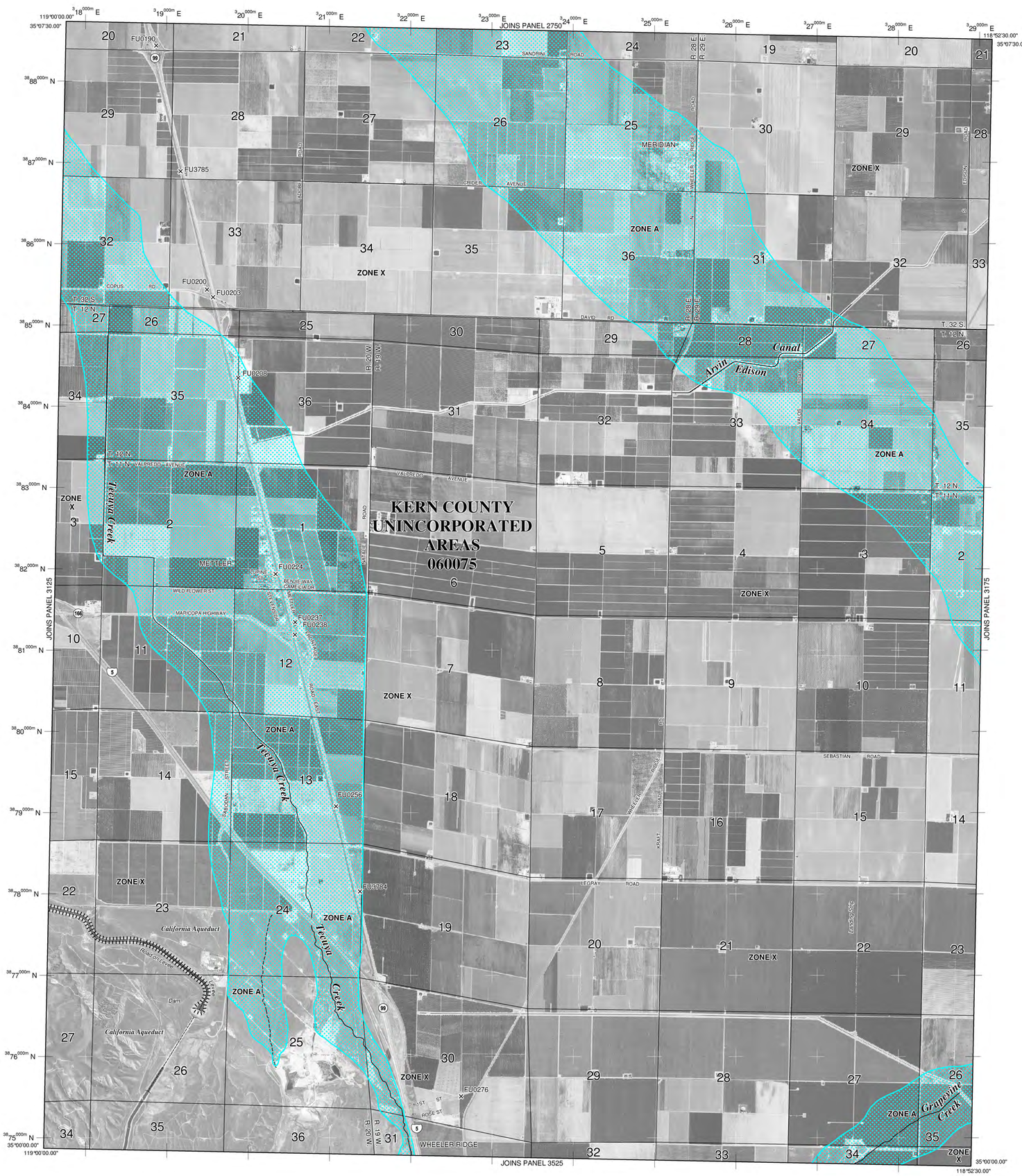
This map reflects more detailed and up–to–date **stream channel configurations** than those shown on the previous FIRM for this jurisdiction. The floodplains and floodways that were transferred from the previous FIRM may have been adjusted to conform to these new stream channel configurations. As a result, the Flood Profiles and Floodway Data tables *in the Flood Insurance Study report (which contains authoritative hydraulic data*) may reflect stream channel distances that differ from what is shown on this map.

Corporate limits shown on this map are based on the best data available at the time of publication. Because changes due to annexations or de–annexations may have occurred after this map was published, map users should contact appropriate community officials to verify current corporate limit locations.

Please refer to the separately printed **Map Index** for an overview map of the county showing the layout of map panels; community map repository addresses; and a Listing of Communities table containing National Flood Insurance Program dates for each community as well as a listing of the panels on which each community is located.

Contact the **FEMA Map Service Center** at 1–800–358–9616 for information on available products associated with this FIRM. Available products may include previously issued Letters of Map Change, *a Flood Insurance Study report*, and/or digital versions of this map. The FEMA Map Service Center may also be reached by Fax at 1–800–358–9620 and its website at http://www.msc.fema.gov/.

If you have **questions about this map** or questions concerning the National Flood Insurance Program in general, please call **1–877–FEMA MAP** (1–877–336–2627) or visit the FEMA website at http://www.fema.gov/.



LEGEND

SPECIAL FLOOD HAZARD AREAS (SFHAs) SUBJECT TO INUNDATION BY THE 1% ANNUAL CHANCE FLOOD

The 1% annual chance flood (100-year flood), also known as the base flood, is the flood that has a 1% chance of being equaled or exceeded in any given year. The Special Flood Hazard Area is the area subject to flooding by the 1% annual chance flood. Areas of Special Flood Hazard include Zones A, AE, AH, AO, AR, A99, V and VE. The Base Flood Elevation is the water-surface elevation of the 1% annual chance flood.

ZONE A	No Base Flood Elevations determined.
ZONE AE	Base Flood Elevations determined.
ZONE AH	Flood depths of 1 to 3 feet (usually areas of ponding); Base Flood Elevations determined.
ZONE AO	Flood depths of 1 to 3 feet (usually sheet flow on sloping terrain); average depths determined. For areas of alluvial fan flooding, velocities also determined.
ZONE AR	Special Flood Hazard Area formerly protected from the 1% annual chance flood by a flood control system that was subsequently decertified. Zone AR indicates that the former flood control system is being restored to provide protection from the 1% annual chance or greater flood.
ZONE A99	Area to be protected from 1% annual chance flood by a Federal flood protection system under construction; no Base Flood Elevations determined.
ZONE V	Coastal flood zone with velocity hazard (wave action); no Base Flood Elevations determined.
ZONE VE	Coastal flood zone with velocity hazard (wave action); Base Flood Elevations determined.

FLOODWAY AREAS IN ZONE AE

The floodway is the channel of a stream plus any adjacent floodplain areas that must be kept free of encroachment so that the 1% annual chance flood can be carried without substantial increases in flood heights.

OTHER FLOOD AREAS

ZONE X	Areas of 0.2% annual chance flood; areas of 1% annual chance flood with average depths of less than 1 foot or with drainage areas less than 1 square mile; and areas protected by levees from 1% annual chance flood.

OTHER AREAS

ZONE X	Areas determined to be outside the 0.2% annual chance floodplain.
ZONE D	Areas in which flood hazards are undetermined, but possible.

COASTAL BARRIER RESOURCES SYSTEM (CBRS) AREAS

OTHERWISE PROTECTED AREAS (OPAs)

CBRS areas and OPAs are normally located within or adjacent to Special Flood Hazard Areas.

1% annual chance floodplain boundary
0.2% annual chance floodplain boundary
Floodway boundary
Zone D boundary
CBRS and OPA boundary
Boundary dividing Special Flood Hazard Areas of different Base Flood Elevations, flood depths or flood velocities.

513	Base Flood Elevation line and value; elevation in feet*
(EL 987)	Base Flood Elevation value where uniform within zone; elevation in feet*

* Referenced to the North American Vertical Datum of 1988 (NAVD 88)

A — A	Cross section line
23 - - - - - 23	Transect line
97°07'30", 32°22'30"	Geographic coordinates referenced to the North American Datum of 1983 (NAD 83)
4275000mN	1000-meter Universal Transverse Mercator grid ticks, zone 11
6000000 M	5000-foot grid ticks: California State Plane coordinate system, V zone (FIPSZONE 0405), Lambert Conformal Conic
DX5510 ×	Bench mark (see explanation in Notes to Users section of this FIRM panel)
• M1.5	River Mile

MAP REPOSITORIES
Refer to Map Repositories list on Map Index

EFFECTIVE DATE OF COUNTYWIDE
FLOOD INSURANCE RATE MAP
September 26, 2008
EFFECTIVE DATE(S) OF REVISION(S) TO THIS PANEL

For community map revision history prior to countywide mapping, refer to the Community Map History table located in the Flood Insurance Study report for this jurisdiction.

To determine if flood insurance is available in this community, contact your insurance agent or call the National Flood Insurance Program at 1–800–638–6620.

MAP SCALE 1" = 2000'
1000 0 2000 4000 FEET
600 0 600 1200 METERS

NFIP

NATIONAL FLOOD INSURANCE PROGRAM

PANEL 3150E

FIRM
FLOOD INSURANCE RATE MAP
KERN COUNTY, CALIFORNIA
AND INCORPORATED AREAS

PANEL 3150 OF 4125
(SEE MAP INDEX FOR FIRM PANEL LAYOUT)

CONTAINS:

COMMUNITY	NUMBER	PANEL	SUFFIX
KERN COUNTY	060075	3150	E

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
06029C3150E

EFFECTIVE DATE
SEPTEMBER 26, 2008

Federal Emergency Management Agency

APPENDIX H

QUESTIONNAIRES

ANALYTICAL ENVIRONMENTAL SERVICES
1801 7TH STREET, SUITE 100
SACRAMENTO, CA 95811
(916) 447-3479 | FAX (916) 447-1665

PROPERTY OWNER QUESTIONNAIRE

DATE: 8/29/2019

RE: Mettler Property
Phase I Environmental Site Assessment

To Whom it May Concern,

Please complete the property owner questionnaire below regarding the 305.82-Acre Mettler Property (Subject Property) identified by Kern County Assessor's Parcel Numbers (APNs) 238-204-02, -04, -07, and -14. You are being asked to provide information and insight to assist in the preparation of the Phase I Environmental Site Assessment (Phase I ESA) for the Subject Property. Please provide as much information as you can to assist in this effort. Feel free to attach extra sheets/reports if the space provided is not sufficient.

Please fax/send the completed property owner questionnaire to:

Analytical Environmental Services
ATTN: Emily Schoenborn
1801 7th Street, Suite 100
Sacramento, CA 95811

Telephone: (916) 447-3479
Fax: (916) 447-1665
E-Mail: eschoenborn@analyticalcorp.com

Thank you for your help and cooperation.

PROPERTY OWNER QUESTIONNAIRE

METTLER PROPERTY PHASE I ENVIRONMENTAL SITE ASSESSMENT

QUESTION	ANSWER	REPONSES TO "YES" QUESTIONS
1. Is the Subject Property or any adjoining property currently used for industrial purposes?	Subject Property: NO UNK YES Adjoining Property: NO UNK YES	
2. To the best of your knowledge, has the Subject Property or any adjoining property been used for industrial purposes in the past?	Subject Property: NO UNK YES Adjoining Property: NO UNK YES	
3. Is the Subject Property or any adjoining property used as a gasoline station, motor repair facility, commercial printing facility, dry cleaners, photo-developing laboratory, junkyard, or landfill, or as a waste treatment, storage, disposal, processing, or recycling facility?	Subject Property: NO UNK YES Adjoining Property: NO UNK YES	
4. To the best of your knowledge, has the Subject Property or any adjoining property been used as a gasoline station, motor repair facility, commercial printing facility, dry cleaners, photo-developing laboratory, junkyard, or landfill, or as a waste treatment, storage, disposal, processing, or recycling facility?	Subject Property: NO UNK YES Adjoining Property: NO UNK YES	

PROPERTY OWNER QUESTIONNAIRE

METTLER PROPERTY PHASE I ENVIRONMENTAL SITE ASSESSMENT

5. Has fill dirt been brought onto the Subject Property that originated from a contaminated site or that is of an unknown origin?	NO UNK YES	
6. Are there currently, or to the best of your knowledge have there been previously, any damaged or discarded automotive or industrial batteries, or pesticides, paints, or other chemicals in individual containers of greater than five gallons (19 liters) in the aggregate, stored on or used at the Subject Property or at the facility?	Currently? NO UNK YES Historically? NO UNK YES	The property has been used for agricultural purposes so fuel and pertilizer may have been present on the property
7. Are there currently, or to the best of your knowledge have there been previously, any industrial drums (typically 55-gallon (208 liters) or sacks of chemicals located on the Subject Property or at the facility?	Currently? NO UNK YES Historically? NO UNK YES	
8. Are there currently, or to the best of your knowledge have there been previously, any pits, ponds, or lagoons located on the Subject Property in connection with waste treatment or waste disposal?	Currently? NO UNK YES Historically? NO UNK YES	

PROPERTY OWNER QUESTIONNAIRE

METTLER PROPERTY PHASE I ENVIRONMENTAL SITE ASSESSMENT

9. Is there currently, or to the best of your knowledge has there been previously, any areas of stained soil on the Subject Property?	Currently? NO UNK YES Historically? NO UNK YES	
10. Are there currently, or to the best of your knowledge have there been previously, any registered or unregistered storage tanks (above or underground) located on the Subject Property?	Currently? NO UNK YES Historically? NO UNK YES	
11. Are there currently, or to the best of your knowledge have there been previously, any vent pipes, fill pipes, or access ways indicating a fill pipe protruding from the ground on the Subject Property or adjacent to any structure located on the Subject Property?	Currently? NO UNK YES Historically? NO UNK YES	
12. Are there currently, or to the best of your knowledge have there been previously, any flooring, drains, or walls located within the facility that are stained by substances other than water or are emitting foul odors?	Currently? NO UNK YES Historically? NO UNK YES	

PROPERTY OWNER QUESTIONNAIRE

METTLER PROPERTY PHASE I ENVIRONMENTAL SITE ASSESSMENT

13. If the Subject Property is served by a private well or non-public water system, have contaminants been identified in the well or system that exceed guidelines applicable to the water system or has the well been designated as contaminated by any government environment/health agency?	NO UNK YES	
14. Does the owner or occupant of the Subject Property have any knowledge of environmental liens or governmental notification relating to past or recurrent violations of environmental laws with respect to the Subject Property or any facility located on the Subject Property?	NO UNK YES	
15. Has the owner or occupant of the Subject Property been informed of the past or current existence of hazardous substances or petroleum products or environmental violations with respect to the Subject Property or any facility located on the Subject Property?	NO UNK YES	

PROPERTY OWNER QUESTIONNAIRE

METTLER PROPERTY PHASE I ENVIRONMENTAL SITE ASSESSMENT

16. Does the owner or occupant of the Subject Property have any knowledge of any environmental site assessment of the Subject Property or facility that indicated the presence of hazardous substances or petroleum products on, or contamination of, the Subject Property or recommended further assessment of the Subject Property?	NO UNK YES	
17. Does the owner or occupant of the Subject Property know of any past, threatened, or pending lawsuits or administrative proceedings concerning a release or threatened release of any hazardous substance or petroleum products involving the Subject Property by any owner or occupant of the Subject Property?	NO UNK YES	
18. Does the Subject Property discharge wastewater on or adjacent to the Subject Property other than stormwater into a sanitary sewer system?	NO UNK YES	

PROPERTY OWNER QUESTIONNAIRE

METTLER PROPERTY PHASE I ENVIRONMENTAL SITE ASSESSMENT

19. To the best of your knowledge, have any hazardous substances or petroleum products, unidentified waste materials, tires, automotive or industrial batteries or any other waste materials been dumped above grade, buried, and/or burned on the Subject Property?	NO UNK YES	
20. Is there a transformer, capacitor, or any hydraulic equipment for which there are any records indicating the presence of PCBs?	NO UNK YES	

PROPERTY OWNER QUESTIONNAIRE

METTLER PROPERTY PHASE I ENVIRONMENTAL SITE ASSESSMENT

21. How do you currently use the Subject Property and how have you used the Subject Property in the past? Please be specific.

The Subject Property is and has been used for agricultural uses, generally the growing of row crops.

22. What is your understanding of how the Subject Property was used before your ownership/occupancy?

Same as above

PROPERTY OWNER QUESTIONNAIRE

METTLER PROPERTY PHASE I ENVIRONMENTAL SITE ASSESSMENT

I hereby certify that to the best of my knowledge all of the information provided in this environmental questionnaire is true and correct.

Signature: _____

Print Name / Address: SCOTT M NIELSON, MANAGER OF SCCR TELON, LLC

Phone Number: (702) 863-0038

Date Complete: September 20, 2019

Relation to Subject Property (circle one): owner operator manager tenant

APPENDIX I

HABITAT TYPES

SOURCE: DigitalGlobe aerial photograph, 11/1/2017; Kern County Data, 2010; AES, 9/23/2019

Appendix I
Mettler Site Habitat Types

MARICOPA HIGHWAY SITE – EDR REPORT

Maricopa Highway Site
8033 Highway 166
Bakersfield, CA 93313

Inquiry Number: 5612641.2s
April 15, 2019

The EDR Radius Map™ Report with GeoCheck®

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

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GEOCHECK ADDENDUM

Physical Setting Source Addendum	A-1
Physical Setting Source Summary	A-2
Physical Setting Source Map	A-7
Physical Setting Source Map Findings	A-8
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), the ASTM Standard Practice for Environmental Site Assessments for Forestland or Rural Property (E 2247-16), the ASTM Standard Practice for Limited Environmental Due Diligence: Transaction Screen Process (E 1528-14) or custom requirements developed for the evaluation of environmental risk associated with a parcel of real estate.

TARGET PROPERTY INFORMATION

ADDRESS

8033 HIGHWAY 166
BAKERSFIELD, CA 93313

COORDINATES

Latitude (North):	35.0573000 - 35˚ 3' 26.28''
Longitude (West):	119.0058350 - 119˚ 0' 21.00''
Universal Tranverse Mercator:	Zone 11
UTM X (Meters):	317074.9
UTM Y (Meters):	3881039.2
Elevation:	489 ft. above sea level

USGS TOPOGRAPHIC MAP ASSOCIATED WITH TARGET PROPERTY

Target Property Map:	5639469 COAL OIL CANYON, CA
Version Date:	2012
East Map:	5638958 METTLER, CA
Version Date:	2012

AERIAL PHOTOGRAPHY IN THIS REPORT

Portions of Photo from:	20140617
Source:	USDA

MAPPED SITES SUMMARY

Target Property Address:
8033 HIGHWAY 166
BAKERSFIELD, CA 93313

Click on Map ID to see full detail.

MAP ID	SITE NAME	ADDRESS	DATABASE ACRONYMS	RELATIVE ELEVATION	DIST (ft. & mi.) DIRECTION
A1	PRINCE TRUCK STOP	8632 HIGHWAY 166	CERS TANKS, CERS	Lower	314, 0.059, North
A2	PRINCE TRUCK STOP	8632 HIGHWAY 166	UST	Lower	314, 0.059, North
B3	REYNOLD M METTLER FA	I-5 AND HIGHWAY 166	HIST UST	Higher	315, 0.060, ENE
B4	REYNOLD M. METTLER F	I-5 & HIGHWAY 166	SWEEPS UST, CA FID UST	Higher	324, 0.061, ENE
B5	CLIFFORD A. METTLER	I5 & MARICOPA HWY	HIST CORTESE	Higher	445, 0.084, ENE
B6	CLIFFORD A. METTLER	INTERSTATE 5 & MARIC	LUST, CERS	Higher	480, 0.091, ENE
B7	CLIFFORD A. METTLER	INTERSTATE 5 & MARIC	LUST	Higher	480, 0.091, ENE
C8	REYNOLD METTLER FARM	8868 HWY 166	AST	Lower	1134, 0.215, WNW
C9	JEFFREY METTLER FARM	8868 HIGHWAY 166	CERS HAZ WASTE, CERS TANKS, CERS	Lower	1134, 0.215, WNW
C10	JEFFREY METTLER FARM	8868 HIGHWAY 166	AST	Lower	1134, 0.215, WNW

EXECUTIVE SUMMARY

TARGET PROPERTY SEARCH RESULTS

The target property was not listed in any of the databases searched by EDR.

DATABASES WITH NO MAPPED SITES

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

STANDARD ENVIRONMENTAL RECORDS

Federal NPL site list

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

Federal Delisted NPL site list

Delisted NPL ..... National Priority List Deletions

Federal CERCLIS list

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

Federal CERCLIS NFRAP site list

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

Federal RCRA CORRACTS facilities list

CORRACTS ..... Corrective Action Report

Federal RCRA non-CORRACTS TSD facilities list

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

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

LUCIS ..... Land Use Control Information System
US ENG CONTROLS ..... Engineering Controls Sites List

EXECUTIVE SUMMARY

US INST CONTROL..... Sites with Institutional Controls

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

INDIAN LUST..... Leaking Underground Storage Tanks on Indian Land
CPS-SLIC..... Statewide SLIC Cases

State and tribal registered storage tank lists

FEMA UST..... Underground Storage Tank Listing
INDIAN UST..... Underground Storage Tanks on Indian Land

State and tribal voluntary cleanup sites

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

State and tribal Brownfields sites

BROWNFIELDS..... Considered Brownfieds Sites Listing

ADDITIONAL ENVIRONMENTAL RECORDS

Local Brownfield lists

US BROWNFIELDS..... A Listing of Brownfields Sites

Local Lists of Landfill / Solid Waste Disposal Sites

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

Local Lists of Hazardous waste / Contaminated Sites

US HIST CDL..... Delisted National Clandestine Laboratory Register

EXECUTIVE SUMMARY

HIST Cal-Sites	Historical Calsites Database
SCH	School Property Evaluation Program
CDL	Clandestine Drug Labs
Toxic Pits	Toxic Pits Cleanup Act Sites
US CDL	National Clandestine Laboratory Register

Local Land Records

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

Records of Emergency Release Reports

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

Other Ascertainable Records

RCRA NonGen / NLR	RCRA - Non Generators / No Longer Regulated
FUDS	Formerly Used Defense Sites
DOD	Department of Defense Sites
SCRD DRYCLEANERS	State Coalition for Remediation of Drycleaners Listing
US FIN ASSUR	Financial Assurance Information
EPA WATCH LIST	EPA WATCH LIST
2020 COR ACTION	2020 Corrective Action Program List
TSCA	Toxic Substances Control Act
TRIS	Toxic Chemical Release Inventory System
SSTS	Section 7 Tracking Systems
ROD	Records Of Decision
RMP	Risk Management Plans
RAATS	RCRA Administrative Action Tracking System
PRP	Potentially Responsible Parties
PADS	PCB Activity Database System
ICIS	Integrated Compliance Information System
FTTS	FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)
MLTS	Material Licensing Tracking System
COAL ASH DOE	Steam-Electric Plant Operation Data
COAL ASH EPA	Coal Combustion Residues Surface Impoundments List
PCB TRANSFORMER	PCB Transformer Registration Database
RADINFO	Radiation Information Database
HIST FTTS	FIFRA/TSCA Tracking System Administrative Case Listing
DOT OPS	Incident and Accident Data
CONSENT	Superfund (CERCLA) Consent Decrees
INDIAN RESERV	Indian Reservations
FUSRAP	Formerly Utilized Sites Remedial Action Program
UMTRA	Uranium Mill Tailings Sites
LEAD SMELTERS	Lead Smelter Sites
US AIRS	Aerometric Information Retrieval System Facility Subsystem
US MINES	Mines Master Index File
ABANDONED MINES	Abandoned Mines

EXECUTIVE SUMMARY

FINDS	Facility Index System/Facility Registry System
UXO	Unexploded Ordnance Sites
DOCKET HWC	Hazardous Waste Compliance Docket Listing
ECHO	Enforcement & Compliance History Information
FUELS PROGRAM	EPA Fuels Program Registered Listing
CA BOND EXP. PLAN	Bond Expenditure Plan
Cortese	"Cortese" Hazardous Waste & Substances Sites List
CUPA Listings	CUPA Resources List
DRYCLEANERS	Cleaner Facilities
EMI	Emissions Inventory Data
ENF	Enforcement Action Listing
Financial Assurance	Financial Assurance Information Listing
HAZNET	Facility and Manifest Data
ICE	ICE
HWP	EnviroStor Permitted Facilities Listing
HWT	Registered Hazardous Waste Transporter Database
MINES	Mines Site Location Listing
MWMP	Medical Waste Management Program Listing
NPDES	NPDES Permits Listing
PEST LIC	Pesticide Regulation Licenses Listing
PROC	Certified Processors Database
Notify 65	Proposition 65 Records
UIC	UIC Listing
UIC GEO	UIC GEO (GEOTRACKER)
WASTEWATER PITS	Oil Wastewater Pits Listing
WDS	Waste Discharge System
MILITARY PRIV SITES	MILITARY PRIV SITES (GEOTRACKER)
PROJECT	PROJECT (GEOTRACKER)
WDR	Waste Discharge Requirements Listing
CIWQS	California Integrated Water Quality System
CERS	CERS
WIP	Well Investigation Program Case List
NON-CASE INFO	NON-CASE INFO (GEOTRACKER)
OTHER OIL GAS	OTHER OIL & GAS (GEOTRACKER)
PROD WATER PONDS	PROD WATER PONDS (GEOTRACKER)
SAMPLING POINT	SAMPLING POINT (GEOTRACKER)
WELL STIM PROJ	Well Stimulation Project (GEOTRACKER)

EDR HIGH RISK HISTORICAL RECORDS

EDR Exclusive Records

EDR MGP	EDR Proprietary Manufactured Gas Plants
EDR Hist Auto	EDR Exclusive Historical Auto Stations
EDR Hist Cleaner	EDR Exclusive Historical Cleaners

EDR RECOVERED GOVERNMENT ARCHIVES

Exclusive Recovered Govt. Archives

RGA LF	Recovered Government Archive Solid Waste Facilities List
RGA LUST	Recovered Government Archive Leaking Underground Storage Tank

SURROUNDING SITES: SEARCH RESULTS

Surrounding sites were identified in the following databases.

EXECUTIVE SUMMARY

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

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

A review of the LUST list, as provided by EDR, has revealed that there are 2 LUST sites within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
CLIFFORD A. METTLER	***INTERSTATE 5 & MARIC***	***ENE 0 - 1/8 (0.091 mi.)***	***B6***	***42***
Database: LUST REG 5, Date of Government Version: 07/01/2008 Status: Case Closed				
CLIFFORD A. METTLER	INTERSTATE 5 & MARIC	ENE 0 - 1/8 (0.091 mi.)	B7	42
Database: LUST, Date of Government Version: 12/10/2018 Status: Completed - Case Closed Global Id: T0602900311				

State and tribal registered storage tank lists

UST: The Underground Storage Tank database contains registered USTs. USTs are regulated under Subtitle I of the Resource Conservation and Recovery Act (RCRA). The data come from the State Water Resources Control Board's Hazardous Substance Storage Container Database.

A review of the UST list, as provided by EDR, has revealed that there is 1 UST site within approximately 0.25 miles of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
PRINCE TRUCK STOP	8632 HIGHWAY 166	N 0 - 1/8 (0.059 mi.)	A2	39
Database: KERN CO. UST, Date of Government Version: 01/28/2019 Database: UST, Date of Government Version: 12/10/2018 Facility ID: FA0037592				

AST: A listing of aboveground storage tank petroleum storage tank locations.

A review of the AST list, as provided by EDR, has revealed that there are 2 AST sites within approximately 0.25 miles of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
REYNOLD METTLER FARM Database: AST, Date of Government Version: 07/06/2016	8868 HWY 166	WNW 1/8 - 1/4 (0.215 mi.)	C8	44
JEFFREY METTLER FARM Database: AST, Date of Government Version: 07/06/2016	8868 HIGHWAY 166	WNW 1/8 - 1/4 (0.215 mi.)	C10	63

ADDITIONAL ENVIRONMENTAL RECORDS

Local Lists of Hazardous waste / Contaminated Sites

CERS HAZ WASTE: List of sites in the California Environmental Protection Agency (CalEPA) Regulated Site Portal which fall under the Hazardous Chemical Management, Hazardous Waste Onsite Treatment, Household Hazardous Waste Collection, Hazardous Waste Generator, and RCRA LQ HW Generator programs.

A review of the CERS HAZ WASTE list, as provided by EDR, and dated 10/22/2018 has revealed that there is 1 CERS HAZ WASTE site within approximately 0.25 miles of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
JEFFREY METTLER FARM	***8868 HIGHWAY 166***	***WNW 1/8 - 1/4 (0.215 mi.)***	***C9***	***44***

Local Lists of Registered Storage Tanks

SWEEPS UST: 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.

A review of the SWEEPS UST list, as provided by EDR, and dated 06/01/1994 has revealed that there is 1 SWEEPS UST site within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
REYNOLD M. METTLER F Comp Number: 33222	***I-5 & HIGHWAY 166***	***ENE 0 - 1/8 (0.061 mi.)***	***B4***	***41***

HIST UST: Historical UST Registered Database.

A review of the HIST UST list, as provided by EDR, and dated 10/15/1990 has revealed that there is 1 HIST UST site within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
REYNOLD M METTLER FA	I-5 AND HIGHWAY 166	ENE 0 - 1/8 (0.060 mi.)	B3	40

EXECUTIVE SUMMARY

Facility Id: 00000033222

CERS TANKS: List of sites in the California Environmental Protection Agency (CalEPA) Regulated Site Portal which fall under the Aboveground Petroleum Storage and Underground Storage Tank regulatory programs.

A review of the CERS TANKS list, as provided by EDR, and dated 10/22/2018 has revealed that there are 2 CERS TANKS sites within approximately 0.25 miles of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
PRINCE TRUCK STOP	***8632 HIGHWAY 166***	***N 0 - 1/8 (0.059 mi.)***	***A1***	***8***
JEFFREY METTLER FARM	***8868 HIGHWAY 166***	***WNW 1/8 - 1/4 (0.215 mi.)***	***C9***	***44***

CA FID UST: The Facility Inventory Database contains active and inactive underground storage tank locations. The source is the State Water Resource Control Board.

A review of the CA FID UST list, as provided by EDR, and dated 10/31/1994 has revealed that there is 1 CA FID UST site within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
REYNOLD M. METTLER F Facility Id: 15004602 Status: I	***I-5 & HIGHWAY 166***	***ENE 0 - 1/8 (0.061 mi.)***	***B4***	***41***

Other Ascertainable Records

HIST CORTESE: The sites for the list are designated by the State Water Resource Control Board [LUST], the Integrated Waste Board [SWF/LS], and the Department of Toxic Substances Control [CALSITES]. This listing is no longer updated by the state agency.

A review of the HIST CORTESE list, as provided by EDR, and dated 04/01/2001 has revealed that there is 1 HIST CORTESE site within approximately 0.5 miles of the target property.

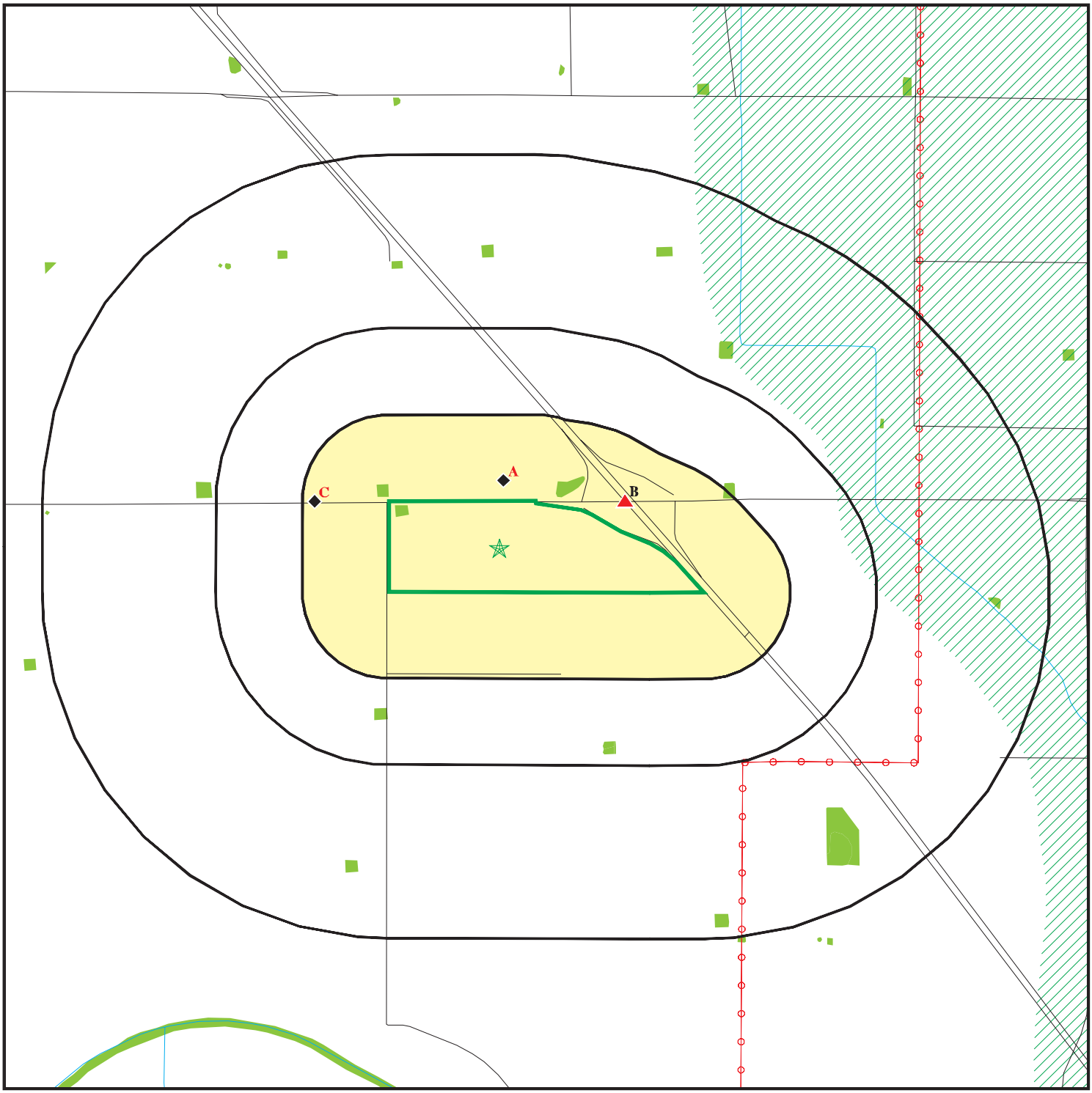
Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
CLIFFORD A. METTLER Reg Id: 5T15000313	I5 & MARICOPA HWY	ENE 0 - 1/8 (0.084 mi.)	B5	41

EXECUTIVE SUMMARY

Due to poor or inadequate address information, the following sites were not mapped. Count: 2 records.

Site Name	Database(s)
	CDL
	CDL

OVERVIEW MAP - 5612641.2S



0 1/4 1/2 1 Miles

- Target Property
- Sites at elevations higher than or equal to the target property
- Sites at elevations lower than the target property
- Manufactured Gas Plants
- National Priority List Sites
- Dept. Defense Sites
- Indian Reservations BIA
- Power transmission lines
- 100-year flood zone
- 500-year flood zone
- National Wetland Inventory
- State Wetlands
- Areas of Concern

This report includes Interactive Map Layers to display and/or hide map information. The legend includes only those icons for the default map view.

SITE NAME: Maricopa Highway Site ADDRESS: 8033 Highway 166 Bakersfield CA 93313 LAT/LONG: 35.0573 / 119.005835	CLIENT: ANALYTICAL ENVIRONMENTAL SERVICES CONTACT: Sam Schoevaars INQUIRY #: 5612641.2s DATE: April 15, 2019 1:30 pm

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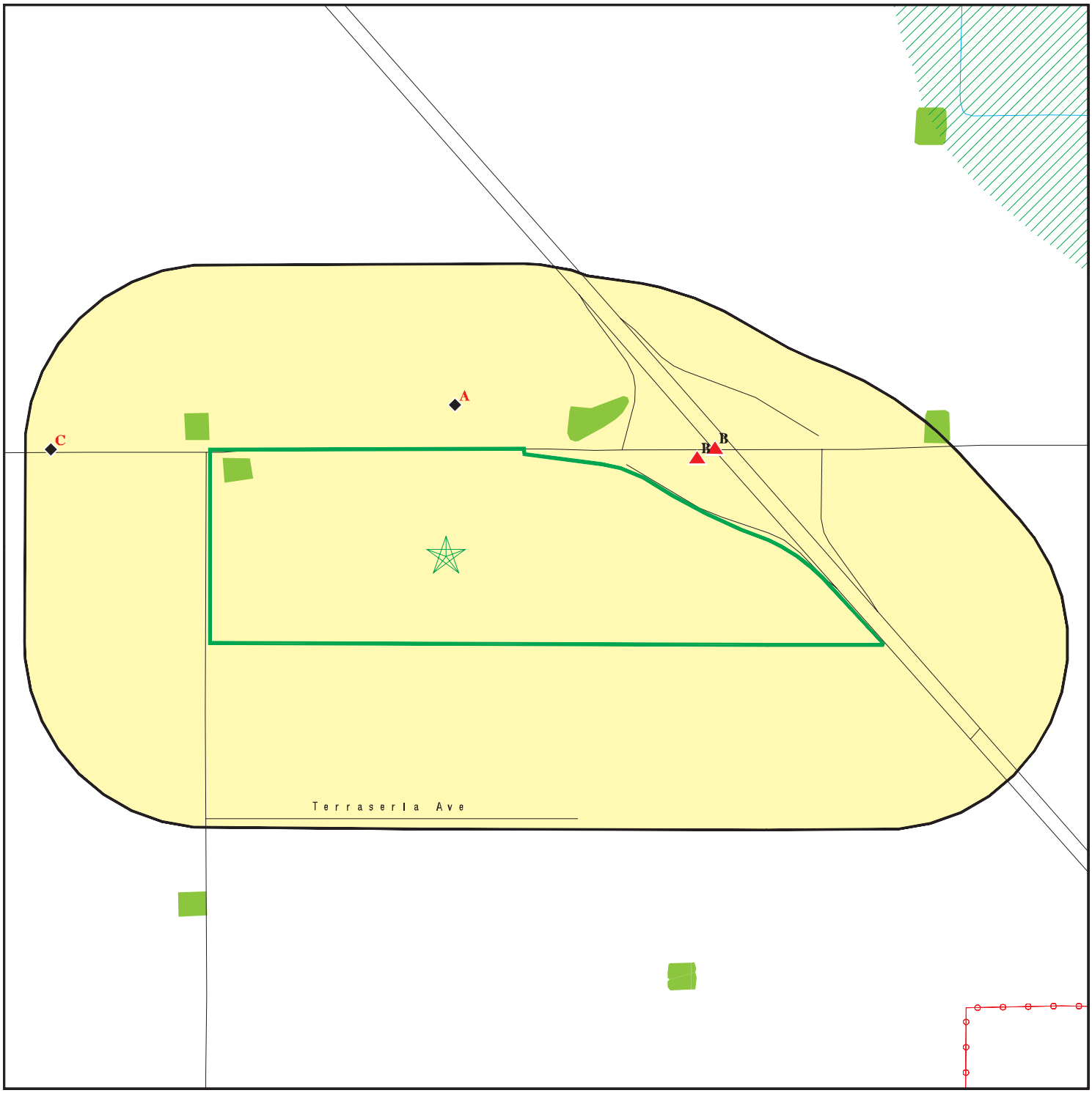
DETAIL MAP - 5612641.2S



Target Property

Sites at elevations higher than or equal to the target property

Sites at elevations lower than the target property

Manufactured Gas Plants

Sensitive Receptors

National Priority List Sites

Dept. Defense Sites

0 1/8 1/4 1/2 Miles

Indian Reservations BIA

Power transmission lines

100-year flood zone

500-year flood zone

National Wetland Inventory

State Wetlands

Areas of Concern

This report includes Interactive Map Layers to display and/or hide map information. The legend includes only those icons for the default map view.

SITE NAME: Maricopa Highway Site ADDRESS: 8033 Highway 166 Bakersfield CA 93313 LAT/LONG: 35.0573 / 119.005835	CLIENT: ANALYTICAL ENVIRONMENTAL SERVICES CONTACT: Sam Schoevaars INQUIRY #: 5612641.2s DATE: April 15, 2019 1:33 pm

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MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
STANDARD ENVIRONMENTAL RECORDS								
Federal NPL site list								
NPL	1.000		0	0	0	0	NR	0
Proposed NPL	1.000		0	0	0	0	NR	0
NPL LIENS	0.001		0	NR	NR	NR	NR	0
Federal Delisted NPL site list								
Delisted NPL	1.000		0	0	0	0	NR	0
Federal CERCLIS list								
FEDERAL FACILITY	0.500		0	0	0	NR	NR	0
SEMS	0.500		0	0	0	NR	NR	0
Federal CERCLIS NFRAP site list								
SEMS-ARCHIVE	0.500		0	0	0	NR	NR	0
Federal RCRA CORRACTS facilities list								
CORRACTS	1.000		0	0	0	0	NR	0
Federal RCRA non-CORRACTS TSD facilities list								
RCRA-TSDF	0.500		0	0	0	NR	NR	0
Federal RCRA generators list								
RCRA-LQG	0.250		0	0	NR	NR	NR	0
RCRA-SQG	0.250		0	0	NR	NR	NR	0
RCRA-CESQG	0.250		0	0	NR	NR	NR	0
Federal institutional controls / engineering controls registries								
LUCIS	0.500		0	0	0	NR	NR	0
US ENG CONTROLS	0.500		0	0	0	NR	NR	0
US INST CONTROL	0.500		0	0	0	NR	NR	0
Federal ERNS list								
ERNS	0.001		0	NR	NR	NR	NR	0
State- and tribal - equivalent NPL								
RESPONSE	1.000		0	0	0	0	NR	0
State- and tribal - equivalent CERCLIS								
ENVIROSTOR	1.000		0	0	0	0	NR	0
State and tribal landfill and/or solid waste disposal site lists								
SWF/LF	0.500		0	0	0	NR	NR	0
State and tribal leaking storage tank lists								
LUST	0.500		2	0	0	NR	NR	2

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
INDIAN LUST	0.500		0	0	0	NR	NR	0
CPS-SLIC	0.500		0	0	0	NR	NR	0
State and tribal registered storage tank lists								
FEMA UST	0.250		0	0	NR	NR	NR	0
UST	0.250		1	0	NR	NR	NR	1
AST	0.250		0	2	NR	NR	NR	2
INDIAN UST	0.250		0	0	NR	NR	NR	0
State and tribal voluntary cleanup sites								
VCP	0.500		0	0	0	NR	NR	0
INDIAN VCP	0.500		0	0	0	NR	NR	0
State and tribal Brownfields sites								
BROWNFIELDS	0.500		0	0	0	NR	NR	0
ADDITIONAL ENVIRONMENTAL RECORDS								
Local Brownfield lists								
US BROWNFIELDS	0.500		0	0	0	NR	NR	0
Local Lists of Landfill / Solid Waste Disposal Sites								
WMUDS/SWAT	0.500		0	0	0	NR	NR	0
SWRCY	0.500		0	0	0	NR	NR	0
HAULERS	0.001		0	NR	NR	NR	NR	0
INDIAN ODI	0.500		0	0	0	NR	NR	0
DEBRIS REGION 9	0.500		0	0	0	NR	NR	0
ODI	0.500		0	0	0	NR	NR	0
IHS OPEN DUMPS	0.500		0	0	0	NR	NR	0
Local Lists of Hazardous waste / Contaminated Sites								
US HIST CDL	0.001		0	NR	NR	NR	NR	0
HIST Cal-Sites	1.000		0	0	0	0	NR	0
SCH	0.250		0	0	NR	NR	NR	0
CDL	0.001		0	NR	NR	NR	NR	0
CERS HAZ WASTE	0.250		0	1	NR	NR	NR	1
Toxic Pits	1.000		0	0	0	0	NR	0
US CDL	0.001		0	NR	NR	NR	NR	0
Local Lists of Registered Storage Tanks								
SWEEPS UST	0.250		1	0	NR	NR	NR	1
HIST UST	0.250		1	0	NR	NR	NR	1
CERS TANKS	0.250		1	1	NR	NR	NR	2
CA FID UST	0.250		1	0	NR	NR	NR	1
Local Land Records								
LIENS	0.001		0	NR	NR	NR	NR	0
LIENS 2	0.001		0	NR	NR	NR	NR	0

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
DEED	0.500		0	0	0	NR	NR	0
Records of Emergency Release Reports								
HMIRS	0.001		0	NR	NR	NR	NR	0
CHMIRS	0.001		0	NR	NR	NR	NR	0
LDS	0.001		0	NR	NR	NR	NR	0
MCS	0.001		0	NR	NR	NR	NR	0
SPILLS 90	0.001		0	NR	NR	NR	NR	0
Other Ascertainable Records								
RCRA NonGen / NLR	0.250		0	0	NR	NR	NR	0
FUDS	1.000		0	0	0	0	NR	0
DOD	1.000		0	0	0	0	NR	0
SCRD DRYCLEANERS	0.500		0	0	0	NR	NR	0
US FIN ASSUR	0.001		0	NR	NR	NR	NR	0
EPA WATCH LIST	0.001		0	NR	NR	NR	NR	0
2020 COR ACTION	0.250		0	0	NR	NR	NR	0
TSCA	0.001		0	NR	NR	NR	NR	0
TRIS	0.001		0	NR	NR	NR	NR	0
SSTS	0.001		0	NR	NR	NR	NR	0
ROD	1.000		0	0	0	0	NR	0
RMP	0.001		0	NR	NR	NR	NR	0
RAATS	0.001		0	NR	NR	NR	NR	0
PRP	0.001		0	NR	NR	NR	NR	0
PADS	0.001		0	NR	NR	NR	NR	0
ICIS	0.001		0	NR	NR	NR	NR	0
FTTS	0.001		0	NR	NR	NR	NR	0
MLTS	0.001		0	NR	NR	NR	NR	0
COAL ASH DOE	0.001		0	NR	NR	NR	NR	0
COAL ASH EPA	0.500		0	0	0	NR	NR	0
PCB TRANSFORMER	0.001		0	NR	NR	NR	NR	0
RADINFO	0.001		0	NR	NR	NR	NR	0
HIST FTTS	0.001		0	NR	NR	NR	NR	0
DOT OPS	0.001		0	NR	NR	NR	NR	0
CONSENT	1.000		0	0	0	0	NR	0
INDIAN RESERV	0.001		0	NR	NR	NR	NR	0
FUSRAP	1.000		0	0	0	0	NR	0
UMTRA	0.500		0	0	0	NR	NR	0
LEAD SMELTERS	0.001		0	NR	NR	NR	NR	0
US AIRS	0.001		0	NR	NR	NR	NR	0
US MINES	0.250		0	0	NR	NR	NR	0
ABANDONED MINES	0.001		0	NR	NR	NR	NR	0
FINDS	0.001		0	NR	NR	NR	NR	0
UXO	1.000		0	0	0	0	NR	0
DOCKET HWC	0.001		0	NR	NR	NR	NR	0
ECHO	0.001		0	NR	NR	NR	NR	0
FUELS PROGRAM	0.250		0	0	NR	NR	NR	0
CA BOND EXP. PLAN	1.000		0	0	0	0	NR	0
Cortese	0.500		0	0	0	NR	NR	0
CUPA Listings	0.250		0	0	NR	NR	NR	0
DRYCLEANERS	0.250		0	0	NR	NR	NR	0

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
EMI	0.001		0	NR	NR	NR	NR	0
ENF	0.001		0	NR	NR	NR	NR	0
Financial Assurance	0.001		0	NR	NR	NR	NR	0
HAZNET	0.001		0	NR	NR	NR	NR	0
ICE	0.001		0	NR	NR	NR	NR	0
HIST CORTESE	0.500		1	0	0	NR	NR	1
HWP	1.000		0	0	0	0	NR	0
HWT	0.250		0	0	NR	NR	NR	0
MINES	0.001		0	NR	NR	NR	NR	0
MWMP	0.250		0	0	NR	NR	NR	0
NPDES	0.001		0	NR	NR	NR	NR	0
PEST LIC	0.001		0	NR	NR	NR	NR	0
PROC	0.500		0	0	0	NR	NR	0
Notify 65	1.000		0	0	0	0	NR	0
UIC	0.001		0	NR	NR	NR	NR	0
UIC GEO	0.001		0	NR	NR	NR	NR	0
WASTEWATER PITS	0.500		0	0	0	NR	NR	0
WDS	0.001		0	NR	NR	NR	NR	0
MILITARY PRIV SITES	0.001		0	NR	NR	NR	NR	0
PROJECT	0.001		0	NR	NR	NR	NR	0
WDR	0.001		0	NR	NR	NR	NR	0
CIWQS	0.001		0	NR	NR	NR	NR	0
CERS	0.001		0	NR	NR	NR	NR	0
WIP	0.250		0	0	NR	NR	NR	0
NON-CASE INFO	0.001		0	NR	NR	NR	NR	0
OTHER OIL GAS	0.001		0	NR	NR	NR	NR	0
PROD WATER PONDS	0.001		0	NR	NR	NR	NR	0
SAMPLING POINT	0.001		0	NR	NR	NR	NR	0
WELL STIM PROJ	0.001		0	NR	NR	NR	NR	0
EDR HIGH RISK HISTORICAL RECORDS								
EDR Exclusive Records								
EDR MGP	1.000		0	0	0	0	NR	0
EDR Hist Auto	0.125		0	NR	NR	NR	NR	0
EDR Hist Cleaner	0.125		0	NR	NR	NR	NR	0
EDR RECOVERED GOVERNMENT ARCHIVES								
Exclusive Recovered Govt. Archives								
RGA LF	0.001		0	NR	NR	NR	NR	0
RGA LUST	0.001		0	NR	NR	NR	NR	0
- Totals --		0	8	4	0	0	0	12

NOTES:

TP = Target Property

NR = Not Requested at this Search Distance

Sites may be listed in more than one database

A1 North < 1/8 0.059 mi. 314 ft. | **PRINCE TRUCK STOP**
8632 HIGHWAY 166
BAKERSFIELD, CA 93313

Site 1 of 2 in cluster A

CERS TANKS **S121745378**
CERS **N/A**

Relative: Lower
Actual: 479 ft.

CERS TANKS:

Site ID:	144958
CERS ID:	10460461
CERS Description:	Underground Storage Tank

Violations:

Site ID:	144958
Site Name:	Prince Truck Stop
Violation Date:	09-22-2014
Citation:	HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Description:	Failure to complete and electronically submit a site map with all required content.
Violation Notes:	Returned to compliance on 09/29/2015. The facility's site map does not show the propane tank or the DEF tank. Update the site map in CERS to include the propane tank and the DEF UST.
Violation Division:	Kern County Env Health Services Department
Violation Program:	HMRRP
Violation Source:	CERS

Site ID:	144958
Site Name:	Prince Truck Stop
Violation Date:	09-06-2016
Citation:	23 CCR 16 2715(a) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2715(a)
Violation Description:	Failure to notify the CUPA of the designated operator (DO) identification and/or change of the DO within 30 days.
Violation Notes:	Returned to compliance on 09/23/2016. OBSERVATION: Failure to notify the CUPA, Kern County Environmental Health, of significant designated operator changes. During the on site records review, Mr. Shawn Rodriguez conducted the monthly inspections for June 2016, July 2016 and August 2016. The DO form submitted in CERS does not include Mr. Shawn Rodriguez (ICC# 8412602-UC). ***CORRECTIVE ACTION: Log in to CERS, upload a revised copy of the DO form that includes Mr. Shawn Rodriguez.
Violation Division:	Kern County Env Health Services Department
Violation Program:	UST
Violation Source:	CERS

Site ID:	144958
Site Name:	Prince Truck Stop
Violation Date:	09-28-2017
Citation:	HSC 6.75 25299.30-25299.34 - California Health and Safety Code, Chapter 6.75, Section(s) 25299.30-25299.34
Violation Description:	Failure to submit and maintain complete and current Certification of Financial Responsibility or other mechanism of financial assurance.
Violation Notes:	The financial numbers on the Chief Financial Office (CFO) letter appear to be incorrect. Item number should be at least $50,000.00. The calculations show a negative $500,000.00. Please review the financial information, correct as needed and resubmit update Chief Financial Officer Letter in CERS.
Violation Division:	Kern County Env Health Services Department
Violation Program:	UST
Violation Source:	CERS

PRINCE TRUCK STOP (Continued) **S121745378**

Site ID:	144958
Site Name:	Prince Truck Stop
Violation Date:	09-28-2017
Citation:	23 CCR 16 2715(f)(3) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2715(f)(3)
Violation Description:	Failure to maintain a list of employees trained by the designated operator on-site or off-site at a readily available location, if approved by the UPA.
Violation Notes:	There were no current Designated Operator (D.O.) Training for employees. Provide to this department documentation showing completed D.O. training. Please ensure that the employee training is being conducted annually.
Violation Division:	Kern County Env Health Services Department
Violation Program:	UST
Violation Source:	CERS

Site ID:	144958
Site Name:	Prince Truck Stop
Violation Date:	09-30-2015
Citation:	23 CCR 16 2715(c)(2) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2715(c)(2)
Violation Description:	Failure to comply with one or more of the following: maintain the spill bucket in good condition, containment free of debris/liquid, and/or to remove the contents of the spill bucket when a release/leak/spill was observed.
Violation Notes:	Returned to compliance on 09/30/2015. During the monitoring certification, it was noted that the diesel spill bucket had a collection of diesel. Spill buckets shall be maintained free of debris and liquid. The monitoring certification tester removed the diesel during the inspection. THIS VIOLATION WAS CORRECTED ON SITE, NO FURTHER ACTION REQUIRED.
Violation Division:	Kern County Env Health Services Department
Violation Program:	UST
Violation Source:	CERS

Site ID:	144958
Site Name:	Prince Truck Stop
Violation Date:	09-27-2013
Citation:	23 CCR 16 2712(i) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2712(i)
Violation Description:	Failure to submit, obtain approval, or maintain a complete/accurate response plan.
Violation Notes:	Returned to compliance on 03/10/2014. OPEN AN ACCOUNT ON http://cers.calepa.ca.gov , THEN, SUBMIT THE REQUIRED DOCUMENT TO CERS WEBSITE.
Violation Division:	Kern County Env Health Services Department
Violation Program:	UST
Violation Source:	CERS

Site ID:	144958
Site Name:	Prince Truck Stop
Violation Date:	09-27-2013
Citation:	23 CCR 16 2711(a)(8) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2711(a)(8)
Violation Description:	Failure to submit, obtain approval, or maintain a complete/accurate plot plan.
Violation Notes:	Returned to compliance on 03/10/2014. OPEN AN ACCOUNT ON

PRINCE TRUCK STOP (Continued) **S121745378**

	http://cers.calepa.ca.gov , THEN, SUBMIT THE REQUIRED DOCUMENT TO CERS WEBSITE.
Violation Division:	Kern County Env Health Services Department
Violation Program:	UST
Violation Source:	CERS
Site ID:	144958
Site Name:	Prince Truck Stop
Violation Date:	09-27-2013
Citation:	19 CCR 4 2729.5 - California Code of Regulations, Title 19, Chapter 4, Section(s) 2729.5
Violation Description:	Failure to submit inventory reports (Activities, Owner/Operator, Hazardous Materials Descriptions and Map pages, if required. Documentation must be resubmitted (for facilities which exceed EPCRA thresholds) or re-certified (for facilities which do not exceed EPCRA thresholds) by March 1.
Violation Notes:	Returned to compliance on 03/10/2014. OPEN AN ACCOUNT ON http://cers.calepa.ca.gov , THEN, SUBMIT THE REQUIRED DOCUMENT TO CERS WEBSITE.
Violation Division:	Kern County Env Health Services Department
Violation Program:	UST
Violation Source:	CERS
Site ID:	144958
Site Name:	Prince Truck Stop
Violation Date:	09-28-2017
Citation:	23 CCR 16 2636(f)(2) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2636(f)(2)
Violation Description:	Failure of the line leak detector (LLD) monitoring pressurized piping to meet one or more of the following requirements:Monitor at least hourly.Be capable of detecting a release of 3.0 gallons per hour at 10 p.s.i.g. Restrict or shut off the flow of product through the piping when a leak is detected.
Violation Notes:	Returned to compliance on 10/10/2017. The Diesel Electronic Line Leak Detector (PLLD) was unable to detect a 3.0 gallon per hour leak. The operator shall replace and install a new PLLD , retest and submit passing test results within 7 days.
Violation Division:	Kern County Env Health Services Department
Violation Program:	UST
Violation Source:	CERS
Site ID:	144958
Site Name:	Prince Truck Stop
Violation Date:	09-27-2013
Citation:	HSC 6.95 25504(b) - California Health and Safety Code, Chapter 6.95, Section(s) 25504(b)
Violation Description:	Failure to include adequate emergency response procedures in the business plan for a release or threatened release.
Violation Notes:	Returned to compliance on 03/10/2014. OPEN AN ACCOUNT ON http://cers.calepa.ca.gov , THEN, SUBMIT THE REQUIRED DOCUMENT TO CERS WEBSITE.
Violation Division:	Kern County Env Health Services Department
Violation Program:	UST
Violation Source:	CERS
Site ID:	144958
Site Name:	Prince Truck Stop

PRINCE TRUCK STOP (Continued) **S121745378**

Violation Date:	09-06-2016
Citation:	23 CCR 16 2665 - California Code of Regulations, Title 23, Chapter 16, Section(s) 2665
Violation Description:	Failure to comply with one or more of the following: Failure to install or maintain a liquid-tight spill bucket. Have a minimum capacity of five gallons. Have a functional drain valve or other method for the removal of liquid from the spill bucket/spill container. Be resistant to galvanic corrosion.
Violation Notes:	Returned to compliance on 09/06/2016. OBSERVATION: At the time of the inspection the spill bucket for the 91 fill failed to hold the 5 gallon capacity. ***CORRECTIVE ACTION: The tester removed, tightened/repositioned the drain valve. The bucket was retested and passed the one hour test. CORRECTED ON SITE, NO FURTHER ACTION REQUIRED.
Violation Division:	Kern County Env Health Services Department
Violation Program:	UST
Violation Source:	CERS
Site ID:	144958
Site Name:	Prince Truck Stop
Violation Date:	09-27-2013
Citation:	HSC 6.95 25504(a) - California Health and Safety Code, Chapter 6.95, Section(s) 25504(a)
Violation Description:	Failure to complete and/or submit hazardous material inventory forms for all reportable hazardous materials on site.
Violation Notes:	Returned to compliance on 03/10/2014. OPEN AN ACCOUNT ON http://cers.calepa.ca.gov , THEN, SUBMIT THE REQUIRED DOCUMENT TO CERS WEBSITE.
Violation Division:	Kern County Env Health Services Department
Violation Program:	UST
Violation Source:	CERS
Site ID:	144958
Site Name:	Prince Truck Stop
Violation Date:	09-22-2014
Citation:	HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Description:	Failure to complete and electronically submit hazardous material inventory information for all reportable hazardous materials on site at or above reportable quantities.
Violation Notes:	Returned to compliance on 09/29/2015. The propane tank east of the building was not listed on the hazardous materials inventory. Update the inventory in CERS to include the propane.
Violation Division:	Kern County Env Health Services Department
Violation Program:	HMRRP
Violation Source:	CERS
Site ID:	144958
Site Name:	Prince Truck Stop
Violation Date:	09-27-2013
Citation:	HSC 6.7 25284(a)(3) - California Health and Safety Code, Chapter 6.7, Section(s) 25284(a)(3)
Violation Description:	Failure to submit, maintain, or implement an owner/operator written agreement.
Violation Notes:	Returned to compliance on 03/10/2014. OPEN AN ACCOUNT ON http://cers.calepa.ca.gov , THEN, SUBMIT THE REQUIRED DOCUMENT TO CERS WEBSITE.

PRINCE TRUCK STOP (Continued) **S121745378**

Violation Division: Kern County Env Health Services Department
Violation Program: UST
Violation Source: CERS

Site ID: 144958
Site Name: Prince Truck Stop
Violation Date: 09-06-2016
Citation: 23 CCR 16 2712(b) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2712(b)
Violation Description: Failure to maintain records of repairs, lining, and upgrades on site, or off site if approved by the CUPA, for the life of the UST.
Violation Notes: Returned to compliance on 09/28/2017. OBSERVATION: This violation is a repeat violation from 2015. Prince Palace has failed to conduct daily inspections of the monitoring panel. At the time of the inspection, the facility conducted daily inspections from November-2015 through March-2016. The daily inspections for April-2016 were not conducted. In May-2016 only the following dates were conducted: 05/1/2016, 05/02/2016, 05/03/2016. The daily inspections for June-2016, July-2016, August-2016, present were not readily available. In speaking to the cashiers on site, they both stated that the inspection logs were not being conducted because they were unaware about the daily inspections. The cashiers were informed and trained on site to resume performing these inspections of the daily logs. Inspector Evie Shamoon will stop by unannounced to verify compliance. ***CORRECTIVE ACTION: Resume conducting the daily inspections of the monitoring panel. Inspector Evie Shamoon will stop by unannounced to verify [Truncated]
Violation Division: Kern County Env Health Services Department
Violation Program: UST
Violation Source: CERS

Site ID: 144958
Site Name: Prince Truck Stop
Violation Date: 09-28-2017
Citation: 23 CCR 16 2632(d)(1)(C), 2641(h), 2711(a)(8) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2632(d)(1)(C), 2641(h), 2711(a)(8)
Violation Description: Failure to submit or update a plot plan.
Violation Notes: Although some of the corrections have been made to the plot map, there is still sensor identification missing on the Fill sumps. Please add the 208 and 304 sensors to the fill sumps on the map, upload and submit in CERS.
Violation Division: Kern County Env Health Services Department
Violation Program: UST
Violation Source: CERS

Site ID: 144958
Site Name: Prince Truck Stop
Violation Date: 09-06-2016
Citation: 23 CCR 16 2641(a) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2641(a)
Violation Description: Failure of leak detection equipment to be located such that equipment is capable of detecting a leak at the earliest possible opportunity.
Violation Notes: Returned to compliance on 09/27/2016. OBSERVATION: At the time of the inspection, the 208 fuel sensor for the Diesel STP sump was positioned at a 45 degree angle. The sensor fails to detect accumulation of liquid at the earliest point of release. ***CORRECTIVE ACTION: The

PRINCE TRUCK STOP (Continued) **S121745378**

	sensor was repositioned by the tester. CORRECTED ON SITE, NO FURTHER ACTION REQUIRED.
Violation Division:	Kern County Env Health Services Department
Violation Program:	UST
Violation Source:	CERS
Site ID:	144958
Site Name:	Prince Truck Stop
Violation Date:	09-27-2013
Citation:	HSC 6.95 25505(a) - California Health and Safety Code, Chapter 6.95, Section(s) 25505(a)
Violation Description:	Owner/Operator failed to complete and/or submit a Hazardous Materials Business Plan when storing hazardous materials at or above the thresholds quantities of 55 gallons/500 lbs/200 cubic feet.
Violation Notes:	Returned to compliance on 03/10/2014. OPEN AN ACCOUNT ON http://cers.calepa.ca.gov , THEN, SUBMIT THE REQUIRED INFORMATION TO CERS WEBSITE.
Violation Division:	Kern County Env Health Services Department
Violation Program:	UST
Violation Source:	CERS
Site ID:	144958
Site Name:	Prince Truck Stop
Violation Date:	09-06-2016
Citation:	23 CCR 16 2632(d)(1)(C), 2641(h), 2711(a)(8) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2632(d)(1)(C), 2641(h), 2711(a)(8)
Violation Description:	Failure to submit or update a plot plan.
Violation Notes:	OBSERVATION: The plot plan submitted in CERS fails to depict the correct UST system layout. The sumps are miss labeled, the piping configuration does not represent the actual set up, the vent box location is missing, the type of tank sensors are not listed, interstitial monitoring of UDC's are not listed, orientation arrow is missing, emergency shut off (ESO) is not listed. ***CORRECTIVE ACTION: Log in CERS and upload a revised map that is representative of Prince Palace Truck Stop.
Violation Division:	Kern County Env Health Services Department
Violation Program:	UST
Violation Source:	CERS
Site ID:	144958
Site Name:	Prince Truck Stop
Violation Date:	02-25-2014
Citation:	HSC 6.95 25505(a) - California Health and Safety Code, Chapter 6.95, Section(s) 25505(a)
Violation Description:	Owner/Operator failed to complete and/or submit a Hazardous Materials Business Plan when storing hazardous materials at or above the thresholds quantities of 55 gallons/500 lbs/200 cubic feet.
Violation Notes:	Returned to compliance on 03/10/2014. Failure to submit in CERS
Violation Division:	Kern County Env Health Services Department
Violation Program:	HMRRP
Violation Source:	CERS
Site ID:	144958
Site Name:	Prince Truck Stop
Violation Date:	09-30-2015
Citation:	23 CCR 16 2641(a) - California Code of Regulations, Title 23, Chapter

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16, Section(s) 2641(a)
Violation Description: Failure of sensor to be located in the proper position/location.
Violation Notes: Returned to compliance on 09/30/2015. Sensors/monitoring equipment shall be capable of detecting a leak a the earliest possible opportunity. During the inspection it was noted that the following fuel alarm (208) sensors were not completely upright and were tilted at an angle: UDC 1/2, UDC 3/4, UDC 5/6, UDC 7/8, UDC 9/10, UDC 19, UDC 17, UDC 19 The last DO monthly report (Page 1, Question #8) states that all fuel alarm sensors are positioned properly. Please ensure that the sensors are properly positioned at all times. The tester was notified and positioned the sensors in the proper position. THIS VIOLATION WAS CORRECTED ON SITE, NO FURTHER ACTION REQUIRED.
Violation Division: Kern County Env Health Services Department
Violation Program: UST
Violation Source: CERS

Site ID: 144958
Site Name: Prince Truck Stop
Violation Date: 09-30-2015
Citation: HSC 6.7 25291 - California Health and Safety Code, Chapter 6.7, Section(s) 25291
Violation Description: Failure to maintain under-dispenser containment, sumps, and/or other secondary containment in good condition and/or free of debris/liquid.
Violation Notes: Returned to compliance on 12/30/2015. During the monitoring certification, it was noted that the multiple under dispenser containment (UDC's) had a collection of liquid and/or debris. UDC's shall be maintained free of debris and liquid. - UDC#1/2: There is a collection of pink colored liquid at the bottom of the under dispenser containment. This liquid appears to be pink like the brine in the brine resevoir. Note: the brine in the resevoir is rather low. - UDC#3/4: There is seepage just below the shear valve, there is a spot below the flex pipe and at the bottom of under dispenser containment. - UDC #16: There is a substantial amount of liquid at the bottom of the under dispenser containment. This liquid appears to be diesel since it has a sheen coating and has a smell of fuel. -UDC #9/10: There is seepage just below the shear valve, there is a spot below the flex pipe and at the bottom of under dispenser containment. - UDC #11/12: There is an old shop rag inside of the UDC along with a [Truncated]
Violation Division: Kern County Env Health Services Department
Violation Program: UST
Violation Source: CERS

Site ID: 144958
Site Name: Prince Truck Stop
Violation Date: 09-30-2015
Citation: 23 CCR 16 2636(f)(1) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2636(f)(1)
Violation Description: Failure of the double wall pressurized piping in the under dispenser containment to be continuously monitored by a method that either shuts down the flow of product to the dispenser or activates an audible/visual alarm when a leak is detected.
Violation Notes: Returned to compliance on 12/30/2015. During the monitoring certification, the UDC brine sensor-420 was tested multiple times and deemed to be a bad sensor. The brine sensor-420 failed to detect "low liquid" and failed to send an audible alarm to the monitoring panel. To abate this violation the sensor shall be replaced and i will need

PRINCE TRUCK STOP (Continued) **S121745378**

	retest results that indicate that this sensor records a PASS
Violation Division:	Kern County Env Health Services Department
Violation Program:	UST
Violation Source:	CERS
Site ID:	144958
Site Name:	Prince Truck Stop
Violation Date:	09-22-2014
Citation:	23 CCR 16 2715(f) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2715(f)
Violation Description:	Failure to comply with one or more of the following: provide training to facility employee(s) responsible for proper operation and maintenance every 12 months and/or train new employee(s) who are responsible for proper operation and maintenance within 30-days of hire and/or to have at least one employee present during operating hours that has been trained in the proper operation and maintenance of the UST system.
Violation Notes:	Returned to compliance on 09/11/2015. The only employee onsite for the afternoon shift was not familiar with the UST protocols and indicated that she had not been trained yet. New employees are to be trained with 30 days of employment and at least one employee trained on the proper procedures and maintenance of the USTs must be onsite during operating hours. Within 30 days, provide proof that all employees have been trained on the proper procedures and maintenance of the USTs.
Violation Division:	Kern County Env Health Services Department
Violation Program:	UST
Violation Source:	CERS
Site ID:	144958
Site Name:	Prince Truck Stop
Violation Date:	09-27-2013
Citation:	HSC 6.7 25286(a) - California Health and Safety Code, Chapter 6.7, Section(s) 25286(a)
Violation Description:	Failure to prepare, maintain, and submit accurate CUPA UST Operating Permit Application for Facility information and/or Tank information.
Violation Notes:	Returned to compliance on 03/10/2014. OPEN AN ACCOUNT ON http://cers.calepa.ca.gov , THEN, SUBMIT THE REQUIRED DOCUMENT TO CERS WEBSITE.
Violation Division:	Kern County Env Health Services Department
Violation Program:	UST
Violation Source:	CERS
Site ID:	144958
Site Name:	Prince Truck Stop
Violation Date:	09-27-2013
Citation:	19 CCR 4 2729.2(a)(3) - California Code of Regulations, Title 19, Chapter 4, Section(s) 2729.2(a)(3)
Violation Description:	Failure to complete and/or submit an annotated site map if required by CUPA.
Violation Notes:	Returned to compliance on 03/10/2014. OPEN AN ACCOUNT ON http://cers.calepa.ca.gov , THEN, SUBMIT THE REQUIRED DOCUMENT TO CERS WEBSITE.
Violation Division:	Kern County Env Health Services Department
Violation Program:	UST
Violation Source:	CERS
Site ID:	144958

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Site Name: Prince Truck Stop
Violation Date: 09-30-2015
Citation: 23 CCR 16 2712(b) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2712(b)
Violation Description: Failure to maintain records of repairs, lining, and upgrades on site, or off site if approved by the CUPA, for the life of the underground storage tank and/or failure to maintain written monitoring and maintenance records on site, or off site if approved by the CUPA, for a period of 3 years, 6 1/2 years for cathodic protection, and 5 years for written performance claims pertaining to release detection systems and calibration and maintenance records for such systems.
Violation Notes: Returned to compliance on 04/01/2016. Failure to maintain Daily inspection logs. During the inspection the Daily Inspection Forms were not available for review. Begin recording the daily visual inspection of the monitoring panel. A sample form will be provided, feel free to utilize this form or create a form like the one provided. PLEASE SUBMIT TO THIS DEPARTMENT ONE COMPLETED MONTH OF COMPLETED RECORDS.
Violation Division: Kern County Env Health Services Department
Violation Program: UST
Violation Source: CERS

Site ID: 144958
Site Name: Prince Truck Stop
Violation Date: 09-06-2016
Citation: HSC 6.7 25290.1(c)(3), 25290.2(c)(3) - California Health and Safety Code, Chapter 6.7, Section(s) 25290.1(c)(3), 25290.2(c)(3)
Violation Description: Failure to keep water out of the secondary containment of UST systems installed on or after July 1, 2003 and before July 1, 2004, or on or after July 1, 2004.
Violation Notes: Returned to compliance on 09/23/2016. OBSERVATION: At the time of the inspection, the Diesel STP sump was found with about 1" of liquid that appears to be diesel. ***CORRECTIVE ACTION: Remove the liquid accumulation from the sump and send photograph of Diesel STP sump after it has been cleaned. Photograph shall be sent to shamoone@co.kern.ca.us
Violation Division: Kern County Env Health Services Department
Violation Program: UST
Violation Source: CERS

Site ID: 144958
Site Name: Prince Truck Stop
Violation Date: 09-27-2013
Citation: 19 CCR 4 2729.2(a)(1) - California Code of Regulations, Title 19, Chapter 4, Section(s) 2729.2(a)(1)
Violation Description: Owner/Operator failed to complete and/or submit the Business Activities Page and/or Business Owner Operator Identification Page.
Violation Notes: Returned to compliance on 03/10/2014. OPEN AN ACCOUNT ON http://cers.calepa.ca.gov , THEN, SUBMIT THE REQUIRED DOCUMENT TO CERS WEBSITE.
Violation Division: Kern County Env Health Services Department
Violation Program: UST
Violation Source: CERS

Site ID: 144958
Site Name: Prince Truck Stop
Violation Date: 09-27-2013
Citation: 23 CCR 16 2715(b) - California Code of Regulations, Title 23, Chapter

PRINCE TRUCK STOP (Continued) **S121745378**

	16, Section(s) 2715(b)
Violation Description:	Failure to submit statement of UST compliance and/or Designated Operator current certification.
Violation Notes:	Returned to compliance on 03/10/2014. OPEN AN ACCOUNT ON http://cers.calepa.ca.gov , THEN, SUBMIT THE REQUIRED DOCUMENT TO CERS WEBSITE.
Violation Division:	Kern County Env Health Services Department
Violation Program:	UST
Violation Source:	CERS
Site ID:	144958
Site Name:	Prince Truck Stop
Violation Date:	09-27-2013
Citation:	HSC 6.7 25286 - California Health and Safety Code, Chapter 6.7, Section(s) 25286
Violation Description:	Failure to obtain and maintain a valid Board of Equalization account number.
Violation Notes:	Returned to compliance on 03/10/2014. OPEN AN ACCOUNT ON http://cers.calepa.ca.gov , THEN, PROVIDE A VALID BOARD OF EQUALIZATION (BOE) ACCOUNT NUMBER TO CERS WEBSITE.
Violation Division:	Kern County Env Health Services Department
Violation Program:	UST
Violation Source:	CERS

Evaluation:

Eval General Type:	Compliance Evaluation Inspection
Eval Date:	09-22-2014
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	The facility's UST information was updated in the California Environmental Reporting System (CERS) on 06/11/2014. The following problems were noted: 1. The Financial Responsibility Mechanism must be included on the Facility Operating Permit Application 2. The tank sizes and configurations do not match the Site Plan 3. The primary containment of a Xerxes tank is FRP 4. The tank and product piping secondary containment is monitored by vacuum or liquid must also include the type of sensors used for the VPH system. 5. The UDC monitoring is not pressure. 6. Periodic secondary containment testing is not required on VPH systems. 7. Visual inspection records are required. 8. The Certificate of Financial Responsibility needs the secondary mechanism type and also needs to be witnessed. 9. The CFO letter shows a negative net worth and is not acceptable. These are potential violations. 10. The diesel tank is the 30,000 gallon stand alone tank These must [Truncated]
Eval Division:	Kern County Env Health Services Department
Eval Program:	UST
Eval Source:	CERS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	09-28-2017
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	Not reported
Eval Division:	Kern County Env Health Services Department
Eval Program:	UST
Eval Source:	CERS

PRINCE TRUCK STOP (Continued) **S121745378**

Eval General Type:	Other/Unknown
Eval Date:	10-06-2017
Violations Found:	No
Eval Type:	Other, not routine, done by local agency
Eval Notes:	Contractor did not show up or notify our department of cancellation.
Eval Division:	Kern County Env Health Services Department
Eval Program:	UST
Eval Source:	CERS

Eval General Type:	Compliance Evaluation Inspection
Eval Date:	09-27-2013
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	THIS IS A NEWLY CONSTRUCTED FACILITY THAT IS NOT YET IN FULL OPERATION. FACILITY NOT OPENED AT THE TIME OF ROUTINE INSPECTION.
Eval Division:	Kern County Env Health Services Department
Eval Program:	UST
Eval Source:	CERS

Eval General Type:	Other/Unknown
Eval Date:	09-22-2014
Violations Found:	No
Eval Type:	Other, not routine, done by local agency
Eval Notes:	Not reported
Eval Division:	Kern County Env Health Services Department
Eval Program:	UST
Eval Source:	CERS

Eval General Type:	Compliance Evaluation Inspection
Eval Date:	09-22-2014
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	Not reported
Eval Division:	Kern County Env Health Services Department
Eval Program:	HMRRP
Eval Source:	CERS

Eval General Type:	Compliance Evaluation Inspection
Eval Date:	09-30-2015
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	The L17 has been in alarm multiple times between June 2015 through September 2015. The L17 sensor displays a low liquid alarm and contained low amount of brine. Please check all hoses and connections to ensure that the brine resevoirs are not leaking. Many UDC brine resevoirs are also low in brine. It is highly recommended that the brine liquid is replenished to avoid future low liquid alarms. Reminder: Please ensure that all sensors are positioned correctly at all times. You will have thirty (30) days from the date the violation was cited to come into full compliance. Once all violations have been completed, sign the last page of this inspection report to confirm full compliance has been met. Please send me a scanned copy to my email at Shamoone@co.kern.ca.us This inspection was performed by Evie Shamoon with Gabriel Rubio's guidance.
Eval Division:	Kern County Env Health Services Department
Eval Program:	UST
Eval Source:	CERS

PRINCE TRUCK STOP (Continued) **S121745378**

Eval General Type: Other/Unknown
Eval Date: 10-06-2017
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Not reported
Eval Division: Kern County Env Health Services Department
Eval Program: UST
Eval Source: CERS

Eval General Type: Other/Unknown
Eval Date: 02-25-2014
Violations Found: Yes
Eval Type: Other, not routine, done by local agency
Eval Notes: Not reported
Eval Division: Kern County Env Health Services Department
Eval Program: HMRRP
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 09-06-2016
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Be aware that the Letter from Chief Financial Officer (CFO) expires on September 24, 2016. To remain in compliance an updated CFO letter shall be uploaded in CERS on or before 09/24/2016. You will have thirty (30) days from the date the violation(s) were cited to come into full compliance. Once all violations have been completed, sign the last page of this inspection report to confirm full compliance has been met and send it to me via email at Shamoone@co.kern.ca.us Should you have any questions, please don't hesitate to contact me.
Eval Division: Kern County Env Health Services Department
Eval Program: UST
Eval Source: CERS

Eval General Type: Other/Unknown
Eval Date: 09-24-2013
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Not reported
Eval Division: Kern County Env Health Services Department
Eval Program: UST
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 09-28-2017
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Kern County Env Health Services Department
Eval Program: HMRRP
Eval Source: CERS

Enforcement Action:
Site ID: 144958
Site Name: Prince Truck Stop
Site Address: 8632 HIGHWAY 166
Site City: BAKERSFIELD

PRINCE TRUCK STOP (Continued) **S121745378**

Site Zip:	93313
Enf Action Date:	01-29-2014
Enf Action Type:	Notice of Violation (Unified Program)
Enf Action Description:	Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes:	Not reported
Enf Action Division:	Kern County Env Health Services Department
Enf Action Program:	UST
Enf Action Source:	CERS

Site ID:	144958
Site Name:	Prince Truck Stop
Site Address:	8632 HIGHWAY 166
Site City:	BAKERSFIELD
Site Zip:	93313
Enf Action Date:	02-25-2014
Enf Action Type:	Notice of Violation (Unified Program)
Enf Action Description:	Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes:	Not reported
Enf Action Division:	Kern County Env Health Services Department
Enf Action Program:	HMRRP
Enf Action Source:	CERS

Site ID:	144958
Site Name:	Prince Truck Stop
Site Address:	8632 HIGHWAY 166
Site City:	BAKERSFIELD
Site Zip:	93313
Enf Action Date:	09-22-2014
Enf Action Type:	Notice of Violation (Unified Program)
Enf Action Description:	Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes:	Not reported
Enf Action Division:	Kern County Env Health Services Department
Enf Action Program:	HMRRP
Enf Action Source:	CERS

Site ID:	144958
Site Name:	Prince Truck Stop
Site Address:	8632 HIGHWAY 166
Site City:	BAKERSFIELD
Site Zip:	93313
Enf Action Date:	09-22-2014
Enf Action Type:	Notice of Violation (Unified Program)
Enf Action Description:	Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes:	Not reported
Enf Action Division:	Kern County Env Health Services Department
Enf Action Program:	UST
Enf Action Source:	CERS

Site ID:	144958
Site Name:	Prince Truck Stop
Site Address:	8632 HIGHWAY 166
Site City:	BAKERSFIELD
Site Zip:	93313
Enf Action Date:	09-27-2013
Enf Action Type:	Notice of Violation (Unified Program)
Enf Action Description:	Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes:	Not reported

PRINCE TRUCK STOP (Continued) **S121745378**

Enf Action Division:	Kern County Env Health Services Department
Enf Action Program:	UST
Enf Action Source:	CERS

Site ID:	144958
Site Name:	Prince Truck Stop
Site Address:	8632 HIGHWAY 166
Site City:	BAKERSFIELD
Site Zip:	93313
Enf Action Date:	09-30-2015
Enf Action Type:	Notice of Violation (Unified Program)
Enf Action Description:	Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes:	Not reported
Enf Action Division:	Kern County Env Health Services Department
Enf Action Program:	UST
Enf Action Source:	CERS

Coordinates:

Site ID:	144958
Facility Name:	Prince Truck Stop
Env Int Type Code:	HMBP
Program ID:	10460461
Coord Name:	Not reported
Ref Point Type Desc:	Center of a facility or station.
Latitude:	35.059360
Longitude:	-119.005390

Affiliation:

Affiliation Type Desc:	Facility Mailing Address
Entity Name:	Mailing Address
Entity Title:	Not reported
Affiliation Address:	8632 HWY 166
Affiliation City:	BAKERSFIELD
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	93313
Affiliation Phone:	Not reported

Affiliation Type Desc:	Identification Signer
Entity Name:	DALJINDER CHAUHAN
Entity Title:	OWNER
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported

Affiliation Type Desc:	Legal Owner
Entity Name:	DALJINDER CHAUHAN
Entity Title:	Not reported
Affiliation Address:	8632 HWY 166
Affiliation City:	BAKERSFIELD
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	93313

PRINCE TRUCK STOP (Continued) **S121745378**

Affiliation Phone:	(661) 203-8050
Affiliation Type Desc:	UST Permit Applicant
Entity Name:	Daljinder Chauhan
Entity Title:	OWNER
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	(661) 203-8050
Affiliation Type Desc:	UST Tank Owner
Entity Name:	DALJINDER CHAUHAN
Entity Title:	Not reported
Affiliation Address:	8632 HWY 166
Affiliation City:	BAKERSFIELD
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	93313
Affiliation Phone:	(661) 203-8050
Affiliation Type Desc:	Document Preparer
Entity Name:	Adam Taylor
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported
Affiliation Type Desc:	Parent Corporation
Entity Name:	Prince Truck Stop
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported
Affiliation Type Desc:	UST Property Owner Name
Entity Name:	DALJINDER CHAUHAN
Entity Title:	Not reported
Affiliation Address:	8632 HWY 166
Affiliation City:	BAKERSFIELD
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	93313
Affiliation Phone:	(661) 203-8050
Affiliation Type Desc:	CUPA District
Entity Name:	Kern County Environmental Health Services Departme
Entity Title:	Not reported
Affiliation Address:	2700 M Street, Suite 300
Affiliation City:	Bakersfield

PRINCE TRUCK STOP (Continued) **S121745378**

Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 93301-2370
Affiliation Phone: (661) 862-8740

Affiliation Type Desc: Environmental Contact
Entity Name: DALJINDER CHAUHAN
Entity Title: Not reported
Affiliation Address: 8632 HWY 166
Affiliation City: BAKERSFIELD
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 93313
Affiliation Phone: (661) 203-8050

Affiliation Type Desc: Operator
Entity Name: DALJINDER CHAUHAN
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: (661) 203-8050

Affiliation Type Desc: Property Owner
Entity Name: DALJINDER CHAUHAN
Entity Title: Not reported
Affiliation Address: 8632 HWY 166
Affiliation City: BAKERSFIELD
Affiliation State: CA
Affiliation Country: United States
Affiliation Zip: 93313
Affiliation Phone: (661) 203-8050

Affiliation Type Desc: UST Tank Operator
Entity Name: DALJINDER CHAUHAN
Entity Title: Not reported
Affiliation Address: 8632 HWY 166
Affiliation City: BAKERSFIELD
Affiliation State: CA
Affiliation Country: United States
Affiliation Zip: 93313
Affiliation Phone: (661) 203-8050

CERS TANKS:
Site ID: 144958
CERS ID: 10460461
CERS Description: Chemical Storage Facilities

Violations:
Site ID: 144958
Site Name: Prince Truck Stop
Violation Date: 09-22-2014
Citation: HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)

PRINCE TRUCK STOP (Continued) **S121745378**

Violation Description:	Failure to complete and electronically submit a site map with all required content.
Violation Notes:	Returned to compliance on 09/29/2015. The facility's site map does not show the propane tank or the DEF tank. Update the site map in CERS to include the propane tank and the DEF UST.
Violation Division:	Kern County Env Health Services Department
Violation Program:	HMRRP
Violation Source:	CERS
Site ID:	144958
Site Name:	Prince Truck Stop
Violation Date:	09-06-2016
Citation:	23 CCR 16 2715(a) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2715(a)
Violation Description:	Failure to notify the CUPA of the designated operator (DO) identification and/or change of the DO within 30 days.
Violation Notes:	Returned to compliance on 09/23/2016. OBSERVATION: Failure to notify the CUPA, Kern County Environmental Health, of significant designated operator changes. During the on site records review, Mr. Shawn Rodriguez conducted the monthly inspections for June 2016, July 2016 and August 2016. The DO form submitted in CERS does not include Mr. Shawn Rodriguez (ICC# 8412602-UC). ***CORRECTIVE ACTION: Log in to CERS, upload a revised copy of the DO form that includes Mr. Shawn Rodriguez.
Violation Division:	Kern County Env Health Services Department
Violation Program:	UST
Violation Source:	CERS
Site ID:	144958
Site Name:	Prince Truck Stop
Violation Date:	09-28-2017
Citation:	HSC 6.75 25299.30-25299.34 - California Health and Safety Code, Chapter 6.75, Section(s) 25299.30-25299.34
Violation Description:	Failure to submit and maintain complete and current Certification of Financial Responsibility or other mechanism of financial assurance.
Violation Notes:	The financial numbers on the Chief Financial Office (CFO) letter appear to be incorrect. Item number should be at least $50,000.00. The calculations show a negative $500,000.00. Please review the financial information, correct as needed and resubmit update Chief Financial Officer Letter in CERS.
Violation Division:	Kern County Env Health Services Department
Violation Program:	UST
Violation Source:	CERS
Site ID:	144958
Site Name:	Prince Truck Stop
Violation Date:	09-28-2017
Citation:	23 CCR 16 2715(f)(3) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2715(f)(3)
Violation Description:	Failure to maintain a list of employees trained by the designated operator on-site or off-site at a readily available location, if approved by the UPA.
Violation Notes:	There were no current Designated Operator (D.O.) Training for employees. Provide to this department documentation showing completed D.O. training. Please ensure that the employee training is being conducted annually.
Violation Division:	Kern County Env Health Services Department

PRINCE TRUCK STOP (Continued) **S121745378**

Violation Program: UST
Violation Source: CERS

Site ID: 144958
Site Name: Prince Truck Stop
Violation Date: 09-30-2015
Citation: 23 CCR 16 2715(c)(2) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2715(c)(2)
Violation Description: Failure to comply with one or more of the following: maintain the spill bucket in good condition, containment free of debris/liquid, and/or to remove the contents of the spill bucket when a release/leak/spill was observed.
Violation Notes: Returned to compliance on 09/30/2015. During the monitoring certification, it was noted that the diesel spill bucket had a collection of diesel. Spill buckets shall be maintained free of debris and liquid. The monitoring certification tester removed the diesel during the inspection. THIS VIOLATION WAS CORRECTED ON SITE, NO FURTHER ACTION REQUIRED.
Violation Division: Kern County Env Health Services Department
Violation Program: UST
Violation Source: CERS

Site ID: 144958
Site Name: Prince Truck Stop
Violation Date: 09-27-2013
Citation: 23 CCR 16 2712(i) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2712(i)
Violation Description: Failure to submit, obtain approval, or maintain a complete/accurate response plan.
Violation Notes: Returned to compliance on 03/10/2014. OPEN AN ACCOUNT ON http://cers.calepa.ca.gov , THEN, SUBMIT THE REQUIRED DOCUMENT TO CERS WEBSITE.
Violation Division: Kern County Env Health Services Department
Violation Program: UST
Violation Source: CERS

Site ID: 144958
Site Name: Prince Truck Stop
Violation Date: 09-27-2013
Citation: 23 CCR 16 2711(a)(8) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2711(a)(8)
Violation Description: Failure to submit, obtain approval, or maintain a complete/accurate plot plan.
Violation Notes: Returned to compliance on 03/10/2014. OPEN AN ACCOUNT ON http://cers.calepa.ca.gov , THEN, SUBMIT THE REQUIRED DOCUMENT TO CERS WEBSITE.
Violation Division: Kern County Env Health Services Department
Violation Program: UST
Violation Source: CERS

Site ID: 144958
Site Name: Prince Truck Stop
Violation Date: 09-27-2013
Citation: 19 CCR 4 2729.5 - California Code of Regulations, Title 19, Chapter 4, Section(s) 2729.5
Violation Description: Failure to submit inventory reports (Activities, Owner/Operator, Hazardous Materials Descriptions and Map pages, if required.

PRINCE TRUCK STOP (Continued) **S121745378**

	Documentation must be resubmitted (for facilities which exceed EPCRA thresholds) or re-certified (for facilities which do not exceed EPCRA thresholds) by March 1.
Violation Notes:	Returned to compliance on 03/10/2014. OPEN AN ACCOUNT ON http://cers.calepa.ca.gov , THEN, SUBMIT THE REQUIRED DOCUMENT TO CERS WEBSITE.
Violation Division:	Kern County Env Health Services Department
Violation Program:	UST
Violation Source:	CERS
Site ID:	144958
Site Name:	Prince Truck Stop
Violation Date:	09-28-2017
Citation:	23 CCR 16 2636(f)(2) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2636(f)(2)
Violation Description:	Failure of the line leak detector (LLD) monitoring pressurized piping to meet one or more of the following requirements:Monitor at least hourly.Be capable of detecting a release of 3.0 gallons per hour at 10 p.s.i.g. Restrict or shut off the flow of product through the piping when a leak is detected.
Violation Notes:	Returned to compliance on 10/10/2017. The Diesel Electronic Line Leak Detector (PLLD) was unable to detect a 3.0 gallon per hour leak. The operator shall replace and install a new PLLD , retest and submit passing test results within 7 days.
Violation Division:	Kern County Env Health Services Department
Violation Program:	UST
Violation Source:	CERS
Site ID:	144958
Site Name:	Prince Truck Stop
Violation Date:	09-27-2013
Citation:	HSC 6.95 25504(b) - California Health and Safety Code, Chapter 6.95, Section(s) 25504(b)
Violation Description:	Failure to include adequate emergency response procedures in the business plan for a release or threatened release.
Violation Notes:	Returned to compliance on 03/10/2014. OPEN AN ACCOUNT ON http://cers.calepa.ca.gov , THEN, SUBMIT THE REQUIRED DOCUMENT TO CERS WEBSITE.
Violation Division:	Kern County Env Health Services Department
Violation Program:	UST
Violation Source:	CERS
Site ID:	144958
Site Name:	Prince Truck Stop
Violation Date:	09-06-2016
Citation:	23 CCR 16 2665 - California Code of Regulations, Title 23, Chapter 16, Section(s) 2665
Violation Description:	Failure to comply with one or more of the following: Failure to install or maintain a liquid-tight spill bucket. Have a minimum capacity of five gallons. Have a functional drain valve or other method for the removal of liquid from the spill bucket/spill container. Be resistant to galvanic corrosion.
Violation Notes:	Returned to compliance on 09/06/2016. OBSERVATION: At the time of the inspection the spill bucket for the 91 fill failed to hold the 5 gallon capacity. ***CORRECTIVE ACTION: The tester removed, tightened/repositioned the drain valve. The bucket was retested and passed the one hour test. CORRECTED ON SITE, NO FURTHER ACTION

PRINCE TRUCK STOP (Continued) **S121745378**

	REQUIRED.
Violation Division:	Kern County Env Health Services Department
Violation Program:	UST
Violation Source:	CERS
Site ID:	144958
Site Name:	Prince Truck Stop
Violation Date:	09-27-2013
Citation:	HSC 6.95 25504(a) - California Health and Safety Code, Chapter 6.95, Section(s) 25504(a)
Violation Description:	Failure to complete and/or submit hazardous material inventory forms for all reportable hazardous materials on site.
Violation Notes:	Returned to compliance on 03/10/2014. OPEN AN ACCOUNT ON http://cers.calepa.ca.gov , THEN, SUBMIT THE REQUIRED DOCUMENT TO CERS WEBSITE.
Violation Division:	Kern County Env Health Services Department
Violation Program:	UST
Violation Source:	CERS
Site ID:	144958
Site Name:	Prince Truck Stop
Violation Date:	09-22-2014
Citation:	HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Description:	Failure to complete and electronically submit hazardous material inventory information for all reportable hazardous materials on site at or above reportable quantities.
Violation Notes:	Returned to compliance on 09/29/2015. The propane tank east of the building was not listed on the hazardous materials inventory. Update the inventory in CERS to include the propane.
Violation Division:	Kern County Env Health Services Department
Violation Program:	HMRRP
Violation Source:	CERS
Site ID:	144958
Site Name:	Prince Truck Stop
Violation Date:	09-27-2013
Citation:	HSC 6.7 25284(a)(3) - California Health and Safety Code, Chapter 6.7, Section(s) 25284(a)(3)
Violation Description:	Failure to submit, maintain, or implement an owner/operator written agreement.
Violation Notes:	Returned to compliance on 03/10/2014. OPEN AN ACCOUNT ON http://cers.calepa.ca.gov , THEN, SUBMIT THE REQUIRED DOCUMENT TO CERS WEBSITE.
Violation Division:	Kern County Env Health Services Department
Violation Program:	UST
Violation Source:	CERS
Site ID:	144958
Site Name:	Prince Truck Stop
Violation Date:	09-06-2016
Citation:	23 CCR 16 2712(b) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2712(b)
Violation Description:	Failure to maintain records of repairs, lining, and upgrades on site, or off site if approved by the CUPA, for the life of the UST.
Violation Notes:	Returned to compliance on 09/28/2017. OBSERVATION: This violation is a repeat violation from 2015. Prince Palace has failed to conduct daily

PRINCE TRUCK STOP (Continued) **S121745378**

inspections of the monitoring panel. At the time of the inspection, the facility conducted daily inspections from November-2015 through March-2016. The daily inspections for April-2016 were not conducted. In May-2016 only the following dates were conducted: 05/1/2016, 05/02/2016, 05/03/2016. The daily inspections for June-2016, July-2016, August-2016, present were not readily available. In speaking to the cashiers on site, they both stated that the inspection logs were not being conducted because they were unaware about the daily inspections. The cashiers were informed and trained on site to resume performing these inspections of the daily logs. Inspector Evie Shamoon will stop by unannounced to verify compliance. ***CORRECTIVE ACTION: Resume conducting the daily inspections of the monitoring panel. Inspector Evie Shamoon will stop by unannounced to verify [Truncated]

Violation Division: Kern County Env Health Services Department
Violation Program: UST
Violation Source: CERS

Site ID: 144958
Site Name: Prince Truck Stop
Violation Date: 09-28-2017
Citation: 23 CCR 16 2632(d)(1)(C), 2641(h), 2711(a)(8) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2632(d)(1)(C), 2641(h), 2711(a)(8)
Violation Description: Failure to submit or update a plot plan.
Violation Notes: Although some of the corrections have been made to the plot map, there is still sensor identification missing on the Fill sumps. Please add the 208 and 304 sensors to the fill sumps on the map, upload and submit in CERS.
Violation Division: Kern County Env Health Services Department
Violation Program: UST
Violation Source: CERS

Site ID: 144958
Site Name: Prince Truck Stop
Violation Date: 09-06-2016
Citation: 23 CCR 16 2641(a) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2641(a)
Violation Description: Failure of leak detection equipment to be located such that equipment is capable of detecting a leak at the earliest possible opportunity.
Violation Notes: Returned to compliance on 09/27/2016. OBSERVATION: At the time of the inspection, the 208 fuel sensor for the Diesel STP sump was positioned at a 45 degree angle. The sensor fails to detect accumulation of liquid at the earliest point of release. ***CORRECTIVE ACTION: The sensor was repositioned by the tester. CORRECTED ON SITE, NO FURTHER ACTION REQUIRED.
Violation Division: Kern County Env Health Services Department
Violation Program: UST
Violation Source: CERS

Site ID: 144958
Site Name: Prince Truck Stop
Violation Date: 09-27-2013
Citation: HSC 6.95 25505(a) - California Health and Safety Code, Chapter 6.95, Section(s) 25505(a)
Violation Description: Owner/Operator failed to complete and/or submit a Hazardous Materials Business Plan when storing hazardous materials at or above the

PRINCE TRUCK STOP (Continued) **S121745378**

	thresholds quantities of 55 gallons/500 lbs/200 cubic feet.
Violation Notes:	Returned to compliance on 03/10/2014. OPEN AN ACCOUNT ON http://cers.calepa.ca.gov , THEN, SUBMIT THE REQUIRED INFORMATION TO CERS WEBSITE.
Violation Division:	Kern County Env Health Services Department
Violation Program:	UST
Violation Source:	CERS
Site ID:	144958
Site Name:	Prince Truck Stop
Violation Date:	09-06-2016
Citation:	23 CCR 16 2632(d)(1)(C), 2641(h), 2711(a)(8) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2632(d)(1)(C), 2641(h), 2711(a)(8)
Violation Description:	Failure to submit or update a plot plan.
Violation Notes:	OBSERVATION: The plot plan submitted in CERS fails to depict the correct UST system layout. The sumps are miss labeled, the piping configuration does not represent the actual set up, the vent box location is missing, the type of tank sensors are not listed, interstitial monitoring of UDC's are not listed, orientation arrow is missing, emergency shut off (ESO) is not listed. ***CORRECTIVE ACTION: Log in CERS and upload a revised map that is representative of Prince Palace Truck Stop.
Violation Division:	Kern County Env Health Services Department
Violation Program:	UST
Violation Source:	CERS
Site ID:	144958
Site Name:	Prince Truck Stop
Violation Date:	02-25-2014
Citation:	HSC 6.95 25505(a) - California Health and Safety Code, Chapter 6.95, Section(s) 25505(a)
Violation Description:	Owner/Operator failed to complete and/or submit a Hazardous Materials Business Plan when storing hazardous materials at or above the thresholds quantities of 55 gallons/500 lbs/200 cubic feet.
Violation Notes:	Returned to compliance on 03/10/2014. Failure to submit in CERS
Violation Division:	Kern County Env Health Services Department
Violation Program:	HMRRP
Violation Source:	CERS
Site ID:	144958
Site Name:	Prince Truck Stop
Violation Date:	09-30-2015
Citation:	23 CCR 16 2641(a) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2641(a)
Violation Description:	Failure of sensor to be located in the proper position/location.
Violation Notes:	Returned to compliance on 09/30/2015. Sensors/monitoring equipment shall be capable of detecting a leak a the earliest possible opportunity. During the inspection it was noted that the following fuel alarm (208) sensors were not completely upright and were tilted at an angle: UDC 1/2, UDC 3/4, UDC 5/6, UDC 7/8, UDC 9/10, UDC 19, UDC 17, UDC 19 The last DO monthly report (Page 1, Question #8) states that all fuel alarm sensors are positioned properly. Please ensure that the sensors are properly positioned at all times. The tester was notified and positioned the sensors in the proper position. THIS VIOLATION WAS CORRECTED ON SITE, NO FURTHER ACTION REQUIRED.
Violation Division:	Kern County Env Health Services Department

PRINCE TRUCK STOP (Continued) **S121745378**

Violation Program: UST
Violation Source: CERS

Site ID: 144958
Site Name: Prince Truck Stop
Violation Date: 09-30-2015
Citation: HSC 6.7 25291 - California Health and Safety Code, Chapter 6.7, Section(s) 25291
Violation Description: Failure to maintain under-dispenser containment, sumps, and/or other secondary containment in good condition and/or free of debris/liquid.
Violation Notes: Returned to compliance on 12/30/2015. During the monitoring certification, it was noted that the multiple under dispenser containment (UDC's) had a collection of liquid and/or debris. UDC's shall be maintained free of debris and liquid. - UDC#1/2: There is a collection of pink colored liquid at the bottom of the under dispenser containment. This liquid appears to be pink like the brine in the brine resevoir. Note: the brine in the resevoir is rather low. - UDC#3/4: There is seepage just below the shear valve, there is a spot below the flex pipe and at the bottom of under dispenser containment. - UDC #16: There is a substantial amount of liquid at the bottom of the under dispenser containment. This liquid appears to be diesel since it has a sheen coating and has a smell of fuel. -UDC #9/10: There is seepage just below the shear valve, there is a spot below the flex pipe and at the bottom of under dispenser containment. - UDC #11/12: There is an old shop rag inside of the UDC along with a [Truncated]
Violation Division: Kern County Env Health Services Department
Violation Program: UST
Violation Source: CERS

Site ID: 144958
Site Name: Prince Truck Stop
Violation Date: 09-30-2015
Citation: 23 CCR 16 2636(f)(1) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2636(f)(1)
Violation Description: Failure of the double wall pressurized piping in the under dispenser containment to be continuously monitored by a method that either shuts down the flow of product to the dispenser or activates an audible/visual alarm when a leak is detected.
Violation Notes: Returned to compliance on 12/30/2015. During the monitoring certification, the UDC brine sensor-420 was tested multiple times and deemed to be a bad sensor. The brine sensor-420 failed to detect "low liquid" and failed to send an audible alarm to the monitoring panel. To abate this violation the sensor shall be replaced and i will need retest results that indicate that this sensor records a PASS
Violation Division: Kern County Env Health Services Department
Violation Program: UST
Violation Source: CERS

Site ID: 144958
Site Name: Prince Truck Stop
Violation Date: 09-22-2014
Citation: 23 CCR 16 2715(f) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2715(f)
Violation Description: Failure to comply with one or more of the following: provide training to facility employee(s) responsible for proper operation and maintenance every 12 months and/or train new employee(s) who are

PRINCE TRUCK STOP (Continued) **S121745378**

	responsible for proper operation and maintenance within 30-days of hire and/or to have at least one employee present during operating hours that has been trained in the proper operation and maintenance of the UST system.
Violation Notes:	Returned to compliance on 09/11/2015. The only employee onsite for the afternoon shift was not familiar with the UST protocols and indicated that she had not been trained yet. New employees are to be trained with 30 days of employment and at least one employee trained on the proper procedures and maintenance of the USTs must be onsite during operating hours. Within 30 days, provide proof that all employees have been trained on the proper procedures and maintenance of the USTs.
Violation Division:	Kern County Env Health Services Department
Violation Program:	UST
Violation Source:	CERS
Site ID:	144958
Site Name:	Prince Truck Stop
Violation Date:	09-27-2013
Citation:	HSC 6.7 25286(a) - California Health and Safety Code, Chapter 6.7, Section(s) 25286(a)
Violation Description:	Failure to prepare, maintain, and submit accurate CUPA UST Operating Permit Application for Facility information and/or Tank information.
Violation Notes:	Returned to compliance on 03/10/2014. OPEN AN ACCOUNT ON http://cers.calepa.ca.gov , THEN, SUBMIT THE REQUIRED DOCUMENT TO CERS WEBSITE.
Violation Division:	Kern County Env Health Services Department
Violation Program:	UST
Violation Source:	CERS
Site ID:	144958
Site Name:	Prince Truck Stop
Violation Date:	09-27-2013
Citation:	19 CCR 4 2729.2(a)(3) - California Code of Regulations, Title 19, Chapter 4, Section(s) 2729.2(a)(3)
Violation Description:	Failure to complete and/or submit an annotated site map if required by CUPA.
Violation Notes:	Returned to compliance on 03/10/2014. OPEN AN ACCOUNT ON http://cers.calepa.ca.gov , THEN, SUBMIT THE REQUIRED DOCUMENT TO CERS WEBSITE.
Violation Division:	Kern County Env Health Services Department
Violation Program:	UST
Violation Source:	CERS
Site ID:	144958
Site Name:	Prince Truck Stop
Violation Date:	09-30-2015
Citation:	23 CCR 16 2712(b) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2712(b)
Violation Description:	Failure to maintain records of repairs, lining, and upgrades on site, or off site if approved by the CUPA, for the life of the underground storage tank and/or failure to maintain written monitoring and maintenance records on site, or off site if approved by the CUPA, for a period of 3 years, 6 1/2 years for cathodic protection, and 5 years for written performance claims pertaining to release detection systems and calibration and maintenance records for such systems.
Violation Notes:	Returned to compliance on 04/01/2016. Failure to maintain Daily inspection logs. During the inspection the Daily Inspection Forms were

PRINCE TRUCK STOP (Continued) **S121745378**

not available for review. Begin recording the daily visual inspection of the monitoring panel. A sample form will be provided, feel free to utilize this form or create a form like the one provided. PLEASE SUBMIT TO THIS DEPARTMENT ONE COMPLETED MONTH OF COMPLETED RECORDS.

Violation Division: Kern County Env Health Services Department
Violation Program: UST
Violation Source: CERS

Site ID: 144958
Site Name: Prince Truck Stop
Violation Date: 09-06-2016
Citation: HSC 6.7 25290.1(c)(3), 25290.2(c)(3) - California Health and Safety Code, Chapter 6.7, Section(s) 25290.1(c)(3), 25290.2(c)(3)
Violation Description: Failure to keep water out of the secondary containment of UST systems installed on or after July 1, 2003 and before July 1, 2004, or on or after July 1, 2004.
Violation Notes: Returned to compliance on 09/23/2016. OBSERVATION: At the time of the inspection, the Diesel STP sump was found with about 1" of liquid that appears to be diesel. ***CORRECTIVE ACTION: Remove the liquid accumulation from the sump and send photograph of Diesel STP sump after it has been cleaned. Photograph shall be sent to shamoone@co.kern.ca.us
Violation Division: Kern County Env Health Services Department
Violation Program: UST
Violation Source: CERS

Site ID: 144958
Site Name: Prince Truck Stop
Violation Date: 09-27-2013
Citation: 19 CCR 4 2729.2(a)(1) - California Code of Regulations, Title 19, Chapter 4, Section(s) 2729.2(a)(1)
Violation Description: Owner/Operator failed to complete and/or submit the Business Activities Page and/or Business Owner Operator Identification Page.
Violation Notes: Returned to compliance on 03/10/2014. OPEN AN ACCOUNT ON http://cers.calepa.ca.gov , THEN, SUBMIT THE REQUIRED DOCUMENT TO CERS WEBSITE.
Violation Division: Kern County Env Health Services Department
Violation Program: UST
Violation Source: CERS

Site ID: 144958
Site Name: Prince Truck Stop
Violation Date: 09-27-2013
Citation: 23 CCR 16 2715(b) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2715(b)
Violation Description: Failure to submit statement of UST compliance and/or Designated Operator current certification.
Violation Notes: Returned to compliance on 03/10/2014. OPEN AN ACCOUNT ON http://cers.calepa.ca.gov , THEN, SUBMIT THE REQUIRED DOCUMENT TO CERS WEBSITE.
Violation Division: Kern County Env Health Services Department
Violation Program: UST
Violation Source: CERS

Site ID: 144958
Site Name: Prince Truck Stop
Violation Date: 09-27-2013

PRINCE TRUCK STOP (Continued) **S121745378**

Citation:	HSC 6.7 25286 - California Health and Safety Code, Chapter 6.7, Section(s) 25286
Violation Description:	Failure to obtain and maintain a valid Board of Equalization account number.
Violation Notes:	Returned to compliance on 03/10/2014. OPEN AN ACCOUNT ON http://cers.calepa.ca.gov , THEN, PROVIDE A VALID BOARD OF EQUALIZATION (BOE) ACCOUNT NUMBER TO CERS WEBSITE.
Violation Division:	Kern County Env Health Services Department
Violation Program:	UST
Violation Source:	CERS

Evaluation:

Eval General Type:	Compliance Evaluation Inspection
Eval Date:	09-22-2014
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	The facility's UST information was updated in the California Environmental Reporting System (CERS) on 06/11/2014. The following problems were noted: 1. The Financial Responsibility Mechanism must be included on the Facility Operating Permit Application 2. The tank sizes and configurations do not match the Site Plan 3. The primary containment of a Xerxes tank is FRP 4. The tank and product piping secondary containment is monitored by vacuum or liquid must also include the type of sensors used for the VPH system. 5. The UDC monitoring is not pressure. 6. Periodic secondary containment testing is not required on VPH systems. 7. Visual inspection records are required. 8. The Certificate of Financial Responsibility needs the secondary mechanism type and also needs to be witnessed. 9. The CFO letter shows a negative net worth and is not acceptable. These are potential violations. 10. The diesel tank is the 30,000 gallon stand alone tank These must [Truncated]
Eval Division:	Kern County Env Health Services Department
Eval Program:	UST
Eval Source:	CERS

Eval General Type:	Compliance Evaluation Inspection
Eval Date:	09-28-2017
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	Not reported
Eval Division:	Kern County Env Health Services Department
Eval Program:	UST
Eval Source:	CERS

Eval General Type:	Other/Unknown
Eval Date:	10-06-2017
Violations Found:	No
Eval Type:	Other, not routine, done by local agency
Eval Notes:	Contractor did not show up or notify our department of cancellation.
Eval Division:	Kern County Env Health Services Department
Eval Program:	UST
Eval Source:	CERS

Eval General Type:	Compliance Evaluation Inspection
Eval Date:	09-27-2013
Violations Found:	Yes
Eval Type:	Routine done by local agency

PRINCE TRUCK STOP (Continued) **S121745378**

Eval Notes: THIS IS A NEWLY CONSTRUCTED FACILITY THAT IS NOT YET IN FULL OPERATION. FACILITY NOT OPENED AT THE TIME OF ROUTINE INSPECTION.
Eval Division: Kern County Env Health Services Department
Eval Program: UST
Eval Source: CERS

Eval General Type: Other/Unknown
Eval Date: 09-22-2014
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Not reported
Eval Division: Kern County Env Health Services Department
Eval Program: UST
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 09-22-2014
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Kern County Env Health Services Department
Eval Program: HMRRP
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 09-30-2015
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: The L17 has been in alarm multiple times between June 2015 through September 2015. The L17 sensor displays a low liquid alarm and contained low amount of brine. Please check all hoses and connections to ensure that the brine resevoirs are not leaking. Many UDC brine resevoirs are also low in brine. It is highly recommended that the brine liquid is replenished to avoid future low liquid alarms. Reminder: Please ensure that all sensors are positioned correctly at all times. You will have thirty (30) days from the date the violation was cited to come into full compliance. Once all violations have been completed, sign the last page of this inspection report to confirm full compliance has been met. Please send me a scanned copy to my email at Shamoone@co.kern.ca.us This inspection was performed by Evie Shamoon with Gabriel Rubio's guidance.
Eval Division: Kern County Env Health Services Department
Eval Program: UST
Eval Source: CERS

Eval General Type: Other/Unknown
Eval Date: 10-06-2017
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Not reported
Eval Division: Kern County Env Health Services Department
Eval Program: UST
Eval Source: CERS

Eval General Type: Other/Unknown
Eval Date: 02-25-2014
Violations Found: Yes

PRINCE TRUCK STOP (Continued) **S121745378**

Eval Type:	Other, not routine, done by local agency
Eval Notes:	Not reported
Eval Division:	Kern County Env Health Services Department
Eval Program:	HMRRP
Eval Source:	CERS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	09-06-2016
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	Be aware that the Letter from Chief Financial Officer (CFO) expires on September 24, 2016. To remain in compliance an updated CFO letter shall be uploaded in CERS on or before 09/24/2016. You will have thirty (30) days from the date the violation(s) were cited to come into full compliance. Once all violations have been completed, sign the last page of this inspection report to confirm full compliance has been met and send it to me via email at Shamoone@co.kern.ca.us Should you have any questions, please don't hesitate to contact me.
Eval Division:	Kern County Env Health Services Department
Eval Program:	UST
Eval Source:	CERS
Eval General Type:	Other/Unknown
Eval Date:	09-24-2013
Violations Found:	No
Eval Type:	Other, not routine, done by local agency
Eval Notes:	Not reported
Eval Division:	Kern County Env Health Services Department
Eval Program:	UST
Eval Source:	CERS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	09-28-2017
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	Not reported
Eval Division:	Kern County Env Health Services Department
Eval Program:	HMRRP
Eval Source:	CERS

Enforcement Action:

Site ID:	144958
Site Name:	Prince Truck Stop
Site Address:	8632 HIGHWAY 166
Site City:	BAKERSFIELD
Site Zip:	93313
Enf Action Date:	01-29-2014
Enf Action Type:	Notice of Violation (Unified Program)
Enf Action Description:	Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes:	Not reported
Enf Action Division:	Kern County Env Health Services Department
Enf Action Program:	UST
Enf Action Source:	CERS
Site ID:	144958
Site Name:	Prince Truck Stop
Site Address:	8632 HIGHWAY 166

PRINCE TRUCK STOP (Continued) **S121745378**

Site City:	BAKERSFIELD
Site Zip:	93313
Enf Action Date:	02-25-2014
Enf Action Type:	Notice of Violation (Unified Program)
Enf Action Description:	Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes:	Not reported
Enf Action Division:	Kern County Env Health Services Department
Enf Action Program:	HMRRP
Enf Action Source:	CERS

Site ID:	144958
Site Name:	Prince Truck Stop
Site Address:	8632 HIGHWAY 166
Site City:	BAKERSFIELD
Site Zip:	93313
Enf Action Date:	09-22-2014
Enf Action Type:	Notice of Violation (Unified Program)
Enf Action Description:	Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes:	Not reported
Enf Action Division:	Kern County Env Health Services Department
Enf Action Program:	HMRRP
Enf Action Source:	CERS

Site ID:	144958
Site Name:	Prince Truck Stop
Site Address:	8632 HIGHWAY 166
Site City:	BAKERSFIELD
Site Zip:	93313
Enf Action Date:	09-22-2014
Enf Action Type:	Notice of Violation (Unified Program)
Enf Action Description:	Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes:	Not reported
Enf Action Division:	Kern County Env Health Services Department
Enf Action Program:	UST
Enf Action Source:	CERS

Site ID:	144958
Site Name:	Prince Truck Stop
Site Address:	8632 HIGHWAY 166
Site City:	BAKERSFIELD
Site Zip:	93313
Enf Action Date:	09-27-2013
Enf Action Type:	Notice of Violation (Unified Program)
Enf Action Description:	Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes:	Not reported
Enf Action Division:	Kern County Env Health Services Department
Enf Action Program:	UST
Enf Action Source:	CERS

Site ID:	144958
Site Name:	Prince Truck Stop
Site Address:	8632 HIGHWAY 166
Site City:	BAKERSFIELD
Site Zip:	93313
Enf Action Date:	09-30-2015
Enf Action Type:	Notice of Violation (Unified Program)
Enf Action Description:	Notice of Violation Issued by the Inspector at the Time of Inspection

PRINCE TRUCK STOP (Continued) **S121745378**

Enf Action Notes: Not reported
Enf Action Division: Kern County Env Health Services Department
Enf Action Program: UST
Enf Action Source: CERS

Coordinates:
Site ID: 144958
Facility Name: Prince Truck Stop
Env Int Type Code: HMBP
Program ID: 10460461
Coord Name: Not reported
Ref Point Type Desc: Center of a facility or station.
Latitude: 35.059360
Longitude: -119.005390

Affiliation:
Affiliation Type Desc: Facility Mailing Address
Entity Name: Mailing Address
Entity Title: Not reported
Affiliation Address: 8632 HWY 166
Affiliation City: BAKERSFIELD
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 93313
Affiliation Phone: Not reported

Affiliation Type Desc: Identification Signer
Entity Name: DALJINDER CHAUHAN
Entity Title: OWNER
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: Not reported

Affiliation Type Desc: Legal Owner
Entity Name: DALJINDER CHAUHAN
Entity Title: Not reported
Affiliation Address: 8632 HWY 166
Affiliation City: BAKERSFIELD
Affiliation State: CA
Affiliation Country: United States
Affiliation Zip: 93313
Affiliation Phone: (661) 203-8050

Affiliation Type Desc: UST Permit Applicant
Entity Name: Daljinder Chauhan
Entity Title: OWNER
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: (661) 203-8050

PRINCE TRUCK STOP (Continued) **S121745378**

Affiliation Type Desc:	UST Tank Owner
Entity Name:	DALJINDER CHAUHAN
Entity Title:	Not reported
Affiliation Address:	8632 HWY 166
Affiliation City:	BAKERSFIELD
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	93313
Affiliation Phone:	(661) 203-8050

Affiliation Type Desc:	Document Preparer
Entity Name:	Adam Taylor
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported

Affiliation Type Desc:	Parent Corporation
Entity Name:	Prince Truck Stop
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported

Affiliation Type Desc:	UST Property Owner Name
Entity Name:	DALJINDER CHAUHAN
Entity Title:	Not reported
Affiliation Address:	8632 HWY 166
Affiliation City:	BAKERSFIELD
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	93313
Affiliation Phone:	(661) 203-8050

Affiliation Type Desc:	CUPA District
Entity Name:	Kern County Environmental Health Services Departme
Entity Title:	Not reported
Affiliation Address:	2700 M Street, Suite 300
Affiliation City:	Bakersfield
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	93301-2370
Affiliation Phone:	(661) 862-8740

Affiliation Type Desc:	Environmental Contact
Entity Name:	DALJINDER CHAUHAN
Entity Title:	Not reported
Affiliation Address:	8632 HWY 166
Affiliation City:	BAKERSFIELD
Affiliation State:	CA
Affiliation Country:	Not reported

PRINCE TRUCK STOP (Continued) **S121745378**

Affiliation Zip: 93313
Affiliation Phone: (661) 203-8050

Affiliation Type Desc: Operator
Entity Name: DALJINDER CHAUHAN
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: (661) 203-8050

Affiliation Type Desc: Property Owner
Entity Name: DALJINDER CHAUHAN
Entity Title: Not reported
Affiliation Address: 8632 HWY 166
Affiliation City: BAKERSFIELD
Affiliation State: CA
Affiliation Country: United States
Affiliation Zip: 93313
Affiliation Phone: (661) 203-8050

Affiliation Type Desc: UST Tank Operator
Entity Name: DALJINDER CHAUHAN
Entity Title: Not reported
Affiliation Address: 8632 HWY 166
Affiliation City: BAKERSFIELD
Affiliation State: CA
Affiliation Country: United States
Affiliation Zip: 93313
Affiliation Phone: (661) 203-8050

A2
North
< 1/8
0.059 mi.
314 ft.

PRINCE TRUCK STOP **UST** **U004224936**
8632 HIGHWAY 166 **N/A**
BAKERSFIELD, CA 93313

Site 2 of 2 in cluster A

Relative:
Lower

Actual:
479 ft.

UST:
Facility ID: Not reported
Permitting Agency: Kern County Environmental Health Services Department
Latitude: 35.05936
Longitude: -119.00539

KERN CO. UST:
Region: Kern
Facility ID: FA0037592
CERSID: 10460461
Owner Id: Not reported
Owner Name: Not reported

Tank Num: 1
Tank Capacity: 20,000
Common Name: Not reported
Description: REGULAR UNLEADED

PRINCE TRUCK STOP (Continued) **U004224936**

Number of Compartments:	2
Date of Closure:	Not reported
Mailing Address:	8632 HWY 166
Mailing Address (care of):	DALJINDER CHAUHAN
Mailing City/State/Zip:	BAKERSFIELD, CA 93313

Tank Num:	2
Tank Capacity:	10,000
Common Name:	Not reported
Description:	PREMIUM UNLEADED
Number of Compartments:	2
Date of Closure:	Not reported
Mailing Address:	8632 HWY 166
Mailing Address (care of):	DALJINDER CHAUHAN
Mailing City/State/Zip:	BAKERSFIELD, CA 93313

Tank Num:	3
Tank Capacity:	30,000
Common Name:	Not reported
Description:	DIESEL
Number of Compartments:	1
Date of Closure:	Not reported
Mailing Address:	8632 HWY 166
Mailing Address (care of):	DALJINDER CHAUHAN
Mailing City/State/Zip:	BAKERSFIELD, CA 93313

B3 **REYNOLD M METTLER FARMS** **HIST UST** **U001584482**
ENE **I-5 AND HIGHWAY 166** **N/A**
< 1/8 **BAKERSFIELD, CA 93307**
0.060 mi.
315 ft. **Site 1 of 5 in cluster B**

Relative:
Higher

Actual:
501 ft.

HIST UST:

File Number:	00024F50
URL:	http://geotracker.waterboards.ca.gov/ustpdfs/pdf/00024F50.pdf
Region:	STATE
Facility ID:	00000033222
Facility Type:	Gas Station
Other Type:	Not reported
Contact Name:	HUBERT JACKSON
Telephone:	8053246084
Owner Name:	REYNOLD M. METTLER
Owner Address:	5401 BUSINESS PARK SOUTH, SUIT
Owner City,St,Zip:	BAKERSFIELD, CA 93309
Total Tanks:	0001

Tank Num:	001
Container Num:	G-1
Year Installed:	Not reported
Tank Capacity:	00003000
Tank Used for:	PRODUCT
Type of Fuel:	REGULAR
Container Construction Thickness:	Not reported
Leak Detection:	None

REYNOLD M METTLER FARMS (Continued) **U001584482**

Click here for Geo Tracker PDF:

B4 **REYNOLD M. METTLER FARMS** **SWEEPS UST** **S101620492**
ENE **I-5 & HIGHWAY 166** **CA FID UST** **N/A**
< 1/8 **BAKERSFIELD, CA 93307**
0.061 mi.
324 ft. **Site 2 of 5 in cluster B**

Relative:
Higher

Actual:
501 ft.

SWEEPS UST:

Status:	Not reported
Comp Number:	33222
Number:	Not reported
Board Of Equalization:	Not reported
Referral Date:	Not reported
Action Date:	Not reported
Created Date:	Not reported
Owner Tank Id:	Not reported
SWRCB Tank Id:	15-021-033222-000001
Tank Status:	Not reported
Capacity:	3000
Active Date:	Not reported
Tank Use:	M.V. FUEL
STG:	PRODUCT
Content:	LEADED
Number Of Tanks:	1

CA FID UST:

Facility ID:	15004602
Regulated By:	UTNKI
Regulated ID:	00033222
Cortese Code:	Not reported
SIC Code:	Not reported
Facility Phone:	8053246084
Mail To:	Not reported
Mailing Address:	5401 BUSINESS PARK SOUTH
Mailing Address 2:	Not reported
Mailing City,St,Zip:	BAKERSFIELD 93307
Contact:	Not reported
Contact Phone:	Not reported
DUNs Number:	Not reported
NPDES Number:	Not reported
EPA ID:	Not reported
Comments:	Not reported
Status:	Inactive

B5 **CLIFFORD A. METTLER** **HIST CORTESE** **S105024947**
ENE **I5 & MARICOPA HWY** **N/A**
< 1/8 **METTLER, CA 93301**
0.084 mi.
445 ft. **Site 3 of 5 in cluster B**

Relative:
Higher

Actual:
501 ft.

HIST CORTESE:

Region:	CORTESE
Facility County Code:	15
Reg By:	LTNKA
Reg Id:	5T15000313

B6 ENE < 1/8 0.091 mi. 480 ft. — **CLIFFORD A. METTLER**, **INTERSTATE 5 & MARICOPA HWY**, **BAKERSFIELD, CA 93307** — **LUST CERS** — **S103479969 N/A**

Site 4 of 5 in cluster B

Relative: Higher

Actual: 501 ft.

LUST REG 5:

Region:	5
Status:	Case Closed
Case Number:	5T15000313
Case Type:	Soil only
Substance:	GASOLINE
Staff Initials:	JDW
Lead Agency:	Local
Program:	LUST
MTBE Code:	N/A

CERS TANKS:

Site ID:	226943
CERS ID:	T0602900311
CERS Description:	Leaking Underground Storage Tank Cleanup Site

Affiliation:

Affiliation Type Desc:	Local Agency Caseworker
Entity Name:	LYDIA VON SYDOW - KERN COUNTY
Entity Title:	Not reported
Affiliation Address:	2700 M STREET, SUITE 300
Affiliation City:	BAKERSFIELD
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	6618628748

Affiliation Type Desc:	Regional Board Caseworker
Entity Name:	JOHN WHITING - CENTRAL VALLEY RWQCB (REGION 5F)
Entity Title:	Not reported
Affiliation Address:	1685 E STREET
Affiliation City:	FRESNO
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported

B7 ENE < 1/8 0.091 mi. 480 ft. — **CLIFFORD A. METTLER**, **INTERSTATE 5 & MARICOPA HWY**, **BAKERSFIELD, CA 93307** — **LUST** — **S110654316 N/A**

Site 5 of 5 in cluster B

Relative: Higher

Actual: 501 ft.

LUST:

Lead Agency:	KERN COUNTY
Case Type:	LUST Cleanup Site
Geo Track:	http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0602900311
Global Id:	T0602900311
Latitude:	35.0593049
Longitude:	-118.9990186
Status:	Completed - Case Closed
Status Date:	01/24/1989
Case Worker:	LVS

CLIFFORD A. METTLER (Continued) **S110654316**

RB Case Number: 5T15000313
Local Agency: KERN COUNTY
File Location: Not reported
Local Case Number: 330136
Potential Media Affect: Soil
Potential Contaminants of Concern: Gasoline
Site History: Not reported

LUST:
Global Id: T0602900311
Contact Type: Regional Board Caseworker
Contact Name: JOHN WHITING
Organization Name: CENTRAL VALLEY RWQCB (REGION 5F)
Address: 1685 E STREET
City: FRESNO
Email: john.whiting@waterboards.ca.gov
Phone Number: Not reported

Global Id: T0602900311
Contact Type: Local Agency Caseworker
Contact Name: LYDIA VON SYDOW
Organization Name: KERN COUNTY
Address: 2700 M STREET, SUITE 300
City: BAKERSFIELD
Email: lydiav@co.kern.ca.us
Phone Number: 6618628748

LUST:
Global Id: T0602900311
Action Type: Other
Date: 03/19/1991
Action: Leak Reported

Global Id: T0602900311
Action Type: Other
Date: 04/05/1988
Action: Leak Discovery

Global Id: T0602900311
Action Type: Other
Date: 04/05/1988
Action: Leak Stopped

LUST:
Global Id: T0602900311
Status: Completed - Case Closed
Status Date: 01/24/1989

Global Id: T0602900311
Status: Open - Case Begin Date
Status Date: 04/05/1988

C8 WNW 1/8-1/4 0.215 mi. 1134 ft. | **REYNOLD METTLER FARMS INC/METCO FA** | **AST** | **A100337963** **N/A**
8868 HWY 166
BAKERSFIELD, CA

Site 1 of 3 in cluster C

Relative: Lower
Actual: 457 ft.

AST:

Certified Unified Program Agencies:	Kern
Owner:	REYNOLD METTLER FARMS INC/METC
Total Gallons:	11,375
CERSID:	Not reported
Facility ID:	Not reported
Business Name:	Not reported
Phone:	Not reported
Fax:	Not reported
Mailing Address:	Not reported
Mailing Address City:	Not reported
Mailing Address State:	Not reported
Mailing Address Zip Code:	Not reported
Operator Name:	Not reported
Operator Phone:	Not reported
Owner Phone:	Not reported
Owner Mail Address:	Not reported
Owner State:	Not reported
Owner Zip Code:	Not reported
Owner Country:	Not reported
Property Owner Name:	Not reported
Property Owner Phone:	Not reported
Property Owner Mailing Address:	Not reported
Property Owner City:	Not reported
Property Owner Stat :	Not reported
Property Owner Zip Code:	Not reported
Property Owner Country:	Not reported
EPAID:	Not reported

C9 WNW 1/8-1/4 0.215 mi. 1134 ft. | **JEFFREY METTLER FARMS** | **CERS HAZ WASTE** **CERS TANKS** **CERS** | **S121773786** **N/A**
8868 HIGHWAY 166
BAKERSFIELD, CA 93313

Site 2 of 3 in cluster C

Relative: Lower
Actual: 457 ft.

CERS HAZ WASTE:

Site ID:	395437
CERS ID:	10156829
CERS Description:	Hazardous Waste Generator

Violations:

Site ID:	395437
Site Name:	Jeffrey Mettler Farms
Violation Date:	01-20-2015
Citation:	HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Description:	Failure to complete and electronically submit a site map with all required content.
Violation Notes:	Returned to compliance on 03/04/2015. OBSERVATION: The site map submitted onto CERS does not have the location of all hazardous materials on it. CORRECTIVE ACTION: Upload a site map with the location of all hazardous materials onto CERS. The "WASTE OIL," "HYDRAULIC TRACTOR FLUID" and "MOTOR OIL" are not on the site map. It is optional if "PUMP OIL" is added to the site map.

JEFFREY METTLER FARMS (Continued) **S121773786**

Violation Division: Kern County Env Health Services Department
Violation Program: HMRRP
Violation Source: CERS

Site ID: 395437
Site Name: Jeffrey Mettler Farms
Violation Date: 06-04-2018
Citation: HSC 6.95 25508.2 - California Health and Safety Code, Chapter 6.95, Section(s) 25508.2
Violation Description: Failure to annually review and electronically certify that the business plan is complete and accurate on or before the annual due date.
Violation Notes: THE LAST SUBMISSION OF THE HAZARDOUS MATERIAL BUSINESS PLAN (HMBP) WAS DATED 06/03/16. THE ALL ELEMENTS OF THE HMBP MUST BE SUBMITTED ON AN ANNUAL BASIS. THIS INCLUDES FACILITY INFORMATION, HAZMAT INVENTORY, AND TRAINING/CONTINGENCY PLANS. PLEASE SUBMIT HMBP ON AN ANNUAL BASIS.
Violation Division: Kern County Env Health Services Department
Violation Program: HMRRP
Violation Source: CERS

Site ID: 395437
Site Name: Jeffrey Mettler Farms
Violation Date: 01-20-2015
Citation: 22 CCR 12 66262.34(f) - California Code of Regulations, Title 22, Chapter 12, Section(s) 66262.34(f)
Violation Description: Failure to properly label hazardous waste accumulation containers with the following requirements: "Hazardous Waste", name and address of the generator, physical and chemical characteristics of the Hazardous Waste, and starting accumulation date.
Violation Notes: Returned to compliance on 03/05/2015. OBSERVATION: The aboveground storage tank containing WASTE OIL was not properly labeled at the time of inspection. The starting accumulation date was not filled in. CORRECTIVE ACTION: Contact an authorized hazardous waste hauler to pick up the WASTE OIL. Take photos of properly labeled hazardous waste containers with a starting accumulation date. Email the photos and manifest from your authorized hazardous waste hauler to: yimr@co.kern.ca.us.
Violation Division: Kern County Env Health Services Department
Violation Program: HW
Violation Source: CERS

Site ID: 395437
Site Name: Jeffrey Mettler Farms
Violation Date: 01-20-2015
Citation: HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Description: Failure to establish and electronically submit an adequate training program in safety procedures in the event of a release or threatened release of a hazardous material.
Violation Notes: Returned to compliance on 03/04/2015. OBSERVATION: There was no Employee Training Plan submitted onto CERS at the time of inspection. CORRECTIVE ACTION: Upload an adequate Employee Training Plan onto CERS.
Violation Division: Kern County Env Health Services Department
Violation Program: HMRRP
Violation Source: CERS

JEFFREY METTLER FARMS (Continued) **S121773786**

Site ID: 395437
Site Name: Jeffrey Mettler Farms
Violation Date: 01-20-2015
Citation: HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Description: Failure to complete and electronically submit hazardous material inventory information for all reportable hazardous materials on site at or above reportable quantities.
Violation Notes: Returned to compliance on 03/04/2015. OBSERVATION: The hazardous materials inventory on the California Environmental Reporting System (CERS) is inaccurate. CORRECTIVE ACTION: Please update your hazardous materials inventory on CERS. More specifically, change the Max Daily Amount of: 1) "WASTE OIL" from 75 gallons to 500 gallons 2) "DIESEL" from 2500 gallons to 7500 gallons 3) "UNLEADED GASOLINE" from 500 gallons to 2200 gallons 4) "ACETYLENE" from 300 cubic feet to 472 cubic feet 5) "OXYGEN" from 500 cubic feet to 1100 cubic feet.
Violation Division: Kern County Env Health Services Department
Violation Program: HMRRP
Violation Source: CERS

Site ID: 395437
Site Name: Jeffrey Mettler Farms
Violation Date: 01-20-2015
Citation: 19 CCR 6.95 25508(a)(1) - California Code of Regulations, Title 19, Chapter 6.95, Section(s) 25508(a)(1)
Violation Description: Failure to complete and electronically submit the Business Activities Page and/or Business Owner Operator Identification Page.
Violation Notes: Returned to compliance on 03/04/2015. OBSERVATION: The Business Activities Page on the CERS is inaccurate for this facility. CORRECTIVE ACTION: Change the "Yes" to "No" under "consolidate hazardous waste generated at a remote site" and change the "No" to a "Yes" under "Aboveground Petroleum Storage" on the Business Activities Page for this facility on CERS.
Violation Division: Kern County Env Health Services Department
Violation Program: HMRRP
Violation Source: CERS

Site ID: 395437
Site Name: Jeffrey Mettler Farms
Violation Date: 06-04-2018
Citation: 22 CCR 12 66262.34(f) - California Code of Regulations, Title 22, Chapter 12, Section(s) 66262.34(f)
Violation Description: Failure to properly label hazardous waste accumulation containers and portable tanks with the following requirements: "Hazardous Waste", name and address of the generator, physical and chemical characteristics of the Hazardous Waste, and starting accumulation date.
Violation Notes: OBSERVED OIL WASTE WITHOUT LABEL. PLEASE ENSURE ALL HAZWASTE IS LABELED PROPERLY.
Violation Division: Kern County Env Health Services Department
Violation Program: HW
Violation Source: CERS

Site ID: 395437
Site Name: Jeffrey Mettler Farms
Violation Date: 01-20-2015
Citation: HSC 6.5 25160.2 - California Health and Safety Code, Chapter 6.5,

JEFFREY METTLER FARMS (Continued) **S121773786**

	Section(s) 25160.2
Violation Description:	Failure to meet any of the following consolidated manifest requirements: 1) Legible receipts for each quantity of hazardous waste that is received from a generator, 2) The generator's information (name, address, identification number, contact person, telephone number of the generator, the signature of the generator or the generator's representative), 3) Date of the shipment, 4) The manifest number, 5) The volume or quantity of each waste stream received, 6) The name, address, and identification number of the authorized facility to which the hazardous waste will be transported, 7) The transporter's information (name, address, and identification number, the driver's signature), 8) A statement, signed by the generator, certifying that the generator has established a program to reduce the volume or quantity and toxicity of the hazardous waste to the degree economically practicable. 9) The generator shall retain each receipt for at least three years.
Violation Notes:	Returned to compliance on 03/05/2015. OBSERVATION: No consolidated manifests were available for review at the time of inspection. CORRECTIVE ACTION: Contact an authorized hazardous waste hauler to pick up the WASTE OIL. Email the manifest from your authorized hazardous waste hauler to: yimr@co.kern.ca.us.
Violation Division:	Kern County Env Health Services Department
Violation Program:	HW
Violation Source:	CERS

Evaluation:

Eval General Type:	Compliance Evaluation Inspection
Eval Date:	06-04-2018
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	Not reported
Eval Division:	Kern County Env Health Services Department
Eval Program:	HW
Eval Source:	CERS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	01-20-2015
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	For any questions, please contact Raymond Yim at: 661-862-8766
Eval Division:	Kern County Env Health Services Department
Eval Program:	APSA
Eval Source:	CERS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	06-04-2018
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	Not reported
Eval Division:	Kern County Env Health Services Department
Eval Program:	APSA
Eval Source:	CERS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	01-20-2015
Violations Found:	Yes
Eval Type:	Routine done by local agency

JEFFREY METTLER FARMS (Continued) **S121773786**

Eval Notes:	All violations shall be abated within 30 days. Once violations are abated, please sign, date and submit the correction certificate at the end of this inspection report. This signed document may be submitted by FAX at: 661-862-8701 or email to: yimr@co.kern.ca.us. For any questions, please contact Raymond Yim at: 661-862-8766
Eval Division:	Kern County Env Health Services Department
Eval Program:	HMRRP
Eval Source:	CERS

Eval General Type:	Compliance Evaluation Inspection
Eval Date:	01-20-2015
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	All violations shall be abated within 30 days. Once violations are abated, please sign, date and submit the correction certificate at the end of this inspection report. This signed document may be submitted by FAX at: 661-862-8701 or email to: yimr@co.kern.ca.us. For any questions, please contact Raymond Yim at: 661-862-8766
Eval Division:	Kern County Env Health Services Department
Eval Program:	HW
Eval Source:	CERS

Eval General Type:	Compliance Evaluation Inspection
Eval Date:	06-04-2018
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	Not reported
Eval Division:	Kern County Env Health Services Department
Eval Program:	HMRRP
Eval Source:	CERS

Enforcement Action:

Site ID:	395437
Site Name:	Jeffrey Mettler Farms
Site Address:	8868 HIGHWAY 166
Site City:	BAKERSFIELD
Site Zip:	93313
Enf Action Date:	01-20-2015
Enf Action Type:	Notice of Violation (Unified Program)
Enf Action Description:	Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes:	Not reported
Enf Action Division:	Kern County Env Health Services Department
Enf Action Program:	HMRRP
Enf Action Source:	CERS

Site ID:	395437
Site Name:	Jeffrey Mettler Farms
Site Address:	8868 HIGHWAY 166
Site City:	BAKERSFIELD
Site Zip:	93313
Enf Action Date:	01-20-2015
Enf Action Type:	Notice of Violation (Unified Program)
Enf Action Description:	Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes:	Not reported
Enf Action Division:	Kern County Env Health Services Department
Enf Action Program:	HW
Enf Action Source:	CERS

JEFFREY METTLER FARMS (Continued) **S121773786**

Coordinates:

Site ID:	395437
Facility Name:	Jeffrey Mettler Farms
Env Int Type Code:	APSA
Program ID:	10156829
Coord Name:	Not reported
Ref Point Type Desc:	Center of a facility or station.
Latitude:	35.059350
Longitude:	-119.010190

Affiliation:

Affiliation Type Desc:	Document Preparer
Entity Name:	JEFFREY METTLER
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported

Affiliation Type Desc:	Identification Signer
Entity Name:	JEFFREY METTLER
Entity Title:	PRESIDENT
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported

Affiliation Type Desc:	Operator
Entity Name:	JEFFREY METTLER
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	(661) 809-7900

Affiliation Type Desc:	Property Owner
Entity Name:	JEFFREY METTLER
Entity Title:	Not reported
Affiliation Address:	7404 EL VERANO DR.
Affiliation City:	Bakersfield
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	93309
Affiliation Phone:	(661) 833-0560

Affiliation Type Desc:	Parent Corporation
Entity Name:	Jeff Mettler Farms
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported

JEFFREY METTLER FARMS (Continued) **S121773786**

Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported

Affiliation Type Desc:	CUPA District
Entity Name:	Kern County Environmental Health Services Departme
Entity Title:	Not reported
Affiliation Address:	2700 M Street, Suite 300
Affiliation City:	Bakersfield
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	93301-2370
Affiliation Phone:	(661) 862-8740

Affiliation Type Desc:	Environmental Contact
Entity Name:	JEFFREY METTLER
Entity Title:	Not reported
Affiliation Address:	7404 EL VERANO DR.
Affiliation City:	BAKERSFIELD
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	93309
Affiliation Phone:	(661) 809-7900

Affiliation Type Desc:	Legal Owner
Entity Name:	JEFFREY METTLER FARMS, INC
Entity Title:	Not reported
Affiliation Address:	7404 EL VERANO DR
Affiliation City:	BAKERSFIELD
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	93309
Affiliation Phone:	(661) 833-0560

Affiliation Type Desc:	Facility Mailing Address
Entity Name:	Mailing Address
Entity Title:	Not reported
Affiliation Address:	7404 EL VERANO DR.
Affiliation City:	BAKERSFIELD
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	93309
Affiliation Phone:	Not reported

CERS TANKS:

Site ID:	395437
CERS ID:	10156829
CERS Description:	Aboveground Petroleum Storage

Violations:

Site ID:	395437
Site Name:	Jeffrey Mettler Farms
Violation Date:	01-20-2015
Citation:	HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)

JEFFREY METTLER FARMS (Continued) **S121773786**

Violation Description: Failure to complete and electronically submit a site map with all required content.
Violation Notes: Returned to compliance on 03/04/2015. OBSERVATION: The site map submitted onto CERS does not have the location of all hazardous materials on it. CORRECTIVE ACTION: Upload a site map with the location of all hazardous materials onto CERS. The "WASTE OIL," "HYDRAULIC TRACTOR FLUID" and "MOTOR OIL" are not on the site map. It is optional if "PUMP OIL" is added to the site map.
Violation Division: Kern County Env Health Services Department
Violation Program: HMRRP
Violation Source: CERS

Site ID: 395437
Site Name: Jeffrey Mettler Farms
Violation Date: 06-04-2018
Citation: HSC 6.95 25508.2 - California Health and Safety Code, Chapter 6.95, Section(s) 25508.2
Violation Description: Failure to annually review and electronically certify that the business plan is complete and accurate on or before the annual due date.
Violation Notes: THE LAST SUBMISSION OF THE HAZARDOUS MATERIAL BUSINESS PLAN (HMBP) WAS DATED 06/03/16. THE ALL ELEMENTS OF THE HMBP MUST BE SUBMITTED ON AN ANNUAL BASIS. THIS INCLUDES FACILITY INFORMATION, HAZMAT INVENTORY, AND TRAINING/CONTINGENCY PLANS. PLEASE SUBMIT HMBP ON AN ANNUAL BASIS.
Violation Division: Kern County Env Health Services Department
Violation Program: HMRRP
Violation Source: CERS

Site ID: 395437
Site Name: Jeffrey Mettler Farms
Violation Date: 01-20-2015
Citation: 22 CCR 12 66262.34(f) - California Code of Regulations, Title 22, Chapter 12, Section(s) 66262.34(f)
Violation Description: Failure to properly label hazardous waste accumulation containers with the following requirements: "Hazardous Waste", name and address of the generator, physical and chemical characteristics of the Hazardous Waste, and starting accumulation date.
Violation Notes: Returned to compliance on 03/05/2015. OBSERVATION: The aboveground storage tank containing WASTE OIL was not properly labeled at the time of inspection. The starting accumulation date was not filled in. CORRECTIVE ACTION: Contact an authorized hazardous waste hauler to pick up the WASTE OIL. Take photos of properly labeled hazardous waste containers with a starting accumulation date. Email the photos and manifest from your authorized hazardous waste hauler to: yimr@co.kern.ca.us.
Violation Division: Kern County Env Health Services Department
Violation Program: HW
Violation Source: CERS

Site ID: 395437
Site Name: Jeffrey Mettler Farms
Violation Date: 01-20-2015
Citation: HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Description: Failure to establish and electronically submit an adequate training program in safety procedures in the event of a release or threatened release of a hazardous material.

JEFFREY METTLER FARMS (Continued) **S121773786**

Violation Notes:	Returned to compliance on 03/04/2015. OBSERVATION: There was no Employee Training Plan submitted onto CERS at the time of inspection. CORRECTIVE ACTION: Upload an adequate Employee Training Plan onto CERS.
Violation Division:	Kern County Env Health Services Department
Violation Program:	HMRRP
Violation Source:	CERS
Site ID:	395437
Site Name:	Jeffrey Mettler Farms
Violation Date:	01-20-2015
Citation:	HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Description:	Failure to complete and electronically submit hazardous material inventory information for all reportable hazardous materials on site at or above reportable quantities.
Violation Notes:	Returned to compliance on 03/04/2015. OBSERVATION: The hazardous materials inventory on the California Environmental Reporting System (CERS) is inaccurate. CORRECTIVE ACTION: Please update your hazardous materials inventory on CERS. More specifically, change the Max Daily Amount of: 1) "WASTE OIL" from 75 gallons to 500 gallons 2) "DIESEL" from 2500 gallons to 7500 gallons 3) "UNLEADED GASOLINE" from 500 gallons to 2200 gallons 4) "ACETYLENE" from 300 cubic feet to 472 cubic feet 5) "OXYGEN" from 500 cubic feet to 1100 cubic feet.
Violation Division:	Kern County Env Health Services Department
Violation Program:	HMRRP
Violation Source:	CERS
Site ID:	395437
Site Name:	Jeffrey Mettler Farms
Violation Date:	01-20-2015
Citation:	19 CCR 6.95 25508(a)(1) - California Code of Regulations, Title 19, Chapter 6.95, Section(s) 25508(a)(1)
Violation Description:	Failure to complete and electronically submit the Business Activities Page and/or Business Owner Operator Identification Page.
Violation Notes:	Returned to compliance on 03/04/2015. OBSERVATION: The Business Activities Page on the CERS is inaccurate for this facility. CORRECTIVE ACTION: Change the "Yes" to "No" under "consolidate hazardous waste generated at a remote site" and change the "No" to a "Yes" under "Aboveground Petroleum Storage" on the Business Activities Page for this facility on CERS.
Violation Division:	Kern County Env Health Services Department
Violation Program:	HMRRP
Violation Source:	CERS
Site ID:	395437
Site Name:	Jeffrey Mettler Farms
Violation Date:	06-04-2018
Citation:	22 CCR 12 66262.34(f) - California Code of Regulations, Title 22, Chapter 12, Section(s) 66262.34(f)
Violation Description:	Failure to properly label hazardous waste accumulation containers and portable tanks with the following requirements: "Hazardous Waste", name and address of the generator, physical and chemical characteristics of the Hazardous Waste, and starting accumulation date.
Violation Notes:	OBSERVED OIL WASTE WITHOUT LABEL. PLEASE ENSURE ALL HAZWASTE IS LABELED PROPERLY.

JEFFREY METTLER FARMS (Continued) **S121773786**

Violation Division: Kern County Env Health Services Department
Violation Program: HW
Violation Source: CERS

Site ID: 395437
Site Name: Jeffrey Mettler Farms
Violation Date: 01-20-2015
Citation: HSC 6.5 25160.2 - California Health and Safety Code, Chapter 6.5, Section(s) 25160.2
Violation Description: Failure to meet any of the following consolidated manifest requirements: 1) Legible receipts for each quantity of hazardous waste that is received from a generator, 2) The generator's information (name, address, identification number, contact person, telephone number of the generator, the signature of the generator or the generator's representative), 3) Date of the shipment, 4) The manifest number, 5) The volume or quantity of each waste stream received, 6) The name, address, and identification number of the authorized facility to which the hazardous waste will be transported, 7) The transporter's information (name, address, and identification number, the driver's signature), 8) A statement, signed by the generator, certifying that the generator has established a program to reduce the volume or quantity and toxicity of the hazardous waste to the degree economically practicable. 9) The generator shall retain each receipt for at least three years.
Violation Notes: Returned to compliance on 03/05/2015. OBSERVATION: No consolidated manifests were available for review at the time of inspection. CORRECTIVE ACTION: Contact an authorized hazardous waste hauler to pick up the WASTE OIL. Email the manifest from your authorized hazardous waste hauler to: yimr@co.kern.ca.us.
Violation Division: Kern County Env Health Services Department
Violation Program: HW
Violation Source: CERS

Evaluation:
Eval General Type: Compliance Evaluation Inspection
Eval Date: 06-04-2018
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Kern County Env Health Services Department
Eval Program: HW
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 01-20-2015
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: For any questions, please contact Raymond Yim at: 661-862-8766
Eval Division: Kern County Env Health Services Department
Eval Program: APSA
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 06-04-2018
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported

JEFFREY METTLER FARMS (Continued) **S121773786**

Eval Division:	Kern County Env Health Services Department
Eval Program:	APSA
Eval Source:	CERS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	01-20-2015
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	All violations shall be abated within 30 days. Once violations are abated, please sign, date and submit the correction certificate at the end of this inspection report. This signed document may be submitted by FAX at: 661-862-8701 or email to: yimr@co.kern.ca.us. For any questions, please contact Raymond Yim at: 661-862-8766
Eval Division:	Kern County Env Health Services Department
Eval Program:	HMRRP
Eval Source:	CERS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	01-20-2015
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	All violations shall be abated within 30 days. Once violations are abated, please sign, date and submit the correction certificate at the end of this inspection report. This signed document may be submitted by FAX at: 661-862-8701 or email to: yimr@co.kern.ca.us. For any questions, please contact Raymond Yim at: 661-862-8766
Eval Division:	Kern County Env Health Services Department
Eval Program:	HW
Eval Source:	CERS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	06-04-2018
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	Not reported
Eval Division:	Kern County Env Health Services Department
Eval Program:	HMRRP
Eval Source:	CERS

Enforcement Action:

Site ID:	395437
Site Name:	Jeffrey Mettler Farms
Site Address:	8868 HIGHWAY 166
Site City:	BAKERSFIELD
Site Zip:	93313
Enf Action Date:	01-20-2015
Enf Action Type:	Notice of Violation (Unified Program)
Enf Action Description:	Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes:	Not reported
Enf Action Division:	Kern County Env Health Services Department
Enf Action Program:	HMRRP
Enf Action Source:	CERS
Site ID:	395437
Site Name:	Jeffrey Mettler Farms
Site Address:	8868 HIGHWAY 166
Site City:	BAKERSFIELD

JEFFREY METTLER FARMS (Continued) **S121773786**

Site Zip:	93313
Enf Action Date:	01-20-2015
Enf Action Type:	Notice of Violation (Unified Program)
Enf Action Description:	Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes:	Not reported
Enf Action Division:	Kern County Env Health Services Department
Enf Action Program:	HW
Enf Action Source:	CERS

Coordinates:

Site ID:	395437
Facility Name:	Jeffrey Mettler Farms
Env Int Type Code:	APSA
Program ID:	10156829
Coord Name:	Not reported
Ref Point Type Desc:	Center of a facility or station.
Latitude:	35.059350
Longitude:	-119.010190

Affiliation:

Affiliation Type Desc:	Document Preparer
Entity Name:	JEFFREY METTLER
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported

Affiliation Type Desc:	Identification Signer
Entity Name:	JEFFREY METTLER
Entity Title:	PRESIDENT
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported

Affiliation Type Desc:	Operator
Entity Name:	JEFFREY METTLER
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	(661) 809-7900

Affiliation Type Desc:	Property Owner
Entity Name:	JEFFREY METTLER
Entity Title:	Not reported
Affiliation Address:	7404 EL VERANO DR.
Affiliation City:	Bakersfield
Affiliation State:	CA

JEFFREY METTLER FARMS (Continued) **S121773786**

Affiliation Country: United States
Affiliation Zip: 93309
Affiliation Phone: (661) 833-0560

Affiliation Type Desc: Parent Corporation
Entity Name: Jeff Mettler Farms
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: Not reported

Affiliation Type Desc: CUPA District
Entity Name: Kern County Environmental Health Services Departme
Entity Title: Not reported
Affiliation Address: 2700 M Street, Suite 300
Affiliation City: Bakersfield
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 93301-2370
Affiliation Phone: (661) 862-8740

Affiliation Type Desc: Environmental Contact
Entity Name: JEFFREY METTLER
Entity Title: Not reported
Affiliation Address: 7404 EL VERANO DR.
Affiliation City: BAKERSFIELD
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 93309
Affiliation Phone: (661) 809-7900

Affiliation Type Desc: Legal Owner
Entity Name: JEFFREY METTLER FARMS, INC
Entity Title: Not reported
Affiliation Address: 7404 EL VERANO DR
Affiliation City: BAKERSFIELD
Affiliation State: CA
Affiliation Country: United States
Affiliation Zip: 93309
Affiliation Phone: (661) 833-0560

Affiliation Type Desc: Facility Mailing Address
Entity Name: Mailing Address
Entity Title: Not reported
Affiliation Address: 7404 EL VERANO DR.
Affiliation City: BAKERSFIELD
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 93309
Affiliation Phone: Not reported

CERS TANKS:
Site ID: 395437

JEFFREY METTLER FARMS (Continued) **S121773786**

CERS ID: 10156829
CERS Description: Chemical Storage Facilities

Violations:

Site ID: 395437
Site Name: Jeffrey Mettler Farms
Violation Date: 01-20-2015
Citation: HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Description: Failure to complete and electronically submit a site map with all required content.
Violation Notes: Returned to compliance on 03/04/2015. OBSERVATION: The site map submitted onto CERS does not have the location of all hazardous materials on it. CORRECTIVE ACTION: Upload a site map with the location of all hazardous materials onto CERS. The "WASTE OIL," "HYDRAULIC TRACTOR FLUID" and "MOTOR OIL" are not on the site map. It is optional if "PUMP OIL" is added to the site map.
Violation Division: Kern County Env Health Services Department
Violation Program: HMRRP
Violation Source: CERS

Site ID: 395437
Site Name: Jeffrey Mettler Farms
Violation Date: 06-04-2018
Citation: HSC 6.95 25508.2 - California Health and Safety Code, Chapter 6.95, Section(s) 25508.2
Violation Description: Failure to annually review and electronically certify that the business plan is complete and accurate on or before the annual due date.
Violation Notes: THE LAST SUBMISSION OF THE HAZARDOUS MATERIAL BUSINESS PLAN (HMBP) WAS DATED 06/03/16. THE ALL ELEMENTS OF THE HMBP MUST BE SUBMITTED ON AN ANNUAL BASIS. THIS INCLUDES FACILITY INFORMATION, HAZMAT INVENTORY, AND TRAINING/CONTINGENCY PLANS. PLEASE SUBMIT HMBP ON AN ANNUAL BASIS.
Violation Division: Kern County Env Health Services Department
Violation Program: HMRRP
Violation Source: CERS

Site ID: 395437
Site Name: Jeffrey Mettler Farms
Violation Date: 01-20-2015
Citation: 22 CCR 12 66262.34(f) - California Code of Regulations, Title 22, Chapter 12, Section(s) 66262.34(f)
Violation Description: Failure to properly label hazardous waste accumulation containers with the following requirements: "Hazardous Waste", name and address of the generator, physical and chemical characteristics of the Hazardous Waste, and starting accumulation date.
Violation Notes: Returned to compliance on 03/05/2015. OBSERVATION: The aboveground storage tank containing WASTE OIL was not properly labeled at the time of inspection. The starting accumulation date was not filled in. CORRECTIVE ACTION: Contact an authorized hazardous waste hauler to pick up the WASTE OIL. Take photos of properly labeled hazardous waste containers with a starting accumulation date. Email the photos and manifest from your authorized hazardous waste hauler to: yimr@co.kern.ca.us.
Violation Division: Kern County Env Health Services Department
Violation Program: HW
Violation Source: CERS

JEFFREY METTLER FARMS (Continued) **S121773786**

Site ID:	395437
Site Name:	Jeffrey Mettler Farms
Violation Date:	01-20-2015
Citation:	HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Description:	Failure to establish and electronically submit an adequate training program in safety procedures in the event of a release or threatened release of a hazardous material.
Violation Notes:	Returned to compliance on 03/04/2015. OBSERVATION: There was no Employee Training Plan submitted onto CERS at the time of inspection. CORRECTIVE ACTION: Upload an adequate Employee Training Plan onto CERS.
Violation Division:	Kern County Env Health Services Department
Violation Program:	HMRRP
Violation Source:	CERS

Site ID:	395437
Site Name:	Jeffrey Mettler Farms
Violation Date:	01-20-2015
Citation:	HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Description:	Failure to complete and electronically submit hazardous material inventory information for all reportable hazardous materials on site at or above reportable quantities.
Violation Notes:	Returned to compliance on 03/04/2015. OBSERVATION: The hazardous materials inventory on the California Environmental Reporting System (CERS) is inaccurate. CORRECTIVE ACTION: Please update your hazardous materials inventory on CERS. More specifically, change the Max Daily Amount of: 1) "WASTE OIL" from 75 gallons to 500 gallons 2) "DIESEL" from 2500 gallons to 7500 gallons 3) "UNLEADED GASOLINE" from 500 gallons to 2200 gallons 4) "ACETYLENE" from 300 cubic feet to 472 cubic feet 5) "OXYGEN" from 500 cubic feet to 1100 cubic feet.
Violation Division:	Kern County Env Health Services Department
Violation Program:	HMRRP
Violation Source:	CERS

Site ID:	395437
Site Name:	Jeffrey Mettler Farms
Violation Date:	01-20-2015
Citation:	19 CCR 6.95 25508(a)(1) - California Code of Regulations, Title 19, Chapter 6.95, Section(s) 25508(a)(1)
Violation Description:	Failure to complete and electronically submit the Business Activities Page and/or Business Owner Operator Identification Page.
Violation Notes:	Returned to compliance on 03/04/2015. OBSERVATION: The Business Activities Page on the CERS is inaccurate for this facility. CORRECTIVE ACTION: Change the "Yes" to "No" under "consolidate hazardous waste generated at a remote site" and change the "No" to a "Yes" under "Aboveground Petroleum Storage" on the Business Activities Page for this facility on CERS.
Violation Division:	Kern County Env Health Services Department
Violation Program:	HMRRP
Violation Source:	CERS

Site ID:	395437
Site Name:	Jeffrey Mettler Farms
Violation Date:	06-04-2018
Citation:	22 CCR 12 66262.34(f) - California Code of Regulations, Title 22,

JEFFREY METTLER FARMS (Continued) **S121773786**

	Chapter 12, Section(s) 66262.34(f)
Violation Description:	Failure to properly label hazardous waste accumulation containers and portable tanks with the following requirements: "Hazardous Waste", name and address of the generator, physical and chemical characteristics of the Hazardous Waste, and starting accumulation date.
Violation Notes:	OBSERVED OIL WASTE WITHOUT LABEL. PLEASE ENSURE ALL HAZWASTE IS LABELED PROPERLY.
Violation Division:	Kern County Env Health Services Department
Violation Program:	HW
Violation Source:	CERS
Site ID:	395437
Site Name:	Jeffrey Mettler Farms
Violation Date:	01-20-2015
Citation:	HSC 6.5 25160.2 - California Health and Safety Code, Chapter 6.5, Section(s) 25160.2
Violation Description:	Failure to meet any of the following consolidated manifest requirements: 1) Legible receipts for each quantity of hazardous waste that is received from a generator, 2) The generator's information (name, address, identification number, contact person, telephone number of the generator, the signature of the generator or the generator's representative), 3) Date of the shipment, 4) The manifest number, 5) The volume or quantity of each waste stream received, 6) The name, address, and identification number of the authorized facility to which the hazardous waste will be transported, 7) The transporter's information (name, address, and identification number, the driver's signature), 8) A statement, signed by the generator, certifying that the generator has established a program to reduce the volume or quantity and toxicity of the hazardous waste to the degree economically practicable. 9) The generator shall retain each receipt for at least three years.
Violation Notes:	Returned to compliance on 03/05/2015. OBSERVATION: No consolidated manifests were available for review at the time of inspection. CORRECTIVE ACTION: Contact an authorized hazardous waste hauler to pick up the WASTE OIL. Email the manifest from your authorized hazardous waste hauler to: yimr@co.kern.ca.us.
Violation Division:	Kern County Env Health Services Department
Violation Program:	HW
Violation Source:	CERS

Evaluation:

Eval General Type:	Compliance Evaluation Inspection
Eval Date:	06-04-2018
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	Not reported
Eval Division:	Kern County Env Health Services Department
Eval Program:	HW
Eval Source:	CERS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	01-20-2015
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	For any questions, please contact Raymond Yim at: 661-862-8766
Eval Division:	Kern County Env Health Services Department

JEFFREY METTLER FARMS (Continued) **S121773786**

Eval Program:	APSA
Eval Source:	CERS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	06-04-2018
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	Not reported
Eval Division:	Kern County Env Health Services Department
Eval Program:	APSA
Eval Source:	CERS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	01-20-2015
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	All violations shall be abated within 30 days. Once violations are abated, please sign, date and submit the correction certificate at the end of this inspection report. This signed document may be submitted by FAX at: 661-862-8701 or email to: yimr@co.kern.ca.us. For any questions, please contact Raymond Yim at: 661-862-8766
Eval Division:	Kern County Env Health Services Department
Eval Program:	HMRRP
Eval Source:	CERS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	01-20-2015
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	All violations shall be abated within 30 days. Once violations are abated, please sign, date and submit the correction certificate at the end of this inspection report. This signed document may be submitted by FAX at: 661-862-8701 or email to: yimr@co.kern.ca.us. For any questions, please contact Raymond Yim at: 661-862-8766
Eval Division:	Kern County Env Health Services Department
Eval Program:	HW
Eval Source:	CERS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	06-04-2018
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	Not reported
Eval Division:	Kern County Env Health Services Department
Eval Program:	HMRRP
Eval Source:	CERS

Enforcement Action:

Site ID:	395437
Site Name:	Jeffrey Mettler Farms
Site Address:	8868 HIGHWAY 166
Site City:	BAKERSFIELD
Site Zip:	93313
Enf Action Date:	01-20-2015
Enf Action Type:	Notice of Violation (Unified Program)
Enf Action Description:	Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes:	Not reported

JEFFREY METTLER FARMS (Continued) **S121773786**

Enf Action Division:	Kern County Env Health Services Department
Enf Action Program:	HMRRP
Enf Action Source:	CERS
Site ID:	395437
Site Name:	Jeffrey Mettler Farms
Site Address:	8868 HIGHWAY 166
Site City:	BAKERSFIELD
Site Zip:	93313
Enf Action Date:	01-20-2015
Enf Action Type:	Notice of Violation (Unified Program)
Enf Action Description:	Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes:	Not reported
Enf Action Division:	Kern County Env Health Services Department
Enf Action Program:	HW
Enf Action Source:	CERS

Coordinates:

Site ID:	395437
Facility Name:	Jeffrey Mettler Farms
Env Int Type Code:	APSA
Program ID:	10156829
Coord Name:	Not reported
Ref Point Type Desc:	Center of a facility or station.
Latitude:	35.059350
Longitude:	-119.010190

Affiliation:

Affiliation Type Desc:	Document Preparer
Entity Name:	JEFFREY METTLER
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported
Affiliation Type Desc:	Identification Signer
Entity Name:	JEFFREY METTLER
Entity Title:	PRESIDENT
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported
Affiliation Type Desc:	Operator
Entity Name:	JEFFREY METTLER
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported

JEFFREY METTLER FARMS (Continued) **S121773786**

Affiliation Phone:	(661) 809-7900
Affiliation Type Desc:	Property Owner
Entity Name:	JEFFREY METTLER
Entity Title:	Not reported
Affiliation Address:	7404 EL VERANO DR.
Affiliation City:	Bakersfield
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	93309
Affiliation Phone:	(661) 833-0560
Affiliation Type Desc:	Parent Corporation
Entity Name:	Jeff Mettler Farms
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported
Affiliation Type Desc:	CUPA District
Entity Name:	Kern County Environmental Health Services Departme
Entity Title:	Not reported
Affiliation Address:	2700 M Street, Suite 300
Affiliation City:	Bakersfield
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	93301-2370
Affiliation Phone:	(661) 862-8740
Affiliation Type Desc:	Environmental Contact
Entity Name:	JEFFREY METTLER
Entity Title:	Not reported
Affiliation Address:	7404 EL VERANO DR.
Affiliation City:	BAKERSFIELD
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	93309
Affiliation Phone:	(661) 809-7900
Affiliation Type Desc:	Legal Owner
Entity Name:	JEFFREY METTLER FARMS, INC
Entity Title:	Not reported
Affiliation Address:	7404 EL VERANO DR
Affiliation City:	BAKERSFIELD
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	93309
Affiliation Phone:	(661) 833-0560
Affiliation Type Desc:	Facility Mailing Address
Entity Name:	Mailing Address
Entity Title:	Not reported
Affiliation Address:	7404 EL VERANO DR.
Affiliation City:	BAKERSFIELD

JEFFREY METTLER FARMS (Continued) **S121773786**

Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	93309
Affiliation Phone:	Not reported

C10 WNW 1/8-1/4 0.215 mi. 1134 ft. **JEFFREY METTLER FARMS** **AST** **A100421135**
8868 HIGHWAY 166 **N/A**
BAKERSFIELD, CA 93313

Site 3 of 3 in cluster C

Relative: Lower

Actual: 457 ft.

AST:

Certified Unified Program Agencies:	Not reported
Owner:	JEFFREY METTLER FARMS, INC
Total Gallons:	Not reported
CERSID:	10156829
Facility ID:	15-010-000161
Business Name:	Jeff Mettler Farms
Phone:	661-833-0560
Fax:	661-833-0566
Mailing Address:	7404 EL VERANO DR.
Mailing Address City:	BAKERSFIELD
Mailing Address State:	CA
Mailing Address Zip Code:	93309
Operator Name:	JEFFREY METTLER
Operator Phone:	661-809-7900
Owner Phone:	661-833-0560
Owner Mail Address:	7404 EL VERANO DR
Owner State:	CA
Owner Zip Code:	93309
Owner Country:	United States
Property Owner Name:	JEFFREY METTLER
Property Owner Phone:	661-833-0560
Property Owner Mailing Address:	7404 EL VERANO DR.
Property Owner City:	Bakersfield
Property Owner Stat :	CA
Property Owner Zip Code:	93309
Property Owner Country:	United States
EPAID:	CAL000280654

Count: 2 records.

ORPHAN SUMMARY

City	EDR ID	Site Name	Site Address	Zip	Database(s)
KERN COUNTY	S107539570		NORTH BOUND INTERSTATE, HIGHWA		CDL
KERN COUNTY	S107540761		SR99 NO BOUND LANE/1 MI S OF H		CDL

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: 03/11/2019
Date Data Arrived at EDR: 03/14/2019
Date Made Active in Reports: 04/01/2019
Number of Days to Update: 18

Source: EPA
Telephone: N/A
Last EDR Contact: 04/05/2019
Next Scheduled EDR Contact: 07/15/2019
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: 03/11/2019
Date Data Arrived at EDR: 03/14/2019
Date Made Active in Reports: 04/01/2019
Number of Days to Update: 18

Source: EPA
Telephone: N/A
Last EDR Contact: 04/05/2019
Next Scheduled EDR Contact: 07/15/2019
Data Release Frequency: Quarterly

NPL LIENS: Federal Superfund Liens

Federal Superfund Liens. Under the authority granted the USEPA by CERCLA of 1980, the USEPA has the authority to file liens against real property in order to recover remedial action expenditures or when the property owner received notification of potential liability. USEPA compiles a listing of filed notices of Superfund Liens.

Date of Government Version: 10/15/1991
Date Data Arrived at EDR: 02/02/1994
Date Made Active in Reports: 03/30/1994
Number of Days to Update: 56

Source: EPA
Telephone: 202-564-4267
Last EDR Contact: 08/15/2011
Next Scheduled EDR Contact: 11/28/2011
Data Release Frequency: No Update Planned

Federal Delisted NPL site list

Delisted NPL: National Priority List Deletions

The National Oil and Hazardous Substances Pollution Contingency Plan (NCP) establishes the criteria that the EPA uses to delete sites from the NPL. In accordance with 40 CFR 300.425.(e), sites may be deleted from the NPL where no further response is appropriate.

Date of Government Version: 03/11/2019
Date Data Arrived at EDR: 03/14/2019
Date Made Active in Reports: 04/01/2019
Number of Days to Update: 18

Source: EPA
Telephone: N/A
Last EDR Contact: 04/05/2019
Next Scheduled EDR Contact: 07/15/2019
Data Release Frequency: Quarterly

Federal CERCLIS list

FEDERAL FACILITY: Federal Facility Site Information listing

A listing of National Priority List (NPL) and Base Realignment and Closure (BRAC) sites found in the Comprehensive Environmental Response, Compensation and Liability Information System (CERCLIS) Database where EPA Federal Facilities Restoration and Reuse Office is involved in cleanup activities.

Date of Government Version: 11/07/2016
Date Data Arrived at EDR: 01/05/2017
Date Made Active in Reports: 04/07/2017
Number of Days to Update: 92

Source: Environmental Protection Agency
Telephone: 703-603-8704
Last EDR Contact: 04/05/2019
Next Scheduled EDR Contact: 07/15/2019
Data Release Frequency: Varies

SEMS: Superfund Enterprise Management System

SEMS (Superfund Enterprise Management System) tracks hazardous waste sites, potentially hazardous waste sites, and remedial activities performed in support of EPA's Superfund Program across the United States. The list was formerly know as CERCLIS, renamed to SEMS by the EPA in 2015. The list contains data on potentially hazardous waste sites that have been reported to the USEPA by states, municipalities, private companies and private persons, pursuant to Section 103 of the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA). This dataset also contains sites which are either proposed to or on the National Priorities List (NPL) and the sites which are in the screening and assessment phase for possible inclusion on the NPL.

Date of Government Version: 02/06/2019
Date Data Arrived at EDR: 02/15/2019
Date Made Active in Reports: 03/15/2019
Number of Days to Update: 28

Source: EPA
Telephone: 800-424-9346
Last EDR Contact: 03/14/2019
Next Scheduled EDR Contact: 04/29/2019
Data Release Frequency: Quarterly

Federal CERCLIS NFRAP site list

SEMS-ARCHIVE: Superfund Enterprise Management System Archive

SEMS-ARCHIVE (Superfund Enterprise Management System Archive) tracks sites that have no further interest under the Federal Superfund Program based on available information. The list was formerly known as the CERCLIS-NFRAP, renamed to SEMS ARCHIVE by the EPA in 2015. EPA may perform a minimal level of assessment work at a site while it is archived if site conditions change and/or new information becomes available. Archived sites have been removed and archived from the inventory of SEMS sites. Archived status indicates that, to the best of EPA's knowledge, assessment at a site has been completed and that EPA has determined no further steps will be taken to list the site on the National Priorities List (NPL), unless information indicates this decision was not appropriate or other considerations require a recommendation for listing at a later time. The decision does not necessarily mean that there is no hazard associated with a given site; it only means that. based upon available information, the location is not judged to be potential NPL site.

Date of Government Version: 02/06/2019
Date Data Arrived at EDR: 02/15/2019
Date Made Active in Reports: 03/15/2019
Number of Days to Update: 28

Source: EPA
Telephone: 800-424-9346
Last EDR Contact: 03/14/2019
Next Scheduled EDR Contact: 04/29/2019
Data Release Frequency: Quarterly

Federal RCRA CORRACTS facilities list

CORRACTS: Corrective Action Report

CORRACTS identifies hazardous waste handlers with RCRA corrective action activity.

Date of Government Version: 03/01/2018
Date Data Arrived at EDR: 03/28/2018
Date Made Active in Reports: 06/22/2018
Number of Days to Update: 86

Source: EPA
Telephone: 800-424-9346
Last EDR Contact: 03/27/2019
Next Scheduled EDR Contact: 07/08/2019
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: 03/01/2018
Date Data Arrived at EDR: 03/28/2018
Date Made Active in Reports: 06/22/2018
Number of Days to Update: 86

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 03/27/2019
Next Scheduled EDR Contact: 07/08/2019
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: 03/01/2018
Date Data Arrived at EDR: 03/28/2018
Date Made Active in Reports: 06/22/2018
Number of Days to Update: 86

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 03/27/2019
Next Scheduled EDR Contact: 07/08/2019
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: 03/01/2018
Date Data Arrived at EDR: 03/28/2018
Date Made Active in Reports: 06/22/2018
Number of Days to Update: 86

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 03/27/2019
Next Scheduled EDR Contact: 07/08/2019
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: 03/01/2018
Date Data Arrived at EDR: 03/28/2018
Date Made Active in Reports: 06/22/2018
Number of Days to Update: 86

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 03/27/2019
Next Scheduled EDR Contact: 07/08/2019
Data Release Frequency: Quarterly

Federal institutional controls / engineering controls registries

LUCIS: Land Use Control Information System

LUCIS contains records of land use control information pertaining to the former Navy Base Realignment and Closure properties.

Date of Government Version: 10/17/2018
Date Data Arrived at EDR: 10/25/2018
Date Made Active in Reports: 12/07/2018
Number of Days to Update: 43

Source: Department of the Navy
Telephone: 843-820-7326
Last EDR Contact: 02/07/2019
Next Scheduled EDR Contact: 05/27/2019
Data Release Frequency: Varies

US ENG CONTROLS: Engineering Controls Sites List

A listing of sites with engineering controls in place. Engineering controls include various forms of caps, building foundations, liners, and treatment methods to create pathway elimination for regulated substances to enter environmental media or effect human health.

Date of Government Version: 01/31/2019
Date Data Arrived at EDR: 02/04/2019
Date Made Active in Reports: 03/08/2019
Number of Days to Update: 32

Source: Environmental Protection Agency
Telephone: 703-603-0695
Last EDR Contact: 02/04/2019
Next Scheduled EDR Contact: 06/10/2019
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: 01/31/2019
Date Data Arrived at EDR: 02/04/2019
Date Made Active in Reports: 03/08/2019
Number of Days to Update: 32

Source: Environmental Protection Agency
Telephone: 703-603-0695
Last EDR Contact: 02/04/2019
Next Scheduled EDR Contact: 06/10/2019
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: 02/04/2019
Date Data Arrived at EDR: 02/08/2019
Date Made Active in Reports: 03/08/2019
Number of Days to Update: 28

Source: National Response Center, United States Coast Guard
Telephone: 202-267-2180
Last EDR Contact: 03/26/2019
Next Scheduled EDR Contact: 07/08/2019
Data Release Frequency: Quarterly

State- and tribal - equivalent NPL

RESPONSE: State Response Sites

Identifies confirmed release sites where DTSC is involved in remediation, either in a lead or oversight capacity. These confirmed release sites are generally high-priority and high potential risk.

Date of Government Version: 01/28/2019
Date Data Arrived at EDR: 01/29/2019
Date Made Active in Reports: 03/05/2019
Number of Days to Update: 35

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 01/29/2019
Next Scheduled EDR Contact: 05/11/2019
Data Release Frequency: Quarterly

State- and tribal - equivalent CERCLIS

ENVIROSTOR: EnviroStor Database

The Department of Toxic Substances Control's (DTSC's) Site Mitigation and Brownfields Reuse Program's (SMBRP's) EnviroStor database identifes sites that have known contamination or sites for which there may be reasons to investigate further. The database includes the following site types: Federal Superfund sites (National Priorities List (NPL)); State Response, including Military Facilities and State Superfund; Voluntary Cleanup; and School sites. EnviroStor provides similar information to the information that was available in CalSites, and provides additional site information, including, but not limited to, identification of formerly-contaminated properties that have been released for reuse, properties where environmental deed restrictions have been recorded to prevent inappropriate land uses, and risk characterization information that is used to assess potential impacts to public health and the environment at contaminated sites.

Date of Government Version: 01/28/2019
Date Data Arrived at EDR: 01/29/2019
Date Made Active in Reports: 03/05/2019
Number of Days to Update: 35

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 01/29/2019
Next Scheduled EDR Contact: 05/11/2019
Data Release Frequency: Quarterly

State and tribal landfill and/or solid waste disposal site lists

SWF/LF (SWIS): Solid Waste Information System

Active, Closed and Inactive Landfills. SWF/LF records typically contain an inve ntory of solid waste disposal facilities or landfills. These may be active or i nactive facilities or open dumps that failed to meet RCRA Section 4004 criteria for solid waste landfills or disposal sites.

Date of Government Version: 02/11/2019
Date Data Arrived at EDR: 02/12/2019
Date Made Active in Reports: 03/05/2019
Number of Days to Update: 21

Source: Department of Resources Recycling and Recovery
Telephone: 916-341-6320
Last EDR Contact: 02/12/2019
Next Scheduled EDR Contact: 05/27/2019
Data Release Frequency: Quarterly

State and tribal leaking storage tank lists

LUST REG 1: Active Toxic Site Investigation
Del Norte, Humboldt, Lake, Mendocino, Modoc, Siskiyou, Sonoma, Trinity counties. For more current information, please refer to the State Water Resources Control Board's LUST database.

Date of Government Version: 02/01/2001
Date Data Arrived at EDR: 02/28/2001
Date Made Active in Reports: 03/29/2001
Number of Days to Update: 29

Source: California Regional Water Quality Control Board North Coast (1)
Telephone: 707-570-3769
Last EDR Contact: 08/01/2011
Next Scheduled EDR Contact: 11/14/2011
Data Release Frequency: No Update Planned

LUST REG 7: Leaking Underground Storage Tank Case Listing
Leaking Underground Storage Tank locations. Imperial, Riverside, San Diego, Santa Barbara counties.

Date of Government Version: 02/26/2004
Date Data Arrived at EDR: 02/26/2004
Date Made Active in Reports: 03/24/2004
Number of Days to Update: 27

Source: California Regional Water Quality Control Board Colorado River Basin Region (7)
Telephone: 760-776-8943
Last EDR Contact: 08/01/2011
Next Scheduled EDR Contact: 11/14/2011
Data Release Frequency: No Update Planned

LUST REG 8: Leaking Underground Storage Tanks
California Regional Water Quality Control Board Santa Ana Region (8). For more current information, please refer to the State Water Resources Control Board's LUST database.

Date of Government Version: 02/14/2005
Date Data Arrived at EDR: 02/15/2005
Date Made Active in Reports: 03/28/2005
Number of Days to Update: 41

Source: California Regional Water Quality Control Board Santa Ana Region (8)
Telephone: 909-782-4496
Last EDR Contact: 08/15/2011
Next Scheduled EDR Contact: 11/28/2011
Data Release Frequency: Varies

LUST REG 6V: Leaking Underground Storage Tank Case Listing
Leaking Underground Storage Tank locations. Inyo, Kern, Los Angeles, Mono, San Bernardino counties.

Date of Government Version: 06/07/2005
Date Data Arrived at EDR: 06/07/2005
Date Made Active in Reports: 06/29/2005
Number of Days to Update: 22

Source: California Regional Water Quality Control Board Victorville Branch Office (6)
Telephone: 760-241-7365
Last EDR Contact: 09/12/2011
Next Scheduled EDR Contact: 12/26/2011
Data Release Frequency: No Update Planned

LUST REG 6L: Leaking Underground Storage Tank Case Listing
For more current information, please refer to the State Water Resources Control Board's LUST database.

Date of Government Version: 09/09/2003
Date Data Arrived at EDR: 09/10/2003
Date Made Active in Reports: 10/07/2003
Number of Days to Update: 27

Source: California Regional Water Quality Control Board Lahontan Region (6)
Telephone: 530-542-5572
Last EDR Contact: 09/12/2011
Next Scheduled EDR Contact: 12/26/2011
Data Release Frequency: No Update Planned

LUST REG 5: Leaking Underground Storage Tank Database
Leaking Underground Storage Tank locations. Alameda, Alpine, Amador, Butte, Colusa, Contra Costa, Calveras, El Dorado, Fresno, Glenn, Kern, Kings, Lake, Lassen, Madera, Mariposa, Merced, Modoc, Napa, Nevada, Placer, Plumas, Sacramento, San Joaquin, Shasta, Solano, Stanislaus, Sutter, Tehama, Tulare, Tuolumne, Yolo, Yuba counties.

Date of Government Version: 07/01/2008
Date Data Arrived at EDR: 07/22/2008
Date Made Active in Reports: 07/31/2008
Number of Days to Update: 9

Source: California Regional Water Quality Control Board Central Valley Region (5)
Telephone: 916-464-4834
Last EDR Contact: 07/01/2011
Next Scheduled EDR Contact: 10/17/2011
Data Release Frequency: No Update Planned

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

Date of Government Version: 12/10/2018
Date Data Arrived at EDR: 12/11/2018
Date Made Active in Reports: 01/15/2019
Number of Days to Update: 35

Source: State Water Resources Control Board
Telephone: see region list
Last EDR Contact: 12/11/2018
Next Scheduled EDR Contact: 03/25/2019
Data Release Frequency: Quarterly

LUST REG 2: Fuel Leak List

Leaking Underground Storage Tank locations. Alameda, Contra Costa, Marin, Napa, San Francisco, San Mateo, Santa Clara, Solano, Sonoma counties.

Date of Government Version: 09/30/2004
Date Data Arrived at EDR: 10/20/2004
Date Made Active in Reports: 11/19/2004
Number of Days to Update: 30

Source: California Regional Water Quality Control Board San Francisco Bay Region (2)
Telephone: 510-622-2433
Last EDR Contact: 09/19/2011
Next Scheduled EDR Contact: 01/02/2012
Data Release Frequency: Quarterly

LUST REG 3: Leaking Underground Storage Tank Database

Leaking Underground Storage Tank locations. Monterey, San Benito, San Luis Obispo, Santa Barbara, Santa Cruz counties.

Date of Government Version: 05/19/2003
Date Data Arrived at EDR: 05/19/2003
Date Made Active in Reports: 06/02/2003
Number of Days to Update: 14

Source: California Regional Water Quality Control Board Central Coast Region (3)
Telephone: 805-542-4786
Last EDR Contact: 07/18/2011
Next Scheduled EDR Contact: 10/31/2011
Data Release Frequency: No Update Planned

LUST REG 4: Underground Storage Tank Leak List

Los Angeles, Ventura counties. For more current information, please refer to the State Water Resources Control Board's LUST database.

Date of Government Version: 09/07/2004
Date Data Arrived at EDR: 09/07/2004
Date Made Active in Reports: 10/12/2004
Number of Days to Update: 35

Source: California Regional Water Quality Control Board Los Angeles Region (4)
Telephone: 213-576-6710
Last EDR Contact: 09/06/2011
Next Scheduled EDR Contact: 12/19/2011
Data Release Frequency: No Update Planned

LUST REG 9: Leaking Underground Storage Tank Report

Orange, Riverside, San Diego counties. For more current information, please refer to the State Water Resources Control Board's LUST database.

Date of Government Version: 03/01/2001
Date Data Arrived at EDR: 04/23/2001
Date Made Active in Reports: 05/21/2001
Number of Days to Update: 28

Source: California Regional Water Quality Control Board San Diego Region (9)
Telephone: 858-637-5595
Last EDR Contact: 09/26/2011
Next Scheduled EDR Contact: 01/09/2012
Data Release Frequency: No Update Planned

INDIAN LUST R10: Leaking Underground Storage Tanks on Indian Land

LUSTs on Indian land in Alaska, Idaho, Oregon and Washington.

Date of Government Version: 04/12/2018
Date Data Arrived at EDR: 05/18/2018
Date Made Active in Reports: 07/20/2018
Number of Days to Update: 63

Source: EPA Region 10
Telephone: 206-553-2857
Last EDR Contact: 03/07/2019
Next Scheduled EDR Contact: 05/06/2019
Data Release Frequency: Varies

INDIAN LUST R9: Leaking Underground Storage Tanks on Indian Land

LUSTs on Indian land in Arizona, California, New Mexico and Nevada

Date of Government Version: 04/10/2018
Date Data Arrived at EDR: 05/18/2018
Date Made Active in Reports: 07/20/2018
Number of Days to Update: 63

Source: Environmental Protection Agency
Telephone: 415-972-3372
Last EDR Contact: 03/07/2019
Next Scheduled EDR Contact: 05/06/2019
Data Release Frequency: Varies

INDIAN LUST R8: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Colorado, Montana, North Dakota, South Dakota, Utah and Wyoming.

Date of Government Version: 04/25/2018
Date Data Arrived at EDR: 05/18/2018
Date Made Active in Reports: 07/20/2018
Number of Days to Update: 63
Source: EPA Region 8
Telephone: 303-312-6271
Last EDR Contact: 03/07/2019
Next Scheduled EDR Contact: 05/06/2019
Data Release Frequency: Varies

INDIAN LUST R7: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Iowa, Kansas, and Nebraska

Date of Government Version: 04/24/2018
Date Data Arrived at EDR: 05/18/2018
Date Made Active in Reports: 07/20/2018
Number of Days to Update: 63
Source: EPA Region 7
Telephone: 913-551-7003
Last EDR Contact: 03/07/2019
Next Scheduled EDR Contact: 05/06/2019
Data Release Frequency: Varies

INDIAN LUST R6: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in New Mexico and Oklahoma.

Date of Government Version: 04/01/2018
Date Data Arrived at EDR: 05/18/2018
Date Made Active in Reports: 07/20/2018
Number of Days to Update: 63
Source: EPA Region 6
Telephone: 214-665-6597
Last EDR Contact: 03/07/2019
Next Scheduled EDR Contact: 05/06/2019
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: 05/08/2018
Date Data Arrived at EDR: 05/18/2018
Date Made Active in Reports: 07/20/2018
Number of Days to Update: 63
Source: EPA Region 4
Telephone: 404-562-8677
Last EDR Contact: 03/05/2019
Next Scheduled EDR Contact: 05/06/2019
Data Release Frequency: Varies

INDIAN LUST R1: Leaking Underground Storage Tanks on Indian Land
A listing of leaking underground storage tank locations on Indian Land.

Date of Government Version: 04/13/2018
Date Data Arrived at EDR: 05/18/2018
Date Made Active in Reports: 07/20/2018
Number of Days to Update: 63
Source: EPA Region 1
Telephone: 617-918-1313
Last EDR Contact: 03/07/2019
Next Scheduled EDR Contact: 05/06/2019
Data Release Frequency: Varies

INDIAN LUST R5: Leaking Underground Storage Tanks on Indian Land
Leaking underground storage tanks located on Indian Land in Michigan, Minnesota and Wisconsin.

Date of Government Version: 04/12/2018
Date Data Arrived at EDR: 05/18/2018
Date Made Active in Reports: 07/20/2018
Number of Days to Update: 63
Source: EPA, Region 5
Telephone: 312-886-7439
Last EDR Contact: 03/07/2019
Next Scheduled EDR Contact: 05/06/2019
Data Release Frequency: Varies

CPS-SLIC: Statewide SLIC Cases (GEOTRACKER)
Cleanup Program Sites (CPS; also known as Site Cleanups [SC] and formerly known as Spills, Leaks, Investigations, and Cleanups [SLIC] sites) included in GeoTracker. GeoTracker is the Water Boards data management system for sites that impact, or have the potential to impact, water quality in California, with emphasis on groundwater.

Date of Government Version: 12/10/2018
Date Data Arrived at EDR: 12/11/2018
Date Made Active in Reports: 01/15/2019
Number of Days to Update: 35
Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 12/12/2018
Next Scheduled EDR Contact: 03/25/2019
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.

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.

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

State and tribal registered storage tank lists

FEMA UST: Underground Storage Tank Listing
A listing of all FEMA owned underground storage tanks.

Date of Government Version: 05/15/2017
Date Data Arrived at EDR: 05/30/2017
Date Made Active in Reports: 10/13/2017
Number of Days to Update: 136

Source: FEMA
Telephone: 202-646-5797
Last EDR Contact: 04/12/2019
Next Scheduled EDR Contact: 07/22/2019
Data Release Frequency: Varies

UST CLOSURE: Proposed Closure of Underground Storage Tank (UST) Cases
UST cases that are being considered for closure by either the State Water Resources Control Board or the Executive Director have been posted for a 60-day public comment period. UST Case Closures being proposed for consideration by the State Water Resources Control Board. These are primarily UST cases that meet closure criteria under the decisional framework in State Water Board Resolution No. 92-49 and other Board orders. UST Case Closures proposed for consideration by the Executive Director pursuant to State Water Board Resolution No. 2012-0061. These are cases that meet the criteria of the Low-Threat UST Case Closure Policy. UST Case Closure Review Denials and Approved Orders.

Date of Government Version: 03/11/2019
Date Data Arrived at EDR: 03/13/2019
Date Made Active in Reports: 04/03/2019
Number of Days to Update: 21

Source: State Water Resources Control Board
Telephone: 916-327-7844
Last EDR Contact: 03/13/2019
Next Scheduled EDR Contact: 06/24/2019
Data Release Frequency: Varies

MILITARY UST SITES: Military UST Sites (GEOTRACKER)
Military ust sites

Date of Government Version: 12/10/2018
Date Data Arrived at EDR: 12/11/2018
Date Made Active in Reports: 01/15/2019
Number of Days to Update: 35

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 12/12/2018
Next Scheduled EDR Contact: 03/25/2019
Data Release Frequency: Varies

UST: Active UST Facilities
Active UST facilities gathered from the local regulatory agencies

Date of Government Version: 12/10/2018
Date Data Arrived at EDR: 12/11/2018
Date Made Active in Reports: 01/15/2019
Number of Days to Update: 35

Source: SWRCB
Telephone: 916-341-5851
Last EDR Contact: 12/11/2018
Next Scheduled EDR Contact: 03/25/2019
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: 07/06/2016
Date Data Arrived at EDR: 07/12/2016
Date Made Active in Reports: 09/19/2016
Number of Days to Update: 69

Source: California Environmental Protection Agency
Telephone: 916-327-5092
Last EDR Contact: 03/18/2019
Next Scheduled EDR Contact: 07/01/2019
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: 04/12/2018
Date Data Arrived at EDR: 05/18/2018
Date Made Active in Reports: 07/20/2018
Number of Days to Update: 63

Source: EPA Region 10
Telephone: 206-553-2857
Last EDR Contact: 03/07/2019
Next Scheduled EDR Contact: 05/06/2019
Data Release Frequency: Varies

INDIAN UST R9: Underground Storage Tanks on Indian Land
The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 9 (Arizona, California, Hawaii, Nevada, the Pacific Islands, and Tribal Nations).

Date of Government Version: 04/10/2018
Date Data Arrived at EDR: 05/18/2018
Date Made Active in Reports: 07/20/2018
Number of Days to Update: 63

Source: EPA Region 9
Telephone: 415-972-3368
Last EDR Contact: 03/07/2019
Next Scheduled EDR Contact: 05/06/2019
Data Release Frequency: Varies

INDIAN UST R8: Underground Storage Tanks on Indian Land
The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 8 (Colorado, Montana, North Dakota, South Dakota, Utah, Wyoming and 27 Tribal Nations).

Date of Government Version: 04/25/2018
Date Data Arrived at EDR: 05/18/2018
Date Made Active in Reports: 07/20/2018
Number of Days to Update: 63

Source: EPA Region 8
Telephone: 303-312-6137
Last EDR Contact: 03/07/2019
Next Scheduled EDR Contact: 05/06/2019
Data Release Frequency: Varies

INDIAN UST R7: Underground Storage Tanks on Indian Land
The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 7 (Iowa, Kansas, Missouri, Nebraska, and 9 Tribal Nations).

Date of Government Version: 04/24/2018
Date Data Arrived at EDR: 05/18/2018
Date Made Active in Reports: 07/20/2018
Number of Days to Update: 63

Source: EPA Region 7
Telephone: 913-551-7003
Last EDR Contact: 03/07/2019
Next Scheduled EDR Contact: 05/06/2019
Data Release Frequency: Varies

INDIAN UST R6: Underground Storage Tanks on Indian Land
The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 6 (Louisiana, Arkansas, Oklahoma, New Mexico, Texas and 65 Tribes).

Date of Government Version: 04/01/2018
Date Data Arrived at EDR: 05/18/2018
Date Made Active in Reports: 07/20/2018
Number of Days to Update: 63

Source: EPA Region 6
Telephone: 214-665-7591
Last EDR Contact: 03/07/2019
Next Scheduled EDR Contact: 05/06/2019
Data Release Frequency: Varies

INDIAN UST R1: Underground Storage Tanks on Indian Land
The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 1 (Connecticut, Maine, Massachusetts, New Hampshire, Rhode Island, Vermont and ten Tribal Nations).

Date of Government Version: 04/13/2018
Date Data Arrived at EDR: 05/18/2018
Date Made Active in Reports: 07/20/2018
Number of Days to Update: 63

Source: EPA, Region 1
Telephone: 617-918-1313
Last EDR Contact: 03/07/2019
Next Scheduled EDR Contact: 05/06/2019
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: 05/08/2018
Date Data Arrived at EDR: 05/18/2018
Date Made Active in Reports: 07/20/2018
Number of Days to Update: 63

Source: EPA Region 4
Telephone: 404-562-9424
Last EDR Contact: 03/05/2019
Next Scheduled EDR Contact: 05/06/2019
Data Release Frequency: Varies

INDIAN UST R5: Underground Storage Tanks on Indian Land
The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 5 (Michigan, Minnesota and Wisconsin and Tribal Nations).

Date of Government Version: 04/12/2018
Date Data Arrived at EDR: 05/18/2018
Date Made Active in Reports: 07/20/2018
Number of Days to Update: 63

Source: EPA Region 5
Telephone: 312-886-6136
Last EDR Contact: 03/07/2019
Next Scheduled EDR Contact: 05/06/2019
Data Release Frequency: Varies

State and tribal voluntary cleanup sites

INDIAN VCP R1: Voluntary Cleanup Priority Listing
A listing of voluntary cleanup priority sites located on Indian Land located in Region 1.

Date of Government Version: 07/27/2015
Date Data Arrived at EDR: 09/29/2015
Date Made Active in Reports: 02/18/2016
Number of Days to Update: 142

Source: EPA, Region 1
Telephone: 617-918-1102
Last EDR Contact: 03/25/2019
Next Scheduled EDR Contact: 07/08/2019
Data Release Frequency: Varies

VCP: Voluntary Cleanup Program Properties
Contains low threat level properties with either confirmed or unconfirmed releases and the project proponents have request that DTSC oversee investigation and/or cleanup activities and have agreed to provide coverage for DTSC's costs.

Date of Government Version: 01/28/2019
Date Data Arrived at EDR: 01/29/2019
Date Made Active in Reports: 03/05/2019
Number of Days to Update: 35

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 01/29/2019
Next Scheduled EDR Contact: 05/11/2019
Data Release Frequency: Quarterly

INDIAN VCP R7: Voluntary Cleanup Priority Lisitng
A listing of voluntary cleanup priority sites located on Indian Land located in Region 7.

Date of Government Version: 03/20/2008
Date Data Arrived at EDR: 04/22/2008
Date Made Active in Reports: 05/19/2008
Number of Days to Update: 27

Source: EPA, Region 7
Telephone: 913-551-7365
Last EDR Contact: 04/20/2009
Next Scheduled EDR Contact: 07/20/2009
Data Release Frequency: Varies

State and tribal Brownfields sites

BROWNFIELDS: Considered Brownfieds Sites Listing
A listing of sites the SWRCB considers to be Brownfields since these are sites have come to them through the MOA Process.

Date of Government Version: 12/20/2018
Date Data Arrived at EDR: 12/21/2018
Date Made Active in Reports: 02/28/2019
Number of Days to Update: 69

Source: State Water Resources Control Board
Telephone: 916-323-7905
Last EDR Contact: 03/26/2019
Next Scheduled EDR Contact: 07/08/2019
Data Release Frequency: Quarterly

ADDITIONAL ENVIRONMENTAL RECORDS

Local Brownfield lists

US BROWNFIELDS: A Listing of Brownfields Sites
Brownfields are real property, the expansion, redevelopment, or reuse of which may be complicated by the presence or potential presence of a hazardous substance, pollutant, or contaminant. Cleaning up and reinvesting in these properties takes development pressures off of undeveloped, open land, and both improves and protects the environment. Assessment, Cleanup and Redevelopment Exchange System (ACRES) stores information reported by EPA Brownfields grant recipients on brownfields properties assessed or cleaned up with grant funding as well as information on Targeted Brownfields Assessments performed by EPA Regions. A listing of ACRES Brownfield sites is obtained from Cleanups in My Community. Cleanups in My Community provides information on Brownfields properties for which information is reported back to EPA, as well as areas served by Brownfields grant programs.

Date of Government Version: 12/17/2018
Date Data Arrived at EDR: 12/18/2018
Date Made Active in Reports: 01/11/2019
Number of Days to Update: 24

Source: Environmental Protection Agency
Telephone: 202-566-2777
Last EDR Contact: 03/19/2019
Next Scheduled EDR Contact: 07/01/2019
Data Release Frequency: Semi-Annually

Local Lists of Landfill / Solid Waste Disposal Sites

WMUDS/SWAT: Waste Management Unit Database
Waste Management Unit Database System. WMUDS is used by the State Water Resources Control Board staff and the Regional Water Quality Control Boards for program tracking and inventory of waste management units. WMUDS is composed of the following databases: Facility Information, Scheduled Inspections Information, Waste Management Unit Information, SWAT Program Information, SWAT Report Summary Information, SWAT Report Summary Data, Chapter 15 (formerly Subchapter 15) Information, Chapter 15 Monitoring Parameters, TPCA Program Information, RCRA Program Information, Closure Information, and Interested Parties Information.

Date of Government Version: 04/01/2000
Date Data Arrived at EDR: 04/10/2000
Date Made Active in Reports: 05/10/2000
Number of Days to Update: 30

Source: State Water Resources Control Board
Telephone: 916-227-4448
Last EDR Contact: 01/28/2019
Next Scheduled EDR Contact: 05/11/2019
Data Release Frequency: No Update Planned

SWRCY: Recycler Database
A listing of recycling facilities in California.

Date of Government Version: 12/10/2018
Date Data Arrived at EDR: 12/12/2018
Date Made Active in Reports: 01/15/2019
Number of Days to Update: 34

Source: Department of Conservation
Telephone: 916-323-3836
Last EDR Contact: 03/13/2019
Next Scheduled EDR Contact: 06/24/2019
Data Release Frequency: Quarterly

HAULERS: Registered Waste Tire Haulers Listing
A listing of registered waste tire haulers.

Date of Government Version: 02/09/2019
Date Data Arrived at EDR: 02/12/2019
Date Made Active in Reports: 03/27/2019
Number of Days to Update: 43

Source: Integrated Waste Management Board
Telephone: 916-341-6422
Last EDR Contact: 03/26/2019
Next Scheduled EDR Contact: 05/27/2019
Data Release Frequency: Varies

INDIAN ODI: Report on the Status of Open Dumps on Indian Lands
Location of open dumps on Indian land.

Date of Government Version: 12/31/1998
Date Data Arrived at EDR: 12/03/2007
Date Made Active in Reports: 01/24/2008
Number of Days to Update: 52

Source: Environmental Protection Agency
Telephone: 703-308-8245
Last EDR Contact: 01/29/2019
Next Scheduled EDR Contact: 05/13/2019
Data Release Frequency: Varies

ODI: Open Dump Inventory
An open dump is defined as a disposal facility that does not comply with one or more of the Part 257 or Part 258 Subtitle D Criteria.

Date of Government Version: 06/30/1985
Date Data Arrived at EDR: 08/09/2004
Date Made Active in Reports: 09/17/2004
Number of Days to Update: 39

Source: Environmental Protection Agency
Telephone: 800-424-9346
Last EDR Contact: 06/09/2004
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

DEBRIS REGION 9: Torres Martinez Reservation Illegal Dump Site Locations
A listing of illegal dump sites location on the Torres Martinez Indian Reservation located in eastern Riverside County and northern Imperial County, California.

Date of Government Version: 01/12/2009
Date Data Arrived at EDR: 05/07/2009
Date Made Active in Reports: 09/21/2009
Number of Days to Update: 137

Source: EPA, Region 9
Telephone: 415-947-4219
Last EDR Contact: 01/17/2019
Next Scheduled EDR Contact: 05/06/2019
Data Release Frequency: No Update Planned

IHS OPEN DUMPS: Open Dumps on Indian Land
A listing of all open dumps located on Indian Land in the United States.

Date of Government Version: 04/01/2014
Date Data Arrived at EDR: 08/06/2014
Date Made Active in Reports: 01/29/2015
Number of Days to Update: 176

Source: Department of Health & Human Serivces, Indian Health Service
Telephone: 301-443-1452
Last EDR Contact: 02/01/2019
Next Scheduled EDR Contact: 05/13/2019
Data Release Frequency: Varies

Local Lists of Hazardous waste / Contaminated Sites

US HIST CDL: National Clandestine Laboratory Register

A listing of clandestine drug lab locations that have been removed from the DEAs National Clandestine Laboratory Register.

Date of Government Version: 09/21/2018
Date Data Arrived at EDR: 09/21/2018
Date Made Active in Reports: 11/09/2018
Number of Days to Update: 49

Source: Drug Enforcement Administration
Telephone: 202-307-1000
Last EDR Contact: 02/21/2019
Next Scheduled EDR Contact: 06/10/2019
Data Release Frequency: No Update Planned

HIST CAL-SITES: Calsites Database

The Calsites database contains potential or confirmed hazardous substance release properties. In 1996, California EPA reevaluated and significantly reduced the number of sites in the Calsites database. No longer updated by the state agency. It has been replaced by ENVIROSTOR.

Date of Government Version: 08/08/2005
Date Data Arrived at EDR: 08/03/2006
Date Made Active in Reports: 08/24/2006
Number of Days to Update: 21

Source: Department of Toxic Substance Control
Telephone: 916-323-3400
Last EDR Contact: 02/23/2009
Next Scheduled EDR Contact: 05/25/2009
Data Release Frequency: No Update Planned

SCH: School Property Evaluation Program

This category contains proposed and existing school sites that are being evaluated by DTSC for possible hazardous materials contamination. In some cases, these properties may be listed in the CalSites category depending on the level of threat to public health and safety or the environment they pose.

Date of Government Version: 01/28/2019
Date Data Arrived at EDR: 01/29/2019
Date Made Active in Reports: 03/05/2019
Number of Days to Update: 35

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 01/29/2019
Next Scheduled EDR Contact: 05/11/2019
Data Release Frequency: Quarterly

CDL: Clandestine Drug Labs

A listing of drug lab locations. Listing of a location in this database does not indicate that any illegal drug lab materials were or were not present there, and does not constitute a determination that the location either requires or does not require additional cleanup work.

Date of Government Version: 12/31/2017
Date Data Arrived at EDR: 06/12/2018
Date Made Active in Reports: 08/06/2018
Number of Days to Update: 55

Source: Department of Toxic Substances Control
Telephone: 916-255-6504
Last EDR Contact: 04/08/2019
Next Scheduled EDR Contact: 07/22/2019
Data Release Frequency: Varies

CERS HAZ WASTE: CERS HAZ WASTE

List of sites in the California Environmental Protection Agency (CalEPA) Regulated Site Portal which fall under the Hazardous Chemical Management, Hazardous Waste Onsite Treatment, Household Hazardous Waste Collection, Hazardous Waste Generator, and RCRA LQ HW Generator programs.

Date of Government Version: 10/22/2018
Date Data Arrived at EDR: 10/23/2018
Date Made Active in Reports: 11/30/2018
Number of Days to Update: 38

Source: CalEPA
Telephone: 916-323-2514
Last EDR Contact: 04/11/2019
Next Scheduled EDR Contact: 05/06/2019
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
Date Data Arrived at EDR: 08/30/1995
Date Made Active in Reports: 09/26/1995
Number of Days to Update: 27

Source: State Water Resources Control Board
Telephone: 916-227-4364
Last EDR Contact: 01/26/2009
Next Scheduled EDR Contact: 04/27/2009
Data Release Frequency: No Update Planned

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: 09/21/2018
Date Data Arrived at EDR: 09/21/2018
Date Made Active in Reports: 11/09/2018
Number of Days to Update: 49

Source: Drug Enforcement Administration
Telephone: 202-307-1000
Last EDR Contact: 02/21/2019
Next Scheduled EDR Contact: 06/10/2019
Data Release Frequency: Quarterly

Local Lists of Registered Storage Tanks

SWEEPS UST: SWEEPS UST Listing

Statewide Environmental Evaluation and Planning System. This underground storage tank listing was updated and maintained by a company contacted by the SWRCB in the early 1990's. The listing is no longer updated or maintained. The local agency is the contact for more information on a site on the SWEEPS list.

Date of Government Version: 06/01/1994
Date Data Arrived at EDR: 07/07/2005
Date Made Active in Reports: 08/11/2005
Number of Days to Update: 35

Source: State Water Resources Control Board
Telephone: N/A
Last EDR Contact: 06/03/2005
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

UST MENDOCINO: Mendocino County UST Database

A listing of underground storage tank locations in Mendocino County.

Date of Government Version: 12/04/2018
Date Data Arrived at EDR: 12/06/2018
Date Made Active in Reports: 12/14/2018
Number of Days to Update: 8

Source: Department of Public Health
Telephone: 707-463-4466
Last EDR Contact: 02/21/2019
Next Scheduled EDR Contact: 06/10/2019
Data Release Frequency: Annually

HIST UST: Hazardous Substance Storage Container Database

The Hazardous Substance Storage Container Database is a historical listing of UST sites. Refer to local/county source for current data.

Date of Government Version: 10/15/1990
Date Data Arrived at EDR: 01/25/1991
Date Made Active in Reports: 02/12/1991
Number of Days to Update: 18

Source: State Water Resources Control Board
Telephone: 916-341-5851
Last EDR Contact: 07/26/2001
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

SAN FRANCISCO AST: Aboveground Storage Tank Site Listing

Aboveground storage tank sites

Date of Government Version: 09/11/2018
Date Data Arrived at EDR: 09/12/2018
Date Made Active in Reports: 10/11/2018
Number of Days to Update: 29

Source: San Francisco County Department of Public Health
Telephone: 415-252-3896
Last EDR Contact: 01/31/2019
Next Scheduled EDR Contact: 05/20/2019
Data Release Frequency: Varies

CA FID UST: Facility Inventory Database

The Facility Inventory Database (FID) contains a historical listing of active and inactive underground storage tank locations from the State Water Resource Control Board. Refer to local/county source for current data.

Date of Government Version: 10/31/1994
Date Data Arrived at EDR: 09/05/1995
Date Made Active in Reports: 09/29/1995
Number of Days to Update: 24

Source: California Environmental Protection Agency
Telephone: 916-341-5851
Last EDR Contact: 12/28/1998
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

CERS TANKS: California Environmental Reporting System (CERS) Tanks

List of sites in the California Environmental Protection Agency (CalEPA) Regulated Site Portal which fall under the Aboveground Petroleum Storage and Underground Storage Tank regulatory programs.

Date of Government Version: 10/22/2018
Date Data Arrived at EDR: 10/23/2018
Date Made Active in Reports: 11/30/2018
Number of Days to Update: 38

Source: California Environmental Protection Agency
Telephone: 916-323-2514
Last EDR Contact: 04/11/2019
Next Scheduled EDR Contact: 05/06/2019
Data Release Frequency: Quarterly

Local Land Records

LIENS: Environmental Liens Listing

A listing of property locations with environmental liens for California where DTSC is a lien holder.

Date of Government Version: 02/28/2019
Date Data Arrived at EDR: 03/01/2019
Date Made Active in Reports: 04/02/2019
Number of Days to Update: 32

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 02/27/2019
Next Scheduled EDR Contact: 06/17/2019
Data Release Frequency: Varies

LIENS 2: CERCLA Lien Information

A Federal CERCLA ('Superfund') lien can exist by operation of law at any site or property at which EPA has spent Superfund monies. These monies are spent to investigate and address releases and threatened releases of contamination. CERCLIS provides information as to the identity of these sites and properties.

Date of Government Version: 03/11/2019
Date Data Arrived at EDR: 03/14/2019
Date Made Active in Reports: 03/21/2019
Number of Days to Update: 7

Source: Environmental Protection Agency
Telephone: 202-564-6023
Last EDR Contact: 03/14/2019
Next Scheduled EDR Contact: 05/06/2019
Data Release Frequency: Semi-Annually

DEED: Deed Restriction Listing

Site Mitigation and Brownfields Reuse Program Facility Sites with Deed Restrictions & Hazardous Waste Management Program Facility Sites with Deed / Land Use Restriction. The DTSC Site Mitigation and Brownfields Reuse Program (SMBRP) list includes sites cleaned up under the program's oversight and generally does not include current or former hazardous waste facilities that required a hazardous waste facility permit. The list represents deed restrictions that are active. Some sites have multiple deed restrictions. The DTSC Hazardous Waste Management Program (HWMP) has developed a list of current or former hazardous waste facilities that have a recorded land use restriction at the local county recorder's office. The land use restrictions on this list were required by the DTSC HWMP as a result of the presence of hazardous substances that remain on site after the facility (or part of the facility) has been closed or cleaned up. The types of land use restriction include deed notice, deed restriction, or a land use restriction that binds current and future owners.

Date of Government Version: 03/04/2019
Date Data Arrived at EDR: 03/05/2019
Date Made Active in Reports: 04/01/2019
Number of Days to Update: 27

Source: DTSC and SWRCB
Telephone: 916-323-3400
Last EDR Contact: 03/05/2019
Next Scheduled EDR Contact: 06/17/2019
Data Release Frequency: Semi-Annually

Records of Emergency Release Reports

HMIRS: Hazardous Materials Information Reporting System
Hazardous Materials Incident Report System. HMIRS contains hazardous material spill incidents reported to DOT.

Date of Government Version: 02/08/2019
Date Data Arrived at EDR: 02/08/2019
Date Made Active in Reports: 03/21/2019
Number of Days to Update: 41

Source: U.S. Department of Transportation
Telephone: 202-366-4555
Last EDR Contact: 03/26/2019
Next Scheduled EDR Contact: 07/08/2019
Data Release Frequency: Quarterly

CHMIRS: California Hazardous Material Incident Report System
California Hazardous Material Incident Reporting System. CHMIRS contains information on reported hazardous material incidents (accidental releases or spills).

Date of Government Version: 10/24/2018
Date Data Arrived at EDR: 01/24/2019
Date Made Active in Reports: 03/05/2019
Number of Days to Update: 40

Source: Office of Emergency Services
Telephone: 916-845-8400
Last EDR Contact: 01/24/2019
Next Scheduled EDR Contact: 05/06/2019
Data Release Frequency: Semi-Annually

LDS: Land Disposal Sites Listing (GEOTRACKER)
Land Disposal sites (Landfills) included in GeoTracker. GeoTracker is the Water Boards data management system for sites that impact, or have the potential to impact, water quality in California, with emphasis on groundwater.

Date of Government Version: 12/10/2018
Date Data Arrived at EDR: 12/11/2018
Date Made Active in Reports: 01/15/2019
Number of Days to Update: 35

Source: State Water Qualilty Control Board
Telephone: 866-480-1028
Last EDR Contact: 12/12/2018
Next Scheduled EDR Contact: 03/25/2019
Data Release Frequency: Quarterly

MCS: Military Cleanup Sites Listing (GEOTRACKER)
Military sites (consisting of: Military UST sites; Military Privatized sites; and Military Cleanup sites [formerly known as DoD non UST]) included in GeoTracker. GeoTracker is the Water Boards data management system for sites that impact, or have the potential to impact, water quality in California, with emphasis on groundwater.

Date of Government Version: 12/10/2018
Date Data Arrived at EDR: 12/11/2018
Date Made Active in Reports: 01/15/2019
Number of Days to Update: 35

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 12/12/2018
Next Scheduled EDR Contact: 03/25/2019
Data Release Frequency: Quarterly

SPILLS 90: SPILLS90 data from FirstSearch
Spills 90 includes those spill and release records available exclusively from FirstSearch databases. Typically, they may include chemical, oil and/or hazardous substance spills recorded after 1990. Duplicate records that are already included in EDR incident and release records are not included in Spills 90.

Date of Government Version: 06/06/2012
Date Data Arrived at EDR: 01/03/2013
Date Made Active in Reports: 02/22/2013
Number of Days to Update: 50

Source: FirstSearch
Telephone: N/A
Last EDR Contact: 01/03/2013
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

Other Ascertainable Records

RCRA NonGen / NLR: RCRA - Non Generators / No Longer Regulated
RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Non-Generators do not presently generate hazardous waste.

Date of Government Version: 03/01/2018
Date Data Arrived at EDR: 03/28/2018
Date Made Active in Reports: 06/22/2018
Number of Days to Update: 86

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 03/27/2019
Next Scheduled EDR Contact: 07/08/2019
Data Release Frequency: Quarterly

FUDS: Formerly Used Defense Sites

The listing includes locations of Formerly Used Defense Sites properties where the US Army Corps of Engineers is actively working or will take necessary cleanup actions.

Date of Government Version: 01/31/2015
Date Data Arrived at EDR: 07/08/2015
Date Made Active in Reports: 10/13/2015
Number of Days to Update: 97

Source: U.S. Army Corps of Engineers
Telephone: 202-528-4285
Last EDR Contact: 04/03/2019
Next Scheduled EDR Contact: 06/03/2019
Data Release Frequency: Varies

DOD: Department of Defense Sites

This data set consists of federally owned or administered lands, administered by the Department of Defense, that have any area equal to or greater than 640 acres of the United States, Puerto Rico, and the U.S. Virgin Islands.

Date of Government Version: 12/31/2005
Date Data Arrived at EDR: 11/10/2006
Date Made Active in Reports: 01/11/2007
Number of Days to Update: 62

Source: USGS
Telephone: 888-275-8747
Last EDR Contact: 04/12/2019
Next Scheduled EDR Contact: 07/22/2019
Data Release Frequency: Semi-Annually

FEDLAND: Federal and Indian Lands

Federally and Indian administrated lands of the United States. Lands included are administrated by: Army Corps of Engineers, Bureau of Reclamation, National Wild and Scenic River, National Wildlife Refuge, Public Domain Land, Wilderness, Wilderness Study Area, Wildlife Management Area, Bureau of Indian Affairs, Bureau of Land Management, Department of Justice, Forest Service, Fish and Wildlife Service, National Park Service.

Date of Government Version: 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: 04/12/2019
Next Scheduled EDR Contact: 07/22/2019
Data Release Frequency: N/A

SCRD DRYCLEANERS: State Coalition for Remediation of Drycleaners Listing

The State Coalition for Remediation of Drycleaners was established in 1998, with support from the U.S. EPA Office of Superfund Remediation and Technology Innovation. It is comprised of representatives of states with established drycleaner remediation programs. Currently the member states are Alabama, Connecticut, Florida, Illinois, Kansas, Minnesota, Missouri, North Carolina, Oregon, South Carolina, Tennessee, Texas, and Wisconsin.

Date of Government Version: 01/01/2017
Date Data Arrived at EDR: 02/03/2017
Date Made Active in Reports: 04/07/2017
Number of Days to Update: 63

Source: Environmental Protection Agency
Telephone: 615-532-8599
Last EDR Contact: 02/15/2019
Next Scheduled EDR Contact: 05/27/2019
Data Release Frequency: Varies

US FIN ASSUR: Financial Assurance Information

All owners and operators of facilities that treat, store, or dispose of hazardous waste are required to provide proof that they will have sufficient funds to pay for the clean up, closure, and post-closure care of their facilities.

Date of Government Version: 01/31/2019
Date Data Arrived at EDR: 02/04/2019
Date Made Active in Reports: 03/08/2019
Number of Days to Update: 32

Source: Environmental Protection Agency
Telephone: 202-566-1917
Last EDR Contact: 03/26/2019
Next Scheduled EDR Contact: 07/08/2019
Data Release Frequency: Quarterly

EPA WATCH LIST: EPA WATCH LIST

EPA maintains a "Watch List" to facilitate dialogue between EPA, state and local environmental agencies on enforcement matters relating to facilities with alleged violations identified as either significant or high priority. Being on the Watch List does not mean that the facility has actually violated the law only that an investigation by EPA or a state or local environmental agency has led those organizations to allege that an unproven violation has in fact occurred. Being on the Watch List does not represent a higher level of concern regarding the alleged violations that were detected, but instead indicates cases requiring additional dialogue between EPA, state and local agencies - primarily because of the length of time the alleged violation has gone unaddressed or unresolved.

Date of Government Version: 08/30/2013
Date Data Arrived at EDR: 03/21/2014
Date Made Active in Reports: 06/17/2014
Number of Days to Update: 88

Source: Environmental Protection Agency
Telephone: 617-520-3000
Last EDR Contact: 02/08/2019
Next Scheduled EDR Contact: 05/20/2019
Data Release Frequency: Quarterly

2020 COR ACTION: 2020 Corrective Action Program List

The EPA has set ambitious goals for the RCRA Corrective Action program by creating the 2020 Corrective Action Universe. This RCRA cleanup baseline includes facilities expected to need corrective action. The 2020 universe contains a wide variety of sites. Some properties are heavily contaminated while others were contaminated but have since been cleaned up. Still others have not been fully investigated yet, and may require little or no remediation. Inclusion in the 2020 Universe does not necessarily imply failure on the part of a facility to meet its RCRA obligations.

Date of Government Version: 09/30/2017
Date Data Arrived at EDR: 05/08/2018
Date Made Active in Reports: 07/20/2018
Number of Days to Update: 73

Source: Environmental Protection Agency
Telephone: 703-308-4044
Last EDR Contact: 02/08/2019
Next Scheduled EDR Contact: 05/20/2019
Data Release Frequency: Varies

TSCA: Toxic Substances Control Act

Toxic Substances Control Act. TSCA identifies manufacturers and importers of chemical substances included on the TSCA Chemical Substance Inventory list. It includes data on the production volume of these substances by plant site.

Date of Government Version: 12/31/2016
Date Data Arrived at EDR: 06/21/2017
Date Made Active in Reports: 01/05/2018
Number of Days to Update: 198

Source: EPA
Telephone: 202-260-5521
Last EDR Contact: 03/22/2019
Next Scheduled EDR Contact: 07/01/2019
Data Release Frequency: Every 4 Years

TRIS: Toxic Chemical Release Inventory System

Toxic Release Inventory System. TRIS identifies facilities which release toxic chemicals to the air, water and land in reportable quantities under SARA Title III Section 313.

Date of Government Version: 12/31/2016
Date Data Arrived at EDR: 01/10/2018
Date Made Active in Reports: 01/12/2018
Number of Days to Update: 2

Source: EPA
Telephone: 202-566-0250
Last EDR Contact: 02/20/2019
Next Scheduled EDR Contact: 06/03/2019
Data Release Frequency: Annually

SSTS: Section 7 Tracking Systems

Section 7 of the Federal Insecticide, Fungicide and Rodenticide Act, as amended (92 Stat. 829) requires all registered pesticide-producing establishments to submit a report to the Environmental Protection Agency by March 1st each year. Each establishment must report the types and amounts of pesticides, active ingredients and devices being produced, and those having been produced and sold or distributed in the past year.

Date of Government Version: 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: 03/25/2019
Next Scheduled EDR Contact: 05/06/2019
Data Release Frequency: Annually

ROD: Records Of Decision

Record of Decision. ROD documents mandate a permanent remedy at an NPL (Superfund) site containing technical and health information to aid in the cleanup.

Date of Government Version: 03/11/2019
Date Data Arrived at EDR: 03/14/2019
Date Made Active in Reports: 04/01/2019
Number of Days to Update: 18

Source: EPA
Telephone: 703-416-0223
Last EDR Contact: 03/14/2019
Next Scheduled EDR Contact: 06/17/2019
Data Release Frequency: Annually

RMP: Risk Management Plans

When Congress passed the Clean Air Act Amendments of 1990, it required EPA to publish regulations and guidance for chemical accident prevention at facilities using extremely hazardous substances. The Risk Management Program Rule (RMP Rule) was written to implement Section 112(r) of these amendments. The rule, which built upon existing industry codes and standards, requires companies of all sizes that use certain flammable and toxic substances to develop a Risk Management Program, which includes a(n): Hazard assessment that details the potential effects of an accidental release, an accident history of the last five years, and an evaluation of worst-case and alternative accidental releases; Prevention program that includes safety precautions and maintenance, monitoring, and employee training measures; and Emergency response program that spells out emergency health care, employee training measures and procedures for informing the public and response agencies (e.g the fire department) should an accident occur.

Date of Government Version: 02/01/2019
Date Data Arrived at EDR: 02/14/2019
Date Made Active in Reports: 03/21/2019
Number of Days to Update: 35

Source: Environmental Protection Agency
Telephone: 202-564-8600
Last EDR Contact: 01/22/2019
Next Scheduled EDR Contact: 05/06/2019
Data Release Frequency: Varies

RAATS: RCRA Administrative Action Tracking System

RCRA Administration Action Tracking System. RAATS contains records based on enforcement actions issued under RCRA pertaining to major violators and includes administrative and civil actions brought by the EPA. For administration actions after September 30, 1995, data entry in the RAATS database was discontinued. EPA will retain a copy of the database for historical records. It was necessary to terminate RAATS because a decrease in agency resources made it impossible to continue to update the information contained in the database.

Date of Government Version: 04/17/1995
Date Data Arrived at EDR: 07/03/1995
Date Made Active in Reports: 08/07/1995
Number of Days to Update: 35

Source: EPA
Telephone: 202-564-4104
Last EDR Contact: 06/02/2008
Next Scheduled EDR Contact: 09/01/2008
Data Release Frequency: No Update Planned

PRP: Potentially Responsible Parties

A listing of verified Potentially Responsible Parties

Date of Government Version: 08/13/2018
Date Data Arrived at EDR: 10/04/2018
Date Made Active in Reports: 11/09/2018
Number of Days to Update: 36

Source: EPA
Telephone: 202-564-6023
Last EDR Contact: 03/14/2019
Next Scheduled EDR Contact: 05/20/2019
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: 09/14/2018
Date Data Arrived at EDR: 10/11/2018
Date Made Active in Reports: 12/07/2018
Number of Days to Update: 57

Source: EPA
Telephone: 202-566-0500
Last EDR Contact: 04/10/2019
Next Scheduled EDR Contact: 07/22/2019
Data Release Frequency: Annually

ICIS: Integrated Compliance Information System
The Integrated Compliance Information System (ICIS) supports the information needs of the national enforcement and compliance program as well as the unique needs of the National Pollutant Discharge Elimination System (NPDES) program.

Date of Government Version: 11/18/2016
Date Data Arrived at EDR: 11/23/2016
Date Made Active in Reports: 02/10/2017
Number of Days to Update: 79

Source: Environmental Protection Agency
Telephone: 202-564-2501
Last EDR Contact: 04/08/2019
Next Scheduled EDR Contact: 07/22/2019
Data Release Frequency: Quarterly

FTTS: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)
FTTS tracks administrative cases and pesticide enforcement actions and compliance activities related to FIFRA, TSCA and EPCRA (Emergency Planning and Community Right-to-Know Act). To maintain currency, EDR contacts the Agency on a quarterly basis.

Date of Government Version: 04/09/2009
Date Data Arrived at EDR: 04/16/2009
Date Made Active in Reports: 05/11/2009
Number of Days to Update: 25

Source: EPA/Office of Prevention, Pesticides and Toxic Substances
Telephone: 202-566-1667
Last EDR Contact: 08/18/2017
Next Scheduled EDR Contact: 12/04/2017
Data Release Frequency: 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: 08/18/2017
Next Scheduled EDR Contact: 12/04/2017
Data Release Frequency: Quarterly

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: 08/30/2016
Date Data Arrived at EDR: 09/08/2016
Date Made Active in Reports: 10/21/2016
Number of Days to Update: 43

Source: Nuclear Regulatory Commission
Telephone: 301-415-7169
Last EDR Contact: 01/22/2019
Next Scheduled EDR Contact: 05/06/2019
Data Release Frequency: Quarterly

COAL ASH DOE: Steam-Electric Plant Operation Data
A listing of power plants that store ash in surface ponds.

Date of Government Version: 12/31/2005
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: 03/07/2019
Next Scheduled EDR Contact: 06/17/2019
Data Release Frequency: Varies

COAL ASH EPA: Coal Combustion Residues Surface Impoundments List
A listing of coal combustion residues surface impoundments with high hazard potential ratings.

Date of Government Version: 07/01/2014
Date Data Arrived at EDR: 09/10/2014
Date Made Active in Reports: 10/20/2014
Number of Days to Update: 40

Source: Environmental Protection Agency
Telephone: N/A
Last EDR Contact: 03/05/2019
Next Scheduled EDR Contact: 06/17/2019
Data Release Frequency: Varies

PCB TRANSFORMER: PCB Transformer Registration Database
The database of PCB transformer registrations that includes all PCB registration submittals.

Date of Government Version: 05/24/2017
Date Data Arrived at EDR: 11/30/2017
Date Made Active in Reports: 12/15/2017
Number of Days to Update: 15

Source: Environmental Protection Agency
Telephone: 202-566-0517
Last EDR Contact: 01/25/2019
Next Scheduled EDR Contact: 05/06/2019
Data Release Frequency: Varies

RADINFO: Radiation Information Database
The Radiation Information Database (RADINFO) contains information about facilities that are regulated by U.S. Environmental Protection Agency (EPA) regulations for radiation and radioactivity.

Date of Government Version: 01/02/2019
Date Data Arrived at EDR: 01/03/2019
Date Made Active in Reports: 03/15/2019
Number of Days to Update: 71

Source: Environmental Protection Agency
Telephone: 202-343-9775
Last EDR Contact: 04/02/2019
Next Scheduled EDR Contact: 07/15/2019
Data Release Frequency: Quarterly

HIST FTTS: FIFRA/TSCA Tracking System Administrative Case Listing
A complete administrative case listing from the FIFRA/TSCA Tracking System (FTTS) for all ten EPA regions. The information was obtained from the National Compliance Database (NCDB). NCDB supports the implementation of FIFRA (Federal Insecticide, Fungicide, and Rodenticide Act) and TSCA (Toxic Substances Control Act). Some EPA regions are now closing out records. Because of that, and the fact that some EPA regions are not providing EPA Headquarters with updated records, it was decided to create a HIST FTTS database. It included records that may not be included in the newer FTTS database updates. This database is no longer updated.

Date of Government Version: 10/19/2006
Date Data Arrived at EDR: 03/01/2007
Date Made Active in Reports: 04/10/2007
Number of Days to Update: 40

Source: Environmental Protection Agency
Telephone: 202-564-2501
Last EDR Contact: 12/17/2007
Next Scheduled EDR Contact: 03/17/2008
Data Release Frequency: No Update Planned

HIST FTTS INSP: FIFRA/TSCA Tracking System Inspection & Enforcement Case Listing
A complete inspection and enforcement case listing from the FIFRA/TSCA Tracking System (FTTS) for all ten EPA regions. The information was obtained from the National Compliance Database (NCDB). NCDB supports the implementation of FIFRA (Federal Insecticide, Fungicide, and Rodenticide Act) and TSCA (Toxic Substances Control Act). Some EPA regions are now closing out records. Because of that, and the fact that some EPA regions are not providing EPA Headquarters with updated records, it was decided to create a HIST FTTS database. It included records that may not be included in the newer FTTS database updates. This database is no longer updated.

Date of Government Version: 10/19/2006
Date Data Arrived at EDR: 03/01/2007
Date Made Active in Reports: 04/10/2007
Number of Days to Update: 40

Source: Environmental Protection Agency
Telephone: 202-564-2501
Last EDR Contact: 12/17/2008
Next Scheduled EDR Contact: 03/17/2008
Data Release Frequency: No Update Planned

DOT OPS: Incident and Accident Data
Department of Transporation, Office of Pipeline Safety Incident and Accident data.

Date of Government Version: 12/03/2018
Date Data Arrived at EDR: 01/29/2019
Date Made Active in Reports: 03/21/2019
Number of Days to Update: 51

Source: Department of Transporation, Office of Pipeline Safety
Telephone: 202-366-4595
Last EDR Contact: 01/29/2019
Next Scheduled EDR Contact: 05/11/2019
Data Release Frequency: Quarterly

CONSENT: Superfund (CERCLA) Consent Decrees
Major legal settlements that establish responsibility and standards for cleanup at NPL (Superfund) sites. Released periodically by United States District Courts after settlement by parties to litigation matters.

Date of Government Version: 12/31/2018
Date Data Arrived at EDR: 02/11/2019
Date Made Active in Reports: 03/21/2019
Number of Days to Update: 38

Source: Department of Justice, Consent Decree Library
Telephone: Varies
Last EDR Contact: 04/05/2019
Next Scheduled EDR Contact: 07/22/2019
Data Release Frequency: Varies

BRS: Biennial Reporting System

The Biennial Reporting System is a national system administered by the EPA that collects data on the generation and management of hazardous waste. BRS captures detailed data from two groups: Large Quantity Generators (LQG) and Treatment, Storage, and Disposal Facilities.

Date of Government Version: 12/31/2015
Date Data Arrived at EDR: 02/22/2017
Date Made Active in Reports: 09/28/2017
Number of Days to Update: 218

Source: EPA/NTIS
Telephone: 800-424-9346
Last EDR Contact: 02/13/2019
Next Scheduled EDR Contact: 06/03/2019
Data Release Frequency: Biennially

INDIAN RESERV: Indian Reservations

This map layer portrays Indian administered lands of the United States that have any area equal to or greater than 640 acres.

Date of Government Version: 12/31/2014
Date Data Arrived at EDR: 07/14/2015
Date Made Active in Reports: 01/10/2017
Number of Days to Update: 546

Source: USGS
Telephone: 202-208-3710
Last EDR Contact: 04/11/2019
Next Scheduled EDR Contact: 07/22/2019
Data Release Frequency: Semi-Annually

FUSRAP: Formerly Utilized Sites Remedial Action Program

DOE established the Formerly Utilized Sites Remedial Action Program (FUSRAP) in 1974 to remediate sites where radioactive contamination remained from Manhattan Project and early U.S. Atomic Energy Commission (AEC) operations.

Date of Government Version: 08/08/2017
Date Data Arrived at EDR: 09/11/2018
Date Made Active in Reports: 09/14/2018
Number of Days to Update: 3

Source: Department of Energy
Telephone: 202-586-3559
Last EDR Contact: 01/31/2019
Next Scheduled EDR Contact: 05/20/2019
Data Release Frequency: Varies

UMTRA: Uranium Mill Tailings Sites

Uranium ore was mined by private companies for federal government use in national defense programs. When the mills shut down, large piles of the sand-like material (mill tailings) remain after uranium has been extracted from the ore. Levels of human exposure to radioactive materials from the piles are low; however, in some cases tailings were used as construction materials before the potential health hazards of the tailings were recognized.

Date of Government Version: 06/23/2017
Date Data Arrived at EDR: 10/11/2017
Date Made Active in Reports: 11/03/2017
Number of Days to Update: 23

Source: Department of Energy
Telephone: 505-845-0011
Last EDR Contact: 02/22/2019
Next Scheduled EDR Contact: 06/03/2019
Data Release Frequency: Varies

LEAD SMELTER 1: Lead Smelter Sites

A listing of former lead smelter site locations.

Date of Government Version: 03/11/2019
Date Data Arrived at EDR: 03/14/2019
Date Made Active in Reports: 03/21/2019
Number of Days to Update: 7

Source: Environmental Protection Agency
Telephone: 703-603-8787
Last EDR Contact: 04/05/2019
Next Scheduled EDR Contact: 07/15/2019
Data Release Frequency: Varies

LEAD SMELTER 2: Lead Smelter Sites

A list of several hundred sites in the U.S. where secondary lead smelting was done from 1931and 1964. These sites may pose a threat to public health through ingestion or inhalation of contaminated soil or dust

Date of Government Version: 04/05/2001
Date Data Arrived at EDR: 10/27/2010
Date Made Active in Reports: 12/02/2010
Number of Days to Update: 36

Source: American Journal of Public Health
Telephone: 703-305-6451
Last EDR Contact: 12/02/2009
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

US AIRS (AFS): Aerometric Information Retrieval System Facility Subsystem (AFS)

The database is a sub-system of Aerometric Information Retrieval System (AIRS). AFS contains compliance data on air pollution point sources regulated by the U.S. EPA and/or state and local air regulatory agencies. This information comes from source reports by various stationary sources of air pollution, such as electric power plants, steel mills, factories, and universities, and provides information about the air pollutants they produce. Action, air program, air program pollutant, and general level plant data. It is used to track emissions and compliance data from industrial plants.

Date of Government Version: 10/12/2016
Date Data Arrived at EDR: 10/26/2016
Date Made Active in Reports: 02/03/2017
Number of Days to Update: 100

Source: EPA
Telephone: 202-564-2496
Last EDR Contact: 09/26/2017
Next Scheduled EDR Contact: 01/08/2018
Data Release Frequency: Annually

US AIRS MINOR: Air Facility System Data

A listing of minor source facilities.

Date of Government Version: 10/12/2016
Date Data Arrived at EDR: 10/26/2016
Date Made Active in Reports: 02/03/2017
Number of Days to Update: 100

Source: EPA
Telephone: 202-564-2496
Last EDR Contact: 09/26/2017
Next Scheduled EDR Contact: 01/08/2018
Data Release Frequency: Annually

US MINES: Mines Master Index File

Contains all mine identification numbers issued for mines active or opened since 1971. The data also includes violation information.

Date of Government Version: 11/27/2018
Date Data Arrived at EDR: 02/27/2019
Date Made Active in Reports: 04/01/2019
Number of Days to Update: 33

Source: Department of Labor, Mine Safety and Health Administration
Telephone: 303-231-5959
Last EDR Contact: 02/27/2019
Next Scheduled EDR Contact: 06/10/2019
Data Release Frequency: Semi-Annually

US MINES 2: Ferrous and Nonferrous Metal Mines Database Listing

This map layer includes ferrous (ferrous metal mines are facilities that extract ferrous metals, such as iron ore or molybdenum) and nonferrous (Nonferrous metal mines are facilities that extract nonferrous metals, such as gold, silver, copper, zinc, and lead) metal mines in the United States.

Date of Government Version: 12/05/2005
Date Data Arrived at EDR: 02/29/2008
Date Made Active in Reports: 04/18/2008
Number of Days to Update: 49

Source: USGS
Telephone: 703-648-7709
Last EDR Contact: 03/01/2019
Next Scheduled EDR Contact: 06/10/2019
Data Release Frequency: Varies

US MINES 3: Active Mines & Mineral Plants Database Listing

Active Mines and Mineral Processing Plant operations for commodities monitored by the Minerals Information Team of the USGS.

Date of Government Version: 04/14/2011
Date Data Arrived at EDR: 06/08/2011
Date Made Active in Reports: 09/13/2011
Number of Days to Update: 97

Source: USGS
Telephone: 703-648-7709
Last EDR Contact: 03/01/2019
Next Scheduled EDR Contact: 06/10/2019
Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

ABANDONED MINES: Abandoned Mines

An inventory of land and water impacted by past mining (primarily coal mining) is maintained by OSMRE to provide information needed to implement the Surface Mining Control and Reclamation Act of 1977 (SMCRA). The inventory contains information on the location, type, and extent of AML impacts, as well as, information on the cost associated with the reclamation of those problems. The inventory is based upon field surveys by State, Tribal, and OSMRE program officials. It is dynamic to the extent that it is modified as new problems are identified and existing problems are reclaimed.

Date of Government Version: 09/10/2018
Date Data Arrived at EDR: 09/11/2018
Date Made Active in Reports: 09/14/2018
Number of Days to Update: 3

Source: Department of Interior
Telephone: 202-208-2609
Last EDR Contact: 03/21/2019
Next Scheduled EDR Contact: 06/24/2019
Data Release Frequency: Quarterly

FINDS: Facility Index System/Facility Registry System

Facility Index System. FINDS contains both facility information and 'pointers' to other sources that contain more detail. EDR includes the following FINDS databases in this report: PCS (Permit Compliance System), AIRS (Aerometric Information Retrieval System), DOCKET (Enforcement Docket used to manage and track information on civil judicial enforcement cases for all environmental statutes), FURS (Federal Underground Injection Control), C-DOCKET (Criminal Docket System used to track criminal enforcement actions for all environmental statutes), FFIS (Federal Facilities Information System), STATE (State Environmental Laws and Statutes), and PADS (PCB Activity Data System).

Date of Government Version: 02/15/2019
Date Data Arrived at EDR: 03/05/2019
Date Made Active in Reports: 03/15/2019
Number of Days to Update: 10

Source: EPA
Telephone: (415) 947-8000
Last EDR Contact: 03/05/2019
Next Scheduled EDR Contact: 06/17/2019
Data Release Frequency: Quarterly

UXO: Unexploded Ordnance Sites

A listing of unexploded ordnance site locations

Date of Government Version: 12/31/2017
Date Data Arrived at EDR: 01/17/2019
Date Made Active in Reports: 04/01/2019
Number of Days to Update: 74

Source: Department of Defense
Telephone: 703-704-1564
Last EDR Contact: 01/14/2019
Next Scheduled EDR Contact: 04/29/2019
Data Release Frequency: Varies

DOCKET HWC: Hazardous Waste Compliance Docket Listing

A complete list of the Federal Agency Hazardous Waste Compliance Docket Facilities.

Date of Government Version: 05/31/2018
Date Data Arrived at EDR: 07/26/2018
Date Made Active in Reports: 10/05/2018
Number of Days to Update: 71

Source: Environmental Protection Agency
Telephone: 202-564-0527
Last EDR Contact: 03/01/2019
Next Scheduled EDR Contact: 06/10/2019
Data Release Frequency: Varies

ECHO: Enforcement & Compliance History Information

ECHO provides integrated compliance and enforcement information for about 800,000 regulated facilities nationwide.

Date of Government Version: 03/03/2019
Date Data Arrived at EDR: 03/05/2019
Date Made Active in Reports: 04/01/2019
Number of Days to Update: 27

Source: Environmental Protection Agency
Telephone: 202-564-2280
Last EDR Contact: 04/09/2019
Next Scheduled EDR Contact: 07/22/2019
Data Release Frequency: Quarterly

FUELS PROGRAM: EPA Fuels Program Registered Listing

This listing includes facilities that are registered under the Part 80 (Code of Federal Regulations) EPA Fuels Programs. All companies now are required to submit new and updated registrations.

Date of Government Version: 02/19/2019
Date Data Arrived at EDR: 02/21/2019
Date Made Active in Reports: 04/01/2019
Number of Days to Update: 39

Source: EPA
Telephone: 800-385-6164
Last EDR Contact: 02/21/2019
Next Scheduled EDR Contact: 06/03/2019
Data Release Frequency: Quarterly

CA BOND EXP. PLAN: Bond Expenditure Plan

Department of Health Services developed a site-specific expenditure plan as the basis for an appropriation of Hazardous Substance Cleanup Bond Act funds. It is not updated.

Date of Government Version: 01/01/1989
Date Data Arrived at EDR: 07/27/1994
Date Made Active in Reports: 08/02/1994
Number of Days to Update: 6

Source: Department of Health Services
Telephone: 916-255-2118
Last EDR Contact: 05/31/1994
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

CORTESE: "Cortese" Hazardous Waste & Substances Sites List

The sites for the list are designated by the State Water Resource Control Board (LUST), the Integrated Waste Board (SWF/LS), and the Department of Toxic Substances Control (Cal-Sites).

Date of Government Version: 12/20/2018
Date Data Arrived at EDR: 12/21/2018
Date Made Active in Reports: 02/28/2019
Number of Days to Update: 69

Source: CAL EPA/Office of Emergency Information
Telephone: 916-323-3400
Last EDR Contact: 03/26/2019
Next Scheduled EDR Contact: 07/08/2019
Data Release Frequency: Quarterly

CUPA LIVERMORE-PLEASANTON: CUPA Facility Listing

list of facilities associated with the various CUPA programs in Livermore-Pleasanton

Date of Government Version: 01/23/2019
Date Data Arrived at EDR: 02/26/2019
Date Made Active in Reports: 04/01/2019
Number of Days to Update: 34

Source: Livermore-Pleasanton Fire Department
Telephone: 925-454-2361
Last EDR Contact: 02/26/2019
Next Scheduled EDR Contact: 05/27/2019
Data Release Frequency: Varies

CUPA SAN FRANCISCO CO: CUPA Facility Listing

Cupa facilities

Date of Government Version: 09/11/2018
Date Data Arrived at EDR: 09/12/2018
Date Made Active in Reports: 09/19/2018
Number of Days to Update: 7

Source: San Francisco County Department of Environmental Health
Telephone: 415-252-3896
Last EDR Contact: 01/31/2019
Next Scheduled EDR Contact: 05/20/2019
Data Release Frequency: Varies

DRYCLEAN AVAQMD: Antelope Valley Air Quality Management District Drycleaner Listing

A listing of dry cleaners in the Antelope Valley Air Quality Management District.

Date of Government Version: 02/27/2019
Date Data Arrived at EDR: 02/28/2019
Date Made Active in Reports: 04/01/2019
Number of Days to Update: 32

Source: Antelope Valley Air Quality Management District
Telephone: 661-723-8070
Last EDR Contact: 02/27/2019
Next Scheduled EDR Contact: 06/17/2019
Data Release Frequency: Varies

DRYCLEANERS: Cleaner Facilities

A list of drycleaner related facilities that have EPA ID numbers. These are facilities with certain SIC codes: power laundries, family and commercial; garment pressing and cleaner's agents; linen supply; coin-operated laundries and cleaning; drycleaning plants, except rugs; carpet and upholster cleaning; industrial launderers; laundry and garment services.

Date of Government Version: 12/13/2018
Date Data Arrived at EDR: 01/17/2019
Date Made Active in Reports: 03/05/2019
Number of Days to Update: 47

Source: Department of Toxic Substance Control
Telephone: 916-327-4498
Last EDR Contact: 02/27/2019
Next Scheduled EDR Contact: 06/17/2019
Data Release Frequency: Annually

DRYCLEAN SOUTH COAST: South Coast Air Quality Management District Drycleaner Listing
A listing of dry cleaners in the South Coast Air Quality Management District

Date of Government Version: 03/19/2019
Date Data Arrived at EDR: 03/22/2019
Date Made Active in Reports: 04/09/2019
Number of Days to Update: 18

Source: South Coast Air Quality Management District
Telephone: 909-396-3211
Last EDR Contact: 03/22/2019
Next Scheduled EDR Contact: 06/10/2019
Data Release Frequency: Varies

EMI: Emissions Inventory Data
Toxics and criteria pollutant emissions data collected by the ARB and local air pollution agencies.

Date of Government Version: 12/31/2017
Date Data Arrived at EDR: 06/20/2018
Date Made Active in Reports: 08/06/2018
Number of Days to Update: 47

Source: California Air Resources Board
Telephone: 916-322-2990
Last EDR Contact: 03/22/2019
Next Scheduled EDR Contact: 07/01/2019
Data Release Frequency: Varies

ENF: Enforcement Action Listing
A listing of Water Board Enforcement Actions. Formal is everything except Oral/Verbal Communication, Notice of Violation, Expedited Payment Letter, and Staff Enforcement Letter.

Date of Government Version: 11/01/2018
Date Data Arrived at EDR: 11/02/2018
Date Made Active in Reports: 12/13/2018
Number of Days to Update: 41

Source: State Water Resoruces Control Board
Telephone: 916-445-9379
Last EDR Contact: 03/18/2019
Next Scheduled EDR Contact: 05/06/2019
Data Release Frequency: Varies

Financial Assurance 1: Financial Assurance Information Listing
Financial Assurance information

Date of Government Version: 01/10/2019
Date Data Arrived at EDR: 01/23/2019
Date Made Active in Reports: 03/05/2019
Number of Days to Update: 41

Source: Department of Toxic Substances Control
Telephone: 916-255-3628
Last EDR Contact: 01/17/2019
Next Scheduled EDR Contact: 05/06/2019
Data Release Frequency: Varies

Financial Assurance 2: Financial Assurance Information Listing
A listing of financial assurance information for solid waste facilities. Financial assurance is intended to ensure that resources are available to pay for the cost of closure, post-closure care, and corrective measures if the owner or operator of a regulated facility is unable or unwilling to pay.

Date of Government Version: 02/15/2019
Date Data Arrived at EDR: 02/19/2019
Date Made Active in Reports: 03/05/2019
Number of Days to Update: 14

Source: California Integrated Waste Management Board
Telephone: 916-341-6066
Last EDR Contact: 02/11/2019
Next Scheduled EDR Contact: 05/27/2019
Data Release Frequency: Varies

HAZNET: Facility and Manifest Data
Facility and Manifest Data. The data is extracted from the copies of hazardous waste manifests received each year by the DTSC. The annual volume of manifests is typically 700,000 - 1,000,000 annually, representing approximately 350,000 - 500,000 shipments. Data are from the manifests submitted without correction, and therefore many contain some invalid values for data elements such as generator ID, TSD ID, waste category, and disposal method. This database begins with calendar year 1993.

Date of Government Version: 12/31/2017
Date Data Arrived at EDR: 10/10/2018
Date Made Active in Reports: 11/16/2018
Number of Days to Update: 37

Source: California Environmental Protection Agency
Telephone: 916-255-1136
Last EDR Contact: 04/09/2019
Next Scheduled EDR Contact: 07/22/2019
Data Release Frequency: Annually

ICE: ICE
Contains data pertaining to the Permitted Facilities with Inspections / Enforcements sites tracked in Envirostor.

Date of Government Version: 02/19/2019
Date Data Arrived at EDR: 02/20/2019
Date Made Active in Reports: 03/05/2019
Number of Days to Update: 13

Source: Department of Toxic Subsances Control
Telephone: 877-786-9427
Last EDR Contact: 02/20/2019
Next Scheduled EDR Contact: 06/03/2019
Data Release Frequency: Quarterly

HIST CORTESE: Hazardous Waste & Substance Site List
The sites for the list are designated by the State Water Resource Control Board [LUST], the Integrated Waste Board [SWF/LS], and the Department of Toxic Substances Control [CALSITES]. This listing is no longer updated by the state agency.

Date of Government Version: 04/01/2001
Date Data Arrived at EDR: 01/22/2009
Date Made Active in Reports: 04/08/2009
Number of Days to Update: 76

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 01/22/2009
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

HWP: EnviroStor Permitted Facilities Listing
Detailed information on permitted hazardous waste facilities and corrective action ("cleanups") tracked in EnviroStor.

Date of Government Version: 02/19/2019
Date Data Arrived at EDR: 02/20/2019
Date Made Active in Reports: 03/05/2019
Number of Days to Update: 13

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 02/20/2019
Next Scheduled EDR Contact: 06/03/2019
Data Release Frequency: Quarterly

HWT: Registered Hazardous Waste Transporter Database
A listing of hazardous waste transporters. In California, unless specifically exempted, it is unlawful for any person to transport hazardous wastes unless the person holds a valid registration issued by DTSC. A hazardous waste transporter registration is valid for one year and is assigned a unique registration number.

Date of Government Version: 01/07/2019
Date Data Arrived at EDR: 01/08/2019
Date Made Active in Reports: 03/05/2019
Number of Days to Update: 56

Source: Department of Toxic Substances Control
Telephone: 916-440-7145
Last EDR Contact: 04/09/2019
Next Scheduled EDR Contact: 07/22/2019
Data Release Frequency: Quarterly

MINES: Mines Site Location Listing
A listing of mine site locations from the Office of Mine Reclamation.

Date of Government Version: 12/10/2018
Date Data Arrived at EDR: 12/12/2018
Date Made Active in Reports: 01/15/2019
Number of Days to Update: 34

Source: Department of Conservation
Telephone: 916-322-1080
Last EDR Contact: 12/12/2018
Next Scheduled EDR Contact: 03/25/2019
Data Release Frequency: Quarterly

MWMP: Medical Waste Management Program Listing
The Medical Waste Management Program (MWMP) ensures the proper handling and disposal of medical waste by permitting and inspecting medical waste Offsite Treatment Facilities (PDF) and Transfer Stations (PDF) throughout the state. MWMP also oversees all Medical Waste Transporters.

Date of Government Version: 02/20/2019
Date Data Arrived at EDR: 03/05/2019
Date Made Active in Reports: 04/02/2019
Number of Days to Update: 28

Source: Department of Public Health
Telephone: 916-558-1784
Last EDR Contact: 03/05/2019
Next Scheduled EDR Contact: 06/17/2019
Data Release Frequency: Varies

NPDES: NPDES Permits Listing
A listing of NPDES permits, including stormwater.

Date of Government Version: 02/11/2019
Date Data Arrived at EDR: 02/12/2019
Date Made Active in Reports: 03/07/2019
Number of Days to Update: 23

Source: State Water Resources Control Board
Telephone: 916-445-9379
Last EDR Contact: 02/12/2019
Next Scheduled EDR Contact: 05/27/2019
Data Release Frequency: Quarterly

PEST LIC: Pesticide Regulation Licenses Listing
A listing of licenses and certificates issued by the Department of Pesticide Regulation. The DPR issues licenses and/or certificates to: Persons and businesses that apply or sell pesticides; Pest control dealers and brokers; Persons who advise on agricultural pesticide applications.

Date of Government Version: 03/04/2019
Date Data Arrived at EDR: 03/05/2019
Date Made Active in Reports: 04/05/2019
Number of Days to Update: 31

Source: Department of Pesticide Regulation
Telephone: 916-445-4038
Last EDR Contact: 03/05/2019
Next Scheduled EDR Contact: 06/17/2019
Data Release Frequency: Quarterly

PROC: Certified Processors Database
A listing of certified processors.

Date of Government Version: 12/10/2018
Date Data Arrived at EDR: 12/12/2018
Date Made Active in Reports: 01/15/2019
Number of Days to Update: 34

Source: Department of Conservation
Telephone: 916-323-3836
Last EDR Contact: 03/13/2019
Next Scheduled EDR Contact: 06/24/2019
Data Release Frequency: Quarterly

NOTIFY 65: Proposition 65 Records
Listings of all Proposition 65 incidents reported to counties by the State Water Resources Control Board and the Regional Water Quality Control Board. This database is no longer updated by the reporting agency.

Date of Government Version: 09/19/2018
Date Data Arrived at EDR: 09/20/2018
Date Made Active in Reports: 10/19/2018
Number of Days to Update: 29

Source: State Water Resources Control Board
Telephone: 916-445-3846
Last EDR Contact: 03/18/2019
Next Scheduled EDR Contact: 07/01/2019
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: 04/27/2018
Date Data Arrived at EDR: 06/13/2018
Date Made Active in Reports: 07/17/2018
Number of Days to Update: 34

Source: Deaprtment of Conservation
Telephone: 916-445-2408
Last EDR Contact: 03/13/2019
Next Scheduled EDR Contact: 06/24/2019
Data Release Frequency: Varies

UIC GEO: Underground Injection Control Sites (GEOTRACKER)
Underground control injection sites

Date of Government Version: 12/10/2018
Date Data Arrived at EDR: 12/11/2018
Date Made Active in Reports: 01/15/2019
Number of Days to Update: 35

Source: State Water Resource Control Board
Telephone: 866-480-1028
Last EDR Contact: 12/12/2018
Next Scheduled EDR Contact: 03/25/2019
Data Release Frequency: Varies

WASTEWATER PITS: Oil Wastewater Pits Listing

Water officials discovered that oil producers have been dumping chemical-laden wastewater into hundreds of unlined pits that are operating without proper permits. Inspections completed by the Central Valley Regional Water Quality Control Board revealed the existence of previously unidentified waste sites. The water boards review found that more than one-third of the region's active disposal pits are operating without permission.

Date of Government Version: 05/08/2018
Date Data Arrived at EDR: 07/11/2018
Date Made Active in Reports: 09/13/2018
Number of Days to Update: 64

Source: RWQCB, Central Valley Region
Telephone: 559-445-5577
Last EDR Contact: 04/12/2019
Next Scheduled EDR Contact: 07/22/2019
Data Release Frequency: Varies

WDS: Waste Discharge System

Sites which have been issued waste discharge requirements.

Date of Government Version: 06/19/2007
Date Data Arrived at EDR: 06/20/2007
Date Made Active in Reports: 06/29/2007
Number of Days to Update: 9

Source: State Water Resources Control Board
Telephone: 916-341-5227
Last EDR Contact: 02/13/2019
Next Scheduled EDR Contact: 06/03/2019
Data Release Frequency: Quarterly

MILITARY PRIV SITES: Military Privatized Sites (GEOTRACKER)

Military privatized sites

Date of Government Version: 12/10/2018
Date Data Arrived at EDR: 12/11/2018
Date Made Active in Reports: 01/15/2019
Number of Days to Update: 35

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 12/12/2018
Next Scheduled EDR Contact: 03/25/2019
Data Release Frequency: Varies

PROJECT: Project Sites (GEOTRACKER)

Projects sites

Date of Government Version: 12/10/2018
Date Data Arrived at EDR: 12/11/2018
Date Made Active in Reports: 01/15/2019
Number of Days to Update: 35

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 12/12/2018
Next Scheduled EDR Contact: 03/25/2019
Data Release Frequency: Varies

WDR: Waste Discharge Requirements Listing

In general, the Waste Discharge Requirements (WDRs) Program (sometimes also referred to as the "Non Chapter 15 (Non 15) Program") regulates point discharges that are exempt pursuant to Subsection 20090 of Title 27 and not subject to the Federal Water Pollution Control Act. Exemptions from Title 27 may be granted for nine categories of discharges (e.g., sewage, wastewater, etc.) that meet, and continue to meet, the preconditions listed for each specific exemption. The scope of the WDRs Program also includes the discharge of wastes classified as inert, pursuant to section 20230 of Title 27.

Date of Government Version: 12/10/2018
Date Data Arrived at EDR: 12/12/2018
Date Made Active in Reports: 01/18/2019
Number of Days to Update: 37

Source: State Water Resources Control Board
Telephone: 916-341-5810
Last EDR Contact: 03/13/2019
Next Scheduled EDR Contact: 06/24/2019
Data Release Frequency: Quarterly

CIWQS: California Integrated Water Quality System

The California Integrated Water Quality System (CIWQS) is a computer system used by the State and Regional Water Quality Control Boards to track information about places of environmental interest, manage permits and other orders, track inspections, and manage violations and enforcement activities.

Date of Government Version: 03/05/2019
Date Data Arrived at EDR: 03/05/2019
Date Made Active in Reports: 04/02/2019
Number of Days to Update: 28

Source: State Water Resources Control Board
Telephone: 866-794-4977
Last EDR Contact: 03/05/2019
Next Scheduled EDR Contact: 06/17/2019
Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

CERS: CalEPA Regulated Site Portal Data

The CalEPA Regulated Site Portal database combines data about environmentally regulated sites and facilities in California into a single database. It combines data from a variety of state and federal databases, and provides an overview of regulated activities across the spectrum of environmental programs for any given location in California. These activities include hazardous materials and waste, state and federal cleanups, impacted ground and surface waters, and toxic materials

Date of Government Version: 10/22/2018
Date Data Arrived at EDR: 10/23/2018
Date Made Active in Reports: 11/30/2018
Number of Days to Update: 38

Source: California Environmental Protection Agency
Telephone: 916-323-2514
Last EDR Contact: 04/11/2019
Next Scheduled EDR Contact: 05/06/2019
Data Release Frequency: Varies

NON-CASE INFO: Non-Case Information Sites (GEOTRACKER)

Non-Case Information sites

Date of Government Version: 12/10/2018
Date Data Arrived at EDR: 12/11/2018
Date Made Active in Reports: 01/15/2019
Number of Days to Update: 35

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 12/12/2018
Next Scheduled EDR Contact: 03/25/2019
Data Release Frequency: Varies

WIP: Well Investigation Program Case List

Well Investigation Program case in the San Gabriel and San Fernando Valley area.

Date of Government Version: 07/03/2009
Date Data Arrived at EDR: 07/21/2009
Date Made Active in Reports: 08/03/2009
Number of Days to Update: 13

Source: Los Angeles Water Quality Control Board
Telephone: 213-576-6726
Last EDR Contact: 03/25/2019
Next Scheduled EDR Contact: 07/08/2019
Data Release Frequency: Varies

OTHER OIL GAS: Other Oil & Gas Projects Sites (GEOTRACKER)

Other Oil & Gas Projects sites

Date of Government Version: 12/10/2018
Date Data Arrived at EDR: 12/11/2018
Date Made Active in Reports: 01/15/2019
Number of Days to Update: 35

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 12/12/2018
Next Scheduled EDR Contact: 03/25/2019
Data Release Frequency: Varies

PROD WATER PONDS: Produced Water Ponds Sites (GEOTRACKER)

Produced water ponds sites

Date of Government Version: 12/10/2018
Date Data Arrived at EDR: 12/11/2018
Date Made Active in Reports: 01/15/2019
Number of Days to Update: 35

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 12/12/2018
Next Scheduled EDR Contact: 03/25/2019
Data Release Frequency: Varies

SAMPLING POINT: Sampling Point ? Public Sites (GEOTRACKER)

Sampling point - public sites

Date of Government Version: 12/10/2018
Date Data Arrived at EDR: 12/11/2018
Date Made Active in Reports: 01/15/2019
Number of Days to Update: 35

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 12/12/2018
Next Scheduled EDR Contact: 03/25/2019
Data Release Frequency: Varies

WELL STIM PROJ: Well Stimulation Project (GEOTRACKER)

Includes areas of groundwater monitoring plans, a depiction of the monitoring network, and the facilities, boundaries, and subsurface characteristics of the oilfield and the features (oil and gas wells, produced water ponds, UIC wells, water supply wells, etc?) being monitored

Date of Government Version: 12/10/2018
Date Data Arrived at EDR: 12/11/2018
Date Made Active in Reports: 01/15/2019
Number of Days to Update: 35

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 12/12/2018
Next Scheduled EDR Contact: 03/25/2019
Data Release Frequency: Varies

EDR HIGH RISK HISTORICAL RECORDS

EDR Exclusive Records

EDR MGP: EDR Proprietary Manufactured Gas Plants

The EDR Proprietary Manufactured Gas Plant Database includes records of coal gas plants (manufactured gas plants) compiled by EDR's researchers. Manufactured gas sites were used in the United States from the 1800's to 1950's to produce a gas that could be distributed and used as fuel. These plants used whale oil, rosin, coal, or a mixture of coal, oil, and water that also produced a significant amount of waste. Many of the byproducts of the gas production, such as coal tar (oily waste containing volatile and non-volatile chemicals), sludges, oils and other compounds are potentially hazardous to human health and the environment. The byproduct from this process was frequently disposed of directly at the plant site and can remain or spread slowly, serving as a continuous source of soil and groundwater contamination.

Date of Government Version: N/A
Date Data Arrived at EDR: N/A
Date Made Active in Reports: N/A
Number of Days to Update: N/A

Source: EDR, Inc.
Telephone: N/A
Last EDR Contact: N/A
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

EDR Hist Auto: EDR Exclusive Historical Auto Stations

EDR has searched selected national collections of business directories and has collected listings of potential gas station/filling station/service station sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include gas station/filling station/service station establishments. The categories reviewed included, but were not limited to gas, gas station, gasoline station, filling station, auto, automobile repair, auto service station, service station, etc. This database falls within a category of information EDR classifies as "High Risk Historical Records", or HRHR. EDR's HRHR effort presents unique and sometimes proprietary data about past sites and operations that typically create environmental concerns, but may not show up in current government records searches.

Date of Government Version: N/A
Date Data Arrived at EDR: N/A
Date Made Active in Reports: N/A
Number of Days to Update: N/A

Source: EDR, Inc.
Telephone: N/A
Last EDR Contact: N/A
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

EDR Hist Cleaner: EDR Exclusive Historical Cleaners

EDR has searched selected national collections of business directories and has collected listings of potential dry cleaner sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include dry cleaning establishments. The categories reviewed included, but were not limited to dry cleaners, cleaners, laundry, laundromat, cleaning/laundry, wash & dry etc. This database falls within a category of information EDR classifies as "High Risk Historical Records", or HRHR. EDR's HRHR effort presents unique and sometimes proprietary data about past sites and operations that typically create environmental concerns, but may not show up in current government records searches.

Date of Government Version: N/A
Date Data Arrived at EDR: N/A
Date Made Active in Reports: N/A
Number of Days to Update: N/A

Source: EDR, Inc.
Telephone: N/A
Last EDR Contact: N/A
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

EDR RECOVERED GOVERNMENT ARCHIVES

Exclusive Recovered Govt. Archives

RGA LF: Recovered Government Archive Solid Waste Facilities List
The EDR Recovered Government Archive Landfill database provides a list of landfills derived from historical databases and includes many records that no longer appear in current government lists. Compiled from Records formerly available from the Department of Resources Recycling and Recovery in California.

Date of Government Version: N/A
Date Data Arrived at EDR: 07/01/2013
Date Made Active in Reports: 01/13/2014
Number of Days to Update: 196

Source: Department of Resources Recycling and Recovery
Telephone: N/A
Last EDR Contact: 06/01/2012
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

RGA LUST: Recovered Government Archive Leaking Underground Storage Tank
The EDR Recovered Government Archive Leaking Underground Storage Tank database provides a list of LUST incidents derived from historical databases and includes many records that no longer appear in current government lists. Compiled from Records formerly available from the State Water Resources Control Board in California.

Date of Government Version: N/A
Date Data Arrived at EDR: 07/01/2013
Date Made Active in Reports: 12/30/2013
Number of Days to Update: 182

Source: State Water Resources Control Board
Telephone: N/A
Last EDR Contact: 06/01/2012
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

COUNTY RECORDS

ALAMEDA COUNTY:

CS ALAMEDA: Contaminated Sites
A listing of contaminated sites overseen by the Toxic Release Program (oil and groundwater contamination from chemical releases and spills) and the Leaking Underground Storage Tank Program (soil and ground water contamination from leaking petroleum USTs).

Date of Government Version: 01/09/2019
Date Data Arrived at EDR: 01/11/2019
Date Made Active in Reports: 03/05/2019
Number of Days to Update: 53

Source: Alameda County Environmental Health Services
Telephone: 510-567-6700
Last EDR Contact: 04/08/2019
Next Scheduled EDR Contact: 07/22/2019
Data Release Frequency: Semi-Annually

UST ALAMEDA: Underground Tanks
Underground storage tank sites located in Alameda county.

Date of Government Version: 01/07/2019
Date Data Arrived at EDR: 01/08/2019
Date Made Active in Reports: 03/08/2019
Number of Days to Update: 59

Source: Alameda County Environmental Health Services
Telephone: 510-567-6700
Last EDR Contact: 04/08/2019
Next Scheduled EDR Contact: 04/24/2047
Data Release Frequency: Semi-Annually

AMADOR COUNTY:

CUPA AMADOR: CUPA Facility List
Cupa Facility List

Date of Government Version: 01/07/2019
Date Data Arrived at EDR: 01/08/2019
Date Made Active in Reports: 03/07/2019
Number of Days to Update: 58

Source: Amador County Environmental Health
Telephone: 209-223-6439
Last EDR Contact: 02/27/2019
Next Scheduled EDR Contact: 06/17/2019
Data Release Frequency: Varies

BUTTE COUNTY:

CUPA BUTTE: CUPA Facility Listing
Cupa facility list.

Date of Government Version: 04/21/2017
Date Data Arrived at EDR: 04/25/2017
Date Made Active in Reports: 08/09/2017
Number of Days to Update: 106

Source: Public Health Department
Telephone: 530-538-7149
Last EDR Contact: 04/08/2019
Next Scheduled EDR Contact: 07/22/2019
Data Release Frequency: No Update Planned

CALVERAS COUNTY:

CUPA CALVERAS: CUPA Facility Listing
Cupa Facility Listing

Date of Government Version: 01/24/2019
Date Data Arrived at EDR: 01/25/2019
Date Made Active in Reports: 03/05/2019
Number of Days to Update: 39

Source: Calveras County Environmental Health
Telephone: 209-754-6399
Last EDR Contact: 03/25/2019
Next Scheduled EDR Contact: 07/08/2019
Data Release Frequency: Quarterly

COLUSA COUNTY:

CUPA COLUSA: CUPA Facility List
Cupa facility list.

Date of Government Version: 02/27/2019
Date Data Arrived at EDR: 02/28/2019
Date Made Active in Reports: 04/01/2019
Number of Days to Update: 32

Source: Health & Human Services
Telephone: 530-458-0396
Last EDR Contact: 02/27/2019
Next Scheduled EDR Contact: 05/20/2019
Data Release Frequency: Semi-Annually

CONTRA COSTA COUNTY:

SL CONTRA COSTA: Site List
List includes sites from the underground tank, hazardous waste generator and business plan/2185 programs.

Date of Government Version: 02/14/2019
Date Data Arrived at EDR: 02/19/2019
Date Made Active in Reports: 03/08/2019
Number of Days to Update: 17

Source: Contra Costa Health Services Department
Telephone: 925-646-2286
Last EDR Contact: 01/28/2019
Next Scheduled EDR Contact: 05/11/2019
Data Release Frequency: Semi-Annually

DEL NORTE COUNTY:

CUPA DEL NORTE: CUPA Facility List
Cupa Facility list

Date of Government Version: 01/16/2019
Date Data Arrived at EDR: 02/05/2019
Date Made Active in Reports: 03/05/2019
Number of Days to Update: 28

Source: Del Norte County Environmental Health Division
Telephone: 707-465-0426
Last EDR Contact: 01/28/2019
Next Scheduled EDR Contact: 05/11/2019
Data Release Frequency: Varies

EL DORADO COUNTY:

CUPA EL DORADO: CUPA Facility List
CUPA facility list.

Date of Government Version: 02/27/2019
Date Data Arrived at EDR: 02/28/2019
Date Made Active in Reports: 04/01/2019
Number of Days to Update: 32

Source: El Dorado County Environmental Management Department
Telephone: 530-621-6623
Last EDR Contact: 01/28/2019
Next Scheduled EDR Contact: 05/11/2019
Data Release Frequency: Varies

FRESNO COUNTY:

CUPA FRESNO: CUPA Resources List
Certified Unified Program Agency. CUPA's are responsible for implementing a unified hazardous materials and hazardous waste management regulatory program. The agency provides oversight of businesses that deal with hazardous materials, operate underground storage tanks or aboveground storage tanks.

Date of Government Version: 10/16/2018
Date Data Arrived at EDR: 10/18/2018
Date Made Active in Reports: 11/14/2018
Number of Days to Update: 27

Source: Dept. of Community Health
Telephone: 559-445-3271
Last EDR Contact: 03/29/2019
Next Scheduled EDR Contact: 07/15/2019
Data Release Frequency: Semi-Annually

GLENN COUNTY:

CUPA GLENN: CUPA Facility List
Cupa facility list

Date of Government Version: 01/22/2018
Date Data Arrived at EDR: 01/24/2018
Date Made Active in Reports: 03/14/2018
Number of Days to Update: 49

Source: Glenn County Air Pollution Control District
Telephone: 830-934-6500
Last EDR Contact: 01/17/2019
Next Scheduled EDR Contact: 05/06/2019
Data Release Frequency: Varies

HUMBOLDT COUNTY:

CUPA HUMBOLDT: CUPA Facility List
CUPA facility list.

Date of Government Version: 12/11/2018
Date Data Arrived at EDR: 12/13/2018
Date Made Active in Reports: 01/15/2019
Number of Days to Update: 33

Source: Humboldt County Environmental Health
Telephone: N/A
Last EDR Contact: 11/19/2018
Next Scheduled EDR Contact: 03/04/2019
Data Release Frequency: Semi-Annually

IMPERIAL COUNTY:

CUPA IMPERIAL: CUPA Facility List
Cupa facility list.

Date of Government Version: 01/18/2019
Date Data Arrived at EDR: 01/23/2019
Date Made Active in Reports: 03/05/2019
Number of Days to Update: 41

Source: San Diego Border Field Office
Telephone: 760-339-2777
Last EDR Contact: 01/17/2019
Next Scheduled EDR Contact: 05/06/2019
Data Release Frequency: Varies

INYO COUNTY:

CUPA INYO: CUPA Facility List
Cupa facility list.

Date of Government Version: 04/02/2018
Date Data Arrived at EDR: 04/03/2018
Date Made Active in Reports: 06/14/2018
Number of Days to Update: 72

Source: Inyo County Environmental Health Services
Telephone: 760-878-0238
Last EDR Contact: 02/13/2019
Next Scheduled EDR Contact: 06/03/2019
Data Release Frequency: Varies

KERN COUNTY:

UST KERN: Underground Storage Tank Sites & Tank Listing
Kern County Sites and Tanks Listing.

Date of Government Version: 01/28/2019
Date Data Arrived at EDR: 02/07/2019
Date Made Active in Reports: 03/08/2019
Number of Days to Update: 29

Source: Kern County Environment Health Services Department
Telephone: 661-862-8700
Last EDR Contact: 01/31/2019
Next Scheduled EDR Contact: 05/20/2019
Data Release Frequency: Quarterly

KINGS COUNTY:

CUPA KINGS: CUPA Facility List
A listing of sites included in the county's Certified Unified Program Agency database. California's Secretary for Environmental Protection established the unified hazardous materials and hazardous waste regulatory program as required by chapter 6.11 of the California Health and Safety Code. The Unified Program consolidates the administration, permits, inspections, and enforcement activities.

Date of Government Version: 02/14/2019
Date Data Arrived at EDR: 02/19/2019
Date Made Active in Reports: 03/05/2019
Number of Days to Update: 14

Source: Kings County Department of Public Health
Telephone: 559-584-1411
Last EDR Contact: 02/13/2019
Next Scheduled EDR Contact: 06/03/2019
Data Release Frequency: Varies

LAKE COUNTY:

CUPA LAKE: CUPA Facility List
Cupa facility list

Date of Government Version: 02/08/2019
Date Data Arrived at EDR: 02/12/2019
Date Made Active in Reports: 03/12/2019
Number of Days to Update: 28

Source: Lake County Environmental Health
Telephone: 707-263-1164
Last EDR Contact: 01/14/2019
Next Scheduled EDR Contact: 04/29/2019
Data Release Frequency: Varies

LASSEN COUNTY:

CUPA LASSEN: CUPA Facility List
Cupa facility list

Date of Government Version: 01/17/2019
Date Data Arrived at EDR: 01/18/2019
Date Made Active in Reports: 03/05/2019
Number of Days to Update: 46

Source: Lassen County Environmental Health
Telephone: 530-251-8528
Last EDR Contact: 01/17/2019
Next Scheduled EDR Contact: 05/06/2019
Data Release Frequency: Varies

LOS ANGELES COUNTY:

AOCONCERN: Key Areas of Concerns in Los Angeles County
San Gabriel Valley areas where VOC contamination is at or above the MCL as designated by region 9 EPA office. Date of Government Version: 3/30/2009 Exide Site area is a cleanup plan of lead-impacted soil surrounding the former Exide Facility as designated by the DTSC. Date of Government Version: 7/17/2017

Date of Government Version: 03/30/2009
Date Data Arrived at EDR: 03/31/2009
Date Made Active in Reports: 10/23/2009
Number of Days to Update: 206

Source: N/A
Telephone: N/A
Last EDR Contact: 03/18/2019
Next Scheduled EDR Contact: 07/01/2019
Data Release Frequency: No Update Planned

HMS LOS ANGELES: HMS: Street Number List
Industrial Waste and Underground Storage Tank Sites.

Date of Government Version: 12/19/2018
Date Data Arrived at EDR: 01/10/2019
Date Made Active in Reports: 03/07/2019
Number of Days to Update: 56

Source: Department of Public Works
Telephone: 626-458-3517
Last EDR Contact: 04/08/2019
Next Scheduled EDR Contact: 07/22/2019
Data Release Frequency: Semi-Annually

LF LOS ANGELES: List of Solid Waste Facilities
Solid Waste Facilities in Los Angeles County.

Date of Government Version: 01/14/2019
Date Data Arrived at EDR: 01/15/2019
Date Made Active in Reports: 03/07/2019
Number of Days to Update: 51

Source: La County Department of Public Works
Telephone: 818-458-5185
Last EDR Contact: 01/15/2019
Next Scheduled EDR Contact: 04/29/2019
Data Release Frequency: Varies

LF LOS ANGELES CITY: City of Los Angeles Landfills
Landfills owned and maintained by the City of Los Angeles.

Date of Government Version: 01/01/2019
Date Data Arrived at EDR: 01/15/2019
Date Made Active in Reports: 03/07/2019
Number of Days to Update: 51

Source: Engineering & Construction Division
Telephone: 213-473-7869
Last EDR Contact: 01/15/2019
Next Scheduled EDR Contact: 04/29/2019
Data Release Frequency: Varies

SITE MIT LOS ANGELES: Site Mitigation List
Industrial sites that have had some sort of spill or complaint.

Date of Government Version: 01/30/2019
Date Data Arrived at EDR: 02/01/2019
Date Made Active in Reports: 03/07/2019
Number of Days to Update: 34

Source: Community Health Services
Telephone: 323-890-7806
Last EDR Contact: 02/01/2019
Next Scheduled EDR Contact: 04/29/2019
Data Release Frequency: Annually

UST EL SEGUNDO: City of El Segundo Underground Storage Tank
Underground storage tank sites located in El Segundo city.

Date of Government Version: 01/21/2017
Date Data Arrived at EDR: 04/19/2017
Date Made Active in Reports: 05/10/2017
Number of Days to Update: 21

Source: City of El Segundo Fire Department
Telephone: 310-524-2236
Last EDR Contact: 01/14/2019
Next Scheduled EDR Contact: 04/29/2019
Data Release Frequency: Semi-Annually

UST LONG BEACH: City of Long Beach Underground Storage Tank
Underground storage tank sites located in the city of Long Beach.

Date of Government Version: 03/09/2017
Date Data Arrived at EDR: 03/10/2017
Date Made Active in Reports: 05/03/2017
Number of Days to Update: 54

Source: City of Long Beach Fire Department
Telephone: 562-570-2563
Last EDR Contact: 01/17/2019
Next Scheduled EDR Contact: 05/06/2019
Data Release Frequency: Annually

UST TORRANCE: City of Torrance Underground Storage Tank
Underground storage tank sites located in the city of Torrance.

Date of Government Version: 10/02/2018
Date Data Arrived at EDR: 10/05/2018
Date Made Active in Reports: 11/02/2018
Number of Days to Update: 28

Source: City of Torrance Fire Department
Telephone: 310-618-2973
Last EDR Contact: 01/17/2019
Next Scheduled EDR Contact: 05/06/2019
Data Release Frequency: Semi-Annually

MADERA COUNTY:

CUPA MADERA: CUPA Facility List
A listing of sites included in the county's Certified Unified Program Agency database. California's Secretary for Environmental Protection established the unified hazardous materials and hazardous waste regulatory program as required by chapter 6.11 of the California Health and Safety Code. The Unified Program consolidates the administration, permits, inspections, and enforcement activities.

Date of Government Version: 02/20/2019
Date Data Arrived at EDR: 02/22/2019
Date Made Active in Reports: 03/07/2019
Number of Days to Update: 13

Source: Madera County Environmental Health
Telephone: 559-675-7823
Last EDR Contact: 02/15/2019
Next Scheduled EDR Contact: 06/03/2019
Data Release Frequency: Varies

MARIN COUNTY:

UST MARIN: Underground Storage Tank Sites
Currently permitted USTs in Marin County.

Date of Government Version: 09/26/2018
Date Data Arrived at EDR: 10/04/2018
Date Made Active in Reports: 11/02/2018
Number of Days to Update: 29

Source: Public Works Department Waste Management
Telephone: 415-473-6647
Last EDR Contact: 03/29/2019
Next Scheduled EDR Contact: 07/15/2019
Data Release Frequency: Semi-Annually

MERCED COUNTY:

CUPA MERCED: CUPA Facility List
CUPA facility list.

Date of Government Version: 08/29/2018
Date Data Arrived at EDR: 08/31/2018
Date Made Active in Reports: 09/19/2018
Number of Days to Update: 19

Source: Merced County Environmental Health
Telephone: 209-381-1094
Last EDR Contact: 03/18/2019
Next Scheduled EDR Contact: 06/03/2019
Data Release Frequency: Varies

MONO COUNTY:

CUPA MONO: CUPA Facility List
CUPA Facility List

Date of Government Version: 02/21/2019
Date Data Arrived at EDR: 02/26/2019
Date Made Active in Reports: 04/01/2019
Number of Days to Update: 34

Source: Mono County Health Department
Telephone: 760-932-5580
Last EDR Contact: 02/21/2019
Next Scheduled EDR Contact: 06/10/2019
Data Release Frequency: Varies

MONTEREY COUNTY:

CUPA MONTEREY: CUPA Facility Listing
CUPA Program listing from the Environmental Health Division.

Date of Government Version: 02/05/2019
Date Data Arrived at EDR: 02/07/2019
Date Made Active in Reports: 03/05/2019
Number of Days to Update: 26

Source: Monterey County Health Department
Telephone: 831-796-1297
Last EDR Contact: 04/01/2019
Next Scheduled EDR Contact: 07/15/2019
Data Release Frequency: Varies

NAPA COUNTY:

LUST NAPA: Sites With Reported Contamination
A listing of leaking underground storage tank sites located in Napa county.

Date of Government Version: 01/09/2017
Date Data Arrived at EDR: 01/11/2017
Date Made Active in Reports: 03/02/2017
Number of Days to Update: 50

Source: Napa County Department of Environmental Management
Telephone: 707-253-4269
Last EDR Contact: 02/21/2019
Next Scheduled EDR Contact: 06/10/2019
Data Release Frequency: No Update Planned

UST NAPA: Closed and Operating Underground Storage Tank Sites
Underground storage tank sites located in Napa county.

Date of Government Version: 02/21/2019
Date Data Arrived at EDR: 02/22/2019
Date Made Active in Reports: 03/08/2019
Number of Days to Update: 14

Source: Napa County Department of Environmental Management
Telephone: 707-253-4269
Last EDR Contact: 02/21/2019
Next Scheduled EDR Contact: 06/10/2019
Data Release Frequency: No Update Planned

NEVADA COUNTY:

CUPA NEVADA: CUPA Facility List
CUPA facility list.

Date of Government Version: 01/25/2019
Date Data Arrived at EDR: 01/29/2019
Date Made Active in Reports: 03/05/2019
Number of Days to Update: 35

Source: Community Development Agency
Telephone: 530-265-1467
Last EDR Contact: 01/28/2019
Next Scheduled EDR Contact: 05/11/2019
Data Release Frequency: Varies

ORANGE COUNTY:

IND_SITE ORANGE: List of Industrial Site Cleanups
Petroleum and non-petroleum spills.

Date of Government Version: 01/02/2019
Date Data Arrived at EDR: 02/07/2019
Date Made Active in Reports: 03/05/2019
Number of Days to Update: 26

Source: Health Care Agency
Telephone: 714-834-3446
Last EDR Contact: 02/04/2019
Next Scheduled EDR Contact: 05/20/2019
Data Release Frequency: Annually

LUST ORANGE: List of Underground Storage Tank Cleanups
Orange County Underground Storage Tank Cleanups (LUST).

Date of Government Version: 01/02/2019
Date Data Arrived at EDR: 02/08/2019
Date Made Active in Reports: 03/06/2019
Number of Days to Update: 26

Source: Health Care Agency
Telephone: 714-834-3446
Last EDR Contact: 02/04/2019
Next Scheduled EDR Contact: 05/20/2019
Data Release Frequency: Quarterly

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

UST ORANGE: List of Underground Storage Tank Facilities
Orange County Underground Storage Tank Facilities (UST).

Date of Government Version: 01/02/2019
Date Data Arrived at EDR: 02/05/2019
Date Made Active in Reports: 03/08/2019
Number of Days to Update: 31

Source: Health Care Agency
Telephone: 714-834-3446
Last EDR Contact: 02/05/2019
Next Scheduled EDR Contact: 05/20/2019
Data Release Frequency: Quarterly

PLACER COUNTY:

MS PLACER: Master List of Facilities
List includes aboveground tanks, underground tanks and cleanup sites.

Date of Government Version: 02/28/2019
Date Data Arrived at EDR: 03/01/2019
Date Made Active in Reports: 04/12/2019
Number of Days to Update: 42

Source: Placer County Health and Human Services
Telephone: 530-745-2363
Last EDR Contact: 02/27/2019
Next Scheduled EDR Contact: 06/17/2019
Data Release Frequency: Semi-Annually

PLUMAS COUNTY:

CUPA PLUMAS: CUPA Facility List
Plumas County CUPA Program facilities.

Date of Government Version: 01/14/2019
Date Data Arrived at EDR: 01/18/2019
Date Made Active in Reports: 03/05/2019
Number of Days to Update: 46

Source: Plumas County Environmental Health
Telephone: 530-283-6355
Last EDR Contact: 01/17/2019
Next Scheduled EDR Contact: 05/06/2019
Data Release Frequency: Varies

RIVERSIDE COUNTY:

LUST RIVERSIDE: Listing of Underground Tank Cleanup Sites
Riverside County Underground Storage Tank Cleanup Sites (LUST).

Date of Government Version: 01/29/2019
Date Data Arrived at EDR: 01/31/2019
Date Made Active in Reports: 03/06/2019
Number of Days to Update: 34

Source: Department of Environmental Health
Telephone: 951-358-5055
Last EDR Contact: 03/18/2019
Next Scheduled EDR Contact: 07/01/2019
Data Release Frequency: Quarterly

UST RIVERSIDE: Underground Storage Tank Tank List
Underground storage tank sites located in Riverside county.

Date of Government Version: 01/29/2019
Date Data Arrived at EDR: 01/31/2019
Date Made Active in Reports: 03/08/2019
Number of Days to Update: 36

Source: Department of Environmental Health
Telephone: 951-358-5055
Last EDR Contact: 03/18/2019
Next Scheduled EDR Contact: 07/01/2019
Data Release Frequency: Quarterly

SACRAMENTO COUNTY:

CS SACRAMENTO: Toxic Site Clean-Up List
List of sites where unauthorized releases of potentially hazardous materials have occurred.

Date of Government Version: 11/07/2018
Date Data Arrived at EDR: 01/04/2019
Date Made Active in Reports: 03/05/2019
Number of Days to Update: 60

Source: Sacramento County Environmental Management
Telephone: 916-875-8406
Last EDR Contact: 04/02/2019
Next Scheduled EDR Contact: 07/15/2019
Data Release Frequency: Quarterly

ML SACRAMENTO: Master Hazardous Materials Facility List

Any business that has hazardous materials on site - hazardous material storage sites, underground storage tanks, waste generators.

Date of Government Version: 11/07/2018
Date Data Arrived at EDR: 12/28/2018
Date Made Active in Reports: 03/05/2019
Number of Days to Update: 67

Source: Sacramento County Environmental Management
Telephone: 916-875-8406
Last EDR Contact: 04/02/2019
Next Scheduled EDR Contact: 07/15/2019
Data Release Frequency: Quarterly

SAN BENITO COUNTY:

CUPA SAN BENITO: CUPA Facility List

Cupa facility list

Date of Government Version: 11/15/2018
Date Data Arrived at EDR: 11/16/2018
Date Made Active in Reports: 12/13/2018
Number of Days to Update: 27

Source: San Benito County Environmental Health
Telephone: N/A
Last EDR Contact: 02/27/2019
Next Scheduled EDR Contact: 05/20/2019
Data Release Frequency: Varies

SAN BERNARDINO COUNTY:

PERMITS SAN BERNARDINO: Hazardous Material Permits

This listing includes underground storage tanks, medical waste handlers/generators, hazardous materials handlers, hazardous waste generators, and waste oil generators/handlers.

Date of Government Version: 02/27/2019
Date Data Arrived at EDR: 02/28/2019
Date Made Active in Reports: 04/02/2019
Number of Days to Update: 33

Source: San Bernardino County Fire Department Hazardous Materials Division
Telephone: 909-387-3041
Last EDR Contact: 02/19/2019
Next Scheduled EDR Contact: 05/20/2019
Data Release Frequency: Quarterly

SAN DIEGO COUNTY:

HMMD SAN DIEGO: Hazardous Materials Management Division Database

The database includes: HE58 - This report contains the business name, site address, business phone number, establishment 'H' permit number, type of permit, and the business status. HE17 - In addition to providing the same information provided in the HE58 listing, HE17 provides inspection dates, violations received by the establishment, hazardous waste generated, the quantity, method of storage, treatment/disposal of waste and the hauler, and information on underground storage tanks. Unauthorized Release List - Includes a summary of environmental contamination cases in San Diego County (underground tank cases, non-tank cases, groundwater contamination, and soil contamination are included.)

Date of Government Version: 03/04/2019
Date Data Arrived at EDR: 03/05/2019
Date Made Active in Reports: 04/02/2019
Number of Days to Update: 28

Source: Hazardous Materials Management Division
Telephone: 619-338-2268
Last EDR Contact: 03/05/2019
Next Scheduled EDR Contact: 06/17/2019
Data Release Frequency: Quarterly

LF SAN DIEGO: Solid Waste Facilities
San Diego County Solid Waste Facilities.

Date of Government Version: 04/18/2018
Date Data Arrived at EDR: 04/24/2018
Date Made Active in Reports: 06/19/2018
Number of Days to Update: 56

Source: Department of Health Services
Telephone: 619-338-2209
Last EDR Contact: 01/17/2019
Next Scheduled EDR Contact: 05/06/2019
Data Release Frequency: Varies

SAN DIEGO CO LOP: Local Oversight Program Listing
A listing of all LOP release sites that are or were under the County of San Diego's jurisdiction. Included are closed or transferred cases, open cases, and cases that did not have a case type indicated. The cases without a case type are mostly complaints; however, some of them could be LOP cases.

Date of Government Version: 10/22/2018
Date Data Arrived at EDR: 10/23/2018
Date Made Active in Reports: 11/30/2018
Number of Days to Update: 38

Source: Department of Environmental Health
Telephone: 858-505-6874
Last EDR Contact: 03/06/2019
Next Scheduled EDR Contact: 05/06/2019
Data Release Frequency: Varies

SAN DIEGO CO. SAM: Environmental Case Listing
The listing contains all underground tank release cases and projects pertaining to properties contaminated with hazardous substances that are actively under review by the Site Assessment and Mitigation Program.

Date of Government Version: 03/23/2010
Date Data Arrived at EDR: 06/15/2010
Date Made Active in Reports: 07/09/2010
Number of Days to Update: 24

Source: San Diego County Department of Environmental Health
Telephone: 619-338-2371
Last EDR Contact: 02/27/2019
Next Scheduled EDR Contact: 06/17/2019
Data Release Frequency: No Update Planned

SAN FRANCISCO COUNTY:

LUST SAN FRANCISCO: Local Oversite Facilities
A listing of leaking underground storage tank sites located in San Francisco county.

Date of Government Version: 09/19/2008
Date Data Arrived at EDR: 09/19/2008
Date Made Active in Reports: 09/29/2008
Number of Days to Update: 10

Source: Department Of Public Health San Francisco County
Telephone: 415-252-3920
Last EDR Contact: 01/31/2019
Next Scheduled EDR Contact: 05/20/2019
Data Release Frequency: Quarterly

UST SAN FRANCISCO: Underground Storage Tank Information
Underground storage tank sites located in San Francisco county.

Date of Government Version: 11/05/2018
Date Data Arrived at EDR: 11/06/2018
Date Made Active in Reports: 12/14/2018
Number of Days to Update: 38

Source: Department of Public Health
Telephone: 415-252-3920
Last EDR Contact: 01/31/2019
Next Scheduled EDR Contact: 05/20/2019
Data Release Frequency: Quarterly

SAN JOAQUIN COUNTY:

UST SAN JOAQUIN: San Joaquin Co. UST
A listing of underground storage tank locations in San Joaquin county.

Date of Government Version: 06/22/2018
Date Data Arrived at EDR: 06/26/2018
Date Made Active in Reports: 07/11/2018
Number of Days to Update: 15

Source: Environmental Health Department
Telephone: N/A
Last EDR Contact: 03/18/2019
Next Scheduled EDR Contact: 07/01/2019
Data Release Frequency: Semi-Annually

SAN LUIS OBISPO COUNTY:

CUPA SAN LUIS OBISPO: CUPA Facility List
Cupa Facility List.

Date of Government Version: 02/13/2019
Date Data Arrived at EDR: 02/15/2019
Date Made Active in Reports: 03/14/2019
Number of Days to Update: 27

Source: San Luis Obispo County Public Health Department
Telephone: 805-781-5596
Last EDR Contact: 02/13/2019
Next Scheduled EDR Contact: 06/03/2019
Data Release Frequency: Varies

SAN MATEO COUNTY:

BI SAN MATEO: Business Inventory
List includes Hazardous Materials Business Plan, hazardous waste generators, and underground storage tanks.

Date of Government Version: 12/03/2018
Date Data Arrived at EDR: 12/12/2018
Date Made Active in Reports: 01/15/2019
Number of Days to Update: 34

Source: San Mateo County Environmental Health Services Division
Telephone: 650-363-1921
Last EDR Contact: 03/13/2019
Next Scheduled EDR Contact: 06/24/2019
Data Release Frequency: Annually

LUST SAN MATEO: Fuel Leak List
A listing of leaking underground storage tank sites located in San Mateo county.

Date of Government Version: 12/13/2018
Date Data Arrived at EDR: 12/18/2018
Date Made Active in Reports: 01/23/2019
Number of Days to Update: 36

Source: San Mateo County Environmental Health Services Division
Telephone: 650-363-1921
Last EDR Contact: 03/25/2019
Next Scheduled EDR Contact: 06/24/2019
Data Release Frequency: Semi-Annually

SANTA BARBARA COUNTY:

CUPA SANTA BARBARA: CUPA Facility Listing
CUPA Program Listing from the Environmental Health Services division.

Date of Government Version: 09/08/2011
Date Data Arrived at EDR: 09/09/2011
Date Made Active in Reports: 10/07/2011
Number of Days to Update: 28

Source: Santa Barbara County Public Health Department
Telephone: 805-686-8167
Last EDR Contact: 02/13/2019
Next Scheduled EDR Contact: 06/03/2019
Data Release Frequency: Varies

SANTA CLARA COUNTY:

CUPA SANTA CLARA: Cupa Facility List
Cupa facility list

Date of Government Version: 02/13/2019
Date Data Arrived at EDR: 02/19/2019
Date Made Active in Reports: 03/06/2019
Number of Days to Update: 15

Source: Department of Environmental Health
Telephone: 408-918-1973
Last EDR Contact: 02/13/2019
Next Scheduled EDR Contact: 06/03/2019
Data Release Frequency: Varies

HIST LUST SANTA CLARA: HIST LUST - Fuel Leak Site Activity Report
A listing of open and closed leaking underground storage tanks. This listing is no longer updated by the county. Leaking underground storage tanks are now handled by the Department of Environmental Health.

Date of Government Version: 03/29/2005
Date Data Arrived at EDR: 03/30/2005
Date Made Active in Reports: 04/21/2005
Number of Days to Update: 22

Source: Santa Clara Valley Water District
Telephone: 408-265-2600
Last EDR Contact: 03/23/2009
Next Scheduled EDR Contact: 06/22/2009
Data Release Frequency: No Update Planned

LUST SANTA CLARA: LOP Listing
A listing of leaking underground storage tanks located in Santa Clara county.

Date of Government Version: 03/03/2014
Date Data Arrived at EDR: 03/05/2014
Date Made Active in Reports: 03/18/2014
Number of Days to Update: 13

Source: Department of Environmental Health
Telephone: 408-918-3417
Last EDR Contact: 02/21/2019
Next Scheduled EDR Contact: 06/10/2019
Data Release Frequency: Annually

SAN JOSE HAZMAT: Hazardous Material Facilities
Hazardous material facilities, including underground storage tank sites.

Date of Government Version: 01/30/2019
Date Data Arrived at EDR: 02/01/2019
Date Made Active in Reports: 03/07/2019
Number of Days to Update: 34

Source: City of San Jose Fire Department
Telephone: 408-535-7694
Last EDR Contact: 01/31/2019
Next Scheduled EDR Contact: 05/20/2019
Data Release Frequency: Annually

SANTA CRUZ COUNTY:

CUPA SANTA CRUZ: CUPA Facility List
CUPA facility listing.

Date of Government Version: 01/21/2017
Date Data Arrived at EDR: 02/22/2017
Date Made Active in Reports: 05/23/2017
Number of Days to Update: 90

Source: Santa Cruz County Environmental Health
Telephone: 831-464-2761
Last EDR Contact: 02/13/2019
Next Scheduled EDR Contact: 06/03/2019
Data Release Frequency: Varies

SHASTA COUNTY:

CUPA SHASTA: CUPA Facility List
Cupa Facility List.

Date of Government Version: 06/15/2017
Date Data Arrived at EDR: 06/19/2017
Date Made Active in Reports: 08/09/2017
Number of Days to Update: 51

Source: Shasta County Department of Resource Management
Telephone: 530-225-5789
Last EDR Contact: 02/13/2019
Next Scheduled EDR Contact: 06/03/2019
Data Release Frequency: Varies

SOLANO COUNTY:

LUST SOLANO: Leaking Underground Storage Tanks
A listing of leaking underground storage tank sites located in Solano county.

Date of Government Version: 11/29/2018
Date Data Arrived at EDR: 12/04/2018
Date Made Active in Reports: 01/11/2019
Number of Days to Update: 38

Source: Solano County Department of Environmental Management
Telephone: 707-784-6770
Last EDR Contact: 02/27/2019
Next Scheduled EDR Contact: 06/17/2019
Data Release Frequency: Quarterly

UST SOLANO: Underground Storage Tanks
Underground storage tank sites located in Solano county.

Date of Government Version: 03/05/2019
Date Data Arrived at EDR: 03/07/2019
Date Made Active in Reports: 04/03/2019
Number of Days to Update: 27

Source: Solano County Department of Environmental Management
Telephone: 707-784-6770
Last EDR Contact: 02/27/2019
Next Scheduled EDR Contact: 06/17/2019
Data Release Frequency: Quarterly

SONOMA COUNTY:

CUPA SONOMA: Cupa Facility List
Cupa Facility list

Date of Government Version: 12/21/2018
Date Data Arrived at EDR: 12/27/2018
Date Made Active in Reports: 01/15/2019
Number of Days to Update: 19

Source: County of Sonoma Fire & Emergency Services Department
Telephone: 707-565-1174
Last EDR Contact: 03/25/2019
Next Scheduled EDR Contact: 07/08/2019
Data Release Frequency: Varies

LUST SONOMA: Leaking Underground Storage Tank Sites
A listing of leaking underground storage tank sites located in Sonoma county.

Date of Government Version: 01/08/2019
Date Data Arrived at EDR: 01/10/2019
Date Made Active in Reports: 03/06/2019
Number of Days to Update: 55

Source: Department of Health Services
Telephone: 707-565-6565
Last EDR Contact: 04/08/2019
Next Scheduled EDR Contact: 07/08/2019
Data Release Frequency: Quarterly

STANISLAUS COUNTY:

CUPA STANISLAUS: CUPA Facility List
Cupa facility list

Date of Government Version: 12/11/2018
Date Data Arrived at EDR: 12/13/2018
Date Made Active in Reports: 01/15/2019
Number of Days to Update: 33

Source: Stanislaus County Department of Ennvironmental Protection
Telephone: 209-525-6751
Last EDR Contact: 12/13/2018
Next Scheduled EDR Contact: 04/29/2019
Data Release Frequency: Varies

SUTTER COUNTY:

UST SUTTER: Underground Storage Tanks
Underground storage tank sites located in Sutter county.

Date of Government Version: 02/28/2019
Date Data Arrived at EDR: 03/01/2019
Date Made Active in Reports: 04/03/2019
Number of Days to Update: 33

Source: Sutter County Environmental Health Services
Telephone: 530-822-7500
Last EDR Contact: 02/27/2019
Next Scheduled EDR Contact: 06/17/2019
Data Release Frequency: Semi-Annually

TEHAMA COUNTY:

CUPA TEHAMA: CUPA Facility List
Cupa facilities

Date of Government Version: 12/13/2018
Date Data Arrived at EDR: 12/18/2018
Date Made Active in Reports: 01/15/2019
Number of Days to Update: 28

Source: Tehama County Department of Environmental Health
Telephone: 530-527-8020
Last EDR Contact: 01/31/2019
Next Scheduled EDR Contact: 05/20/2019
Data Release Frequency: Varies

TRINITY COUNTY:

CUPA TRINITY: CUPA Facility List
Cupa facility list

Date of Government Version: 01/18/2019
Date Data Arrived at EDR: 01/23/2019
Date Made Active in Reports: 03/06/2019
Number of Days to Update: 42

Source: Department of Toxic Substances Control
Telephone: 760-352-0381
Last EDR Contact: 01/17/2019
Next Scheduled EDR Contact: 05/06/2019
Data Release Frequency: Varies

TULARE COUNTY:

CUPA TULARE: CUPA Facility List
Cupa program facilities

Date of Government Version: 12/26/2018
Date Data Arrived at EDR: 12/27/2018
Date Made Active in Reports: 01/15/2019
Number of Days to Update: 19

Source: Tulare County Environmental Health Services Division
Telephone: 559-624-7400
Last EDR Contact: 01/31/2019
Next Scheduled EDR Contact: 05/20/2019
Data Release Frequency: Varies

TUOLUMNE COUNTY:

CUPA TUOLUMNE: CUPA Facility List
Cupa facility list

Date of Government Version: 04/23/2018
Date Data Arrived at EDR: 04/25/2018
Date Made Active in Reports: 06/25/2018
Number of Days to Update: 61

Source: Divison of Environmental Health
Telephone: 209-533-5633
Last EDR Contact: 03/18/2019
Next Scheduled EDR Contact: 05/06/2019
Data Release Frequency: Varies

VENTURA COUNTY:

BWT VENTURA: Business Plan, Hazardous Waste Producers, and Operating Underground Tanks
The BWT list indicates by site address whether the Environmental Health Division has Business Plan (B), Waste Producer (W), and/or Underground Tank (T) information.

Date of Government Version: 12/26/2018
Date Data Arrived at EDR: 01/24/2019
Date Made Active in Reports: 02/28/2019
Number of Days to Update: 35

Source: Ventura County Environmental Health Division
Telephone: 805-654-2813
Last EDR Contact: 01/22/2019
Next Scheduled EDR Contact: 05/06/2019
Data Release Frequency: Quarterly

LF VENTURA: Inventory of Illegal Abandoned and Inactive Sites
Ventura County Inventory of Closed, Illegal Abandoned, and Inactive Sites.

Date of Government Version: 12/01/2011
Date Data Arrived at EDR: 12/01/2011
Date Made Active in Reports: 01/19/2012
Number of Days to Update: 49

Source: Environmental Health Division
Telephone: 805-654-2813
Last EDR Contact: 03/29/2019
Next Scheduled EDR Contact: 07/15/2019
Data Release Frequency: Annually

LUST VENTURA: Listing of Underground Tank Cleanup Sites
Ventura County Underground Storage Tank Cleanup Sites (LUST).

Date of Government Version: 05/29/2008
Date Data Arrived at EDR: 06/24/2008
Date Made Active in Reports: 07/31/2008
Number of Days to Update: 37

Source: Environmental Health Division
Telephone: 805-654-2813
Last EDR Contact: 02/07/2019
Next Scheduled EDR Contact: 05/27/2019
Data Release Frequency: Quarterly

MED WASTE VENTURA: Medical Waste Program List
To protect public health and safety and the environment from potential exposure to disease causing agents, the Environmental Health Division Medical Waste Program regulates the generation, handling, storage, treatment and disposal of medical waste throughout the County.

Date of Government Version: 12/26/2018
Date Data Arrived at EDR: 01/24/2019
Date Made Active in Reports: 03/07/2019
Number of Days to Update: 42

Source: Ventura County Resource Management Agency
Telephone: 805-654-2813
Last EDR Contact: 01/22/2019
Next Scheduled EDR Contact: 05/06/2019
Data Release Frequency: Quarterly

UST VENTURA: Underground Tank Closed Sites List
Ventura County Operating Underground Storage Tank Sites (UST)/Underground Tank Closed Sites List.

Date of Government Version: 02/26/2019
Date Data Arrived at EDR: 03/13/2019
Date Made Active in Reports: 04/03/2019
Number of Days to Update: 21

Source: Environmental Health Division
Telephone: 805-654-2813
Last EDR Contact: 03/13/2019
Next Scheduled EDR Contact: 06/24/2019
Data Release Frequency: Quarterly

YOLO COUNTY:

UST YOLO: Underground Storage Tank Comprehensive Facility Report
Underground storage tank sites located in Yolo county.

Date of Government Version: 12/26/2018
Date Data Arrived at EDR: 01/03/2019
Date Made Active in Reports: 01/16/2019
Number of Days to Update: 13

Source: Yolo County Department of Health
Telephone: 530-666-8646
Last EDR Contact: 03/29/2019
Next Scheduled EDR Contact: 07/15/2019
Data Release Frequency: Annually

YUBA COUNTY:

CUPA YUBA: CUPA Facility List
CUPA facility listing for Yuba County.

Date of Government Version: 02/08/2019
Date Data Arrived at EDR: 02/12/2019
Date Made Active in Reports: 03/06/2019
Number of Days to Update: 22

Source: Yuba County Environmental Health Department
Telephone: 530-749-7523
Last EDR Contact: 01/28/2019
Next Scheduled EDR Contact: 05/11/2019
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: 02/11/2019
Date Data Arrived at EDR: 02/12/2019
Date Made Active in Reports: 03/04/2019
Number of Days to Update: 20

Source: Department of Energy & Environmental Protection
Telephone: 860-424-3375
Last EDR Contact: 02/12/2019
Next Scheduled EDR Contact: 05/27/2019
Data Release Frequency: No Update Planned

NJ MANIFEST: Manifest Information
Hazardous waste manifest information.

Date of Government Version: 12/31/2017
Date Data Arrived at EDR: 07/13/2018
Date Made Active in Reports: 08/01/2018
Number of Days to Update: 19

Source: Department of Environmental Protection
Telephone: N/A
Last EDR Contact: 04/10/2019
Next Scheduled EDR Contact: 07/22/2019
Data Release Frequency: Annually

NY MANIFEST: Facility and Manifest Data
Manifest is a document that lists and tracks hazardous waste from the generator through transporters to a TSD facility.

Date of Government Version: 01/01/2019
Date Data Arrived at EDR: 01/30/2019
Date Made Active in Reports: 02/14/2019
Number of Days to Update: 15

Source: Department of Environmental Conservation
Telephone: 518-402-8651
Last EDR Contact: 01/30/2019
Next Scheduled EDR Contact: 05/11/2019
Data Release Frequency: Quarterly

PA MANIFEST: Manifest Information
Hazardous waste manifest information.

Date of Government Version: 12/31/2017
Date Data Arrived at EDR: 10/23/2018
Date Made Active in Reports: 11/27/2018
Number of Days to Update: 35

Source: Department of Environmental Protection
Telephone: 717-783-8990
Last EDR Contact: 01/11/2019
Next Scheduled EDR Contact: 04/29/2019
Data Release Frequency: Annually

RI MANIFEST: Manifest information
Hazardous waste manifest information

Date of Government Version: 12/31/2017
Date Data Arrived at EDR: 02/23/2018
Date Made Active in Reports: 04/09/2018
Number of Days to Update: 45

Source: Department of Environmental Management
Telephone: 401-222-2797
Last EDR Contact: 02/19/2019
Next Scheduled EDR Contact: 06/03/2019
Data Release Frequency: Annually

WI MANIFEST: Manifest Information
Hazardous waste manifest information.

Date of Government Version: 12/31/2017
Date Data Arrived at EDR: 06/15/2018
Date Made Active in Reports: 07/09/2018
Number of Days to Update: 24

Source: Department of Natural Resources
Telephone: N/A
Last EDR Contact: 03/11/2019
Next Scheduled EDR Contact: 06/24/2019
Data Release Frequency: Annually

Oil/Gas Pipelines
Source: PennWell Corporation
Petroleum Bundle (Crude Oil, Refined Products, Petrochemicals, Gas Liquids (LPG/NGL), and Specialty Gases (Miscellaneous)) N = Natural Gas Bundle (Natural Gas, Gas Liquids (LPG/NGL), and Specialty Gases (Miscellaneous)). This map includes information copyrighted by PennWell Corporation. This information is provided on a best effort basis and PennWell Corporation does not guarantee its accuracy nor warrant its fitness for any particular purpose. Such information has been reprinted with the permission of PennWell.

Electric Power Transmission Line Data
Source: PennWell Corporation
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Sensitive Receptors: There are individuals deemed sensitive receptors due to their fragile immune systems and special sensitivity to environmental discharges. These sensitive receptors typically include the elderly, the sick, and children. While the location of all sensitive receptors cannot be determined, EDR indicates those buildings and facilities - schools, daycares, hospitals, medical centers, and nursing homes - where individuals who are sensitive receptors are likely to be located.

AHA Hospitals:
Source: American Hospital Association, Inc.
Telephone: 312-280-5991
The database includes a listing of hospitals based on the American Hospital Association's annual survey of hospitals.

Medical Centers: Provider of Services Listing
Source: Centers for Medicare & Medicaid Services
Telephone: 410-786-3000
A listing of hospitals with Medicare provider number, produced by Centers of Medicare & Medicaid Services, a federal agency within the U.S. Department of Health and Human Services.

Nursing Homes
Source: National Institutes of Health
Telephone: 301-594-6248
Information on Medicare and Medicaid certified nursing homes in the United States.

Public Schools
Source: National Center for Education Statistics
Telephone: 202-502-7300
The National Center for Education Statistics' primary database on elementary and secondary public education in the United States. It is a comprehensive, annual, national statistical database of all public elementary and secondary schools and school districts, which contains data that are comparable across all states.

Private Schools
Source: National Center for Education Statistics
Telephone: 202-502-7300
The National Center for Education Statistics' primary database on private school locations in the United States.

Daycare Centers: Licensed Facilities
Source: Department of Social Services
Telephone: 916-657-4041

Flood Zone Data: This data was obtained from the Federal Emergency Management Agency (FEMA). It depicts 100-year and 500-year flood zones as defined by FEMA. It includes the National Flood Hazard Layer (NFHL) which incorporates Flood Insurance Rate Map (FIRM) data and Q3 data from FEMA in areas not covered by NFHL.
Source: FEMA
Telephone: 877-336-2627
Date of Government Version: 2003, 2015

NWI: National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002, 2005 and 2010 from the U.S. Fish and Wildlife Service.

State Wetlands Data: Wetland Inventory
Source: Department of Fish and Wildlife
Telephone: 916-445-0411

Current USGS 7.5 Minute Topographic Map
Source: U.S. Geological Survey

STREET AND ADDRESS INFORMATION

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GEOCHECK ®- PHYSICAL SETTING SOURCE ADDENDUM

TARGET PROPERTY ADDRESS

MARICOPA HIGHWAY SITE
8033 HIGHWAY 166
BAKERSFIELD, CA 93313

TARGET PROPERTY COORDINATES

Latitude (North):	35.0573 - 35˚ 3' 26.28''
Longitude (West):	119.005835 - 119˚ 0' 21.01''
Universal Tranverse Mercator:	Zone 11
UTM X (Meters):	317074.9
UTM Y (Meters):	3881039.2
Elevation:	489 ft. above sea level

USGS TOPOGRAPHIC MAP

Target Property Map:	5639469 COAL OIL CANYON, CA
Version Date:	2012
East Map:	5638958 METTLER, CA
Version Date:	2012

EDR's GeoCheck Physical Setting Source Addendum is provided to assist the environmental professional in forming an opinion about the impact of potential contaminant migration.

Assessment of the impact of contaminant migration generally has two principle investigative components:

1. Groundwater flow direction, and
2. Groundwater flow velocity.

Groundwater flow direction may be impacted by surface topography, hydrology, hydrogeology, characteristics of the soil, and nearby wells. Groundwater flow velocity is generally impacted by the nature of the geologic strata.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

GROUNDWATER FLOW DIRECTION INFORMATION

Groundwater flow direction for a particular site is best determined by a qualified environmental professional using site-specific well data. If such data is not reasonably ascertainable, it may be necessary to rely on other sources of information, such as surface topographic information, hydrologic information, hydrogeologic data collected on nearby properties, and regional groundwater flow information (from deep aquifers).

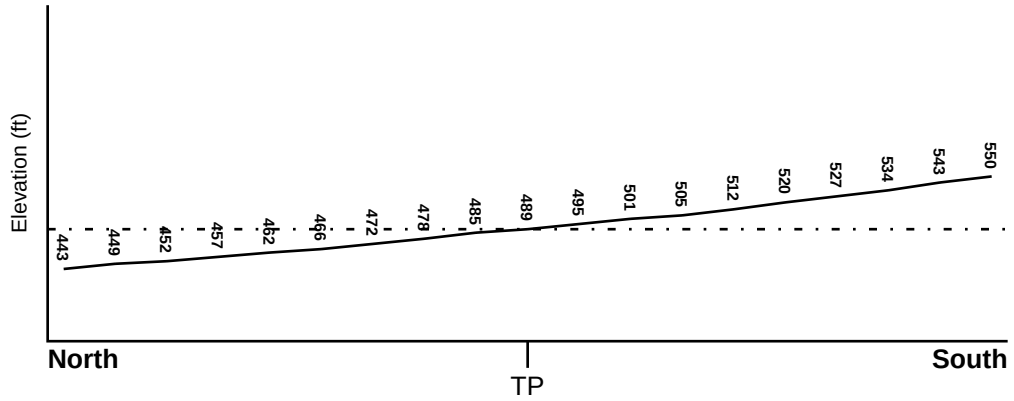
TOPOGRAPHIC INFORMATION

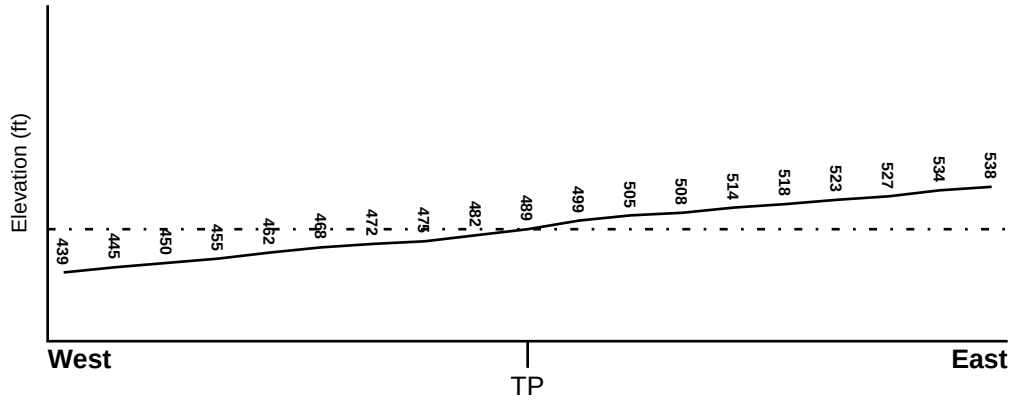
Surface topography may be indicative of the direction of surficial groundwater flow. This information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

TARGET PROPERTY TOPOGRAPHY

General Topographic Gradient: General NW

SURROUNDING TOPOGRAPHY: ELEVATION PROFILES





Target Property Elevation: 489 ft.

0 1/2 1 Miles

Source: Topography has been determined from the USGS 7.5' Digital Elevation Model and should be evaluated on a relative (not an absolute) basis. Relative elevation information between sites of close proximity should be field verified.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

HYDROLOGIC INFORMATION

Surface water can act as a hydrologic barrier to groundwater flow. Such hydrologic information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

Refer to the Physical Setting Source Map following this summary for hydrologic information (major waterways and bodies of water).

FEMA FLOOD ZONE

Flood Plain Panel at Target Property	FEMA Source Type
06029C3125E	FEMA FIRM Flood data

Additional Panels in search area:	FEMA Source Type
06029C3150E	FEMA FIRM Flood data

NATIONAL WETLAND INVENTORY

NWI Quad at Target Property	NWI Electronic Data Coverage
COAL OIL CANYON	YES - refer to the Overview Map and Detail Map

HYDROGEOLOGIC INFORMATION

Hydrogeologic information obtained by installation of wells on a specific site can often be an indicator of groundwater flow direction in the immediate area. Such hydrogeologic information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

Site-Specific Hydrogeological Data*:

Search Radius:	1.25 miles
Status:	Not found

AQUIFLOW®

Search Radius: 1.000 Mile.

EDR has developed the AQUIFLOW Information System to provide data on the general direction of groundwater flow at specific points. EDR has reviewed reports submitted by environmental professionals to regulatory authorities at select sites and has extracted the date of the report, groundwater flow direction as determined hydrogeologically, and the depth to water table.

MAP ID	LOCATION FROM TP	GENERAL DIRECTION GROUNDWATER FLOW
Not Reported		

* ©1996 Site−specific hydrogeological data gathered by CERCLIS Alerts, Inc., Bainbridge Island, WA. All rights reserved. All of the information and opinions presented are those of the cited EPA report(s), which were completed under a Comprehensive Environmental Response Compensation and Liability Information System (CERCLIS) investigation.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

GROUNDWATER FLOW VELOCITY INFORMATION

Groundwater flow velocity information for a particular site is best determined by a qualified environmental professional using site specific geologic and soil strata data. If such data are not reasonably ascertainable, it may be necessary to rely on other sources of information, including geologic age identification, rock stratigraphic unit and soil characteristics data collected on nearby properties and regional soil information. In general, contaminant plumes move more quickly through sandy-gravelly types of soils than silty-clayey types of soils.

GEOLOGIC INFORMATION IN GENERAL AREA OF TARGET PROPERTY

Geologic information can be used by the environmental professional in forming an opinion about the relative speed at which contaminant migration may be occurring.

ROCK STRATIGRAPHIC UNIT

Era:	Cenozoic
System:	Quaternary
Series:	Quaternary
Code:	Q *(decoded above as Era, System & Series)*

GEOLOGIC AGE IDENTIFICATION

Category: Stratifed Sequence

Geologic Age and Rock Stratigraphic Unit Source: P.G. Schruben, R.E. Arndt and W.J. Bawiec, Geology of the Conterminous U.S. at 1:2,500,000 Scale - a digital representation of the 1974 P.B. King and H.M. Beikman Map, USGS Digital Data Series DDS - 11 (1994).

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. Soil maps for STATSGO are compiled by generalizing more detailed (SSURGO) soil survey maps. The following information is based on Soil Conservation Service STATSGO data.

Soil Component Name:	KIMBERLINA
Soil Surface Texture:	fine sandy loam
Hydrologic Group:	Class B - Moderate infiltration rates. Deep and moderately deep, moderately well and well drained soils with moderately coarse textures.
Soil Drainage Class:	Well drained. Soils have intermediate water holding capacity. Depth to water table is more than 6 feet.

Hydric Status: Soil does not meet the requirements for a hydric soil.

Corrosion Potential - Uncoated Steel:	HIGH
Depth to Bedrock Min:	> 60 inches
Depth to Bedrock Max:	> 60 inches

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Soil Layer Information							
	Boundary			Classification			
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil	Permeability Rate (in/hr)	Soil Reaction (pH)
1	0 inches	9 inches	fine sandy loam	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: 6.00 Min: 2.00	Max: 8.40 Min: 6.60
2	9 inches	45 inches	fine sandy loam	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: 6.00 Min: 2.00	Max: 8.40 Min: 7.90
3	45 inches	71 inches	stratified	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	COARSE-GRAINED SOILS, Sands, Sands with fines, Clayey sand. COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 2.00 Min: 0.60	Max: 8.40 Min: 7.90

OTHER SOIL TYPES IN AREA

Based on Soil Conservation Service STATSGO data, the following additional subordinant soil types may appear within the general area of target property.

Soil Surface Textures: sandy loam
clay
clay loam
loamy sand
gravelly - sandy loam

Surficial Soil Types: sandy loam
clay
clay loam
loamy sand
gravelly - sandy loam

Shallow Soil Types: loam
sand
loamy sand

Deeper Soil Types: clay

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

LOCAL / REGIONAL WATER AGENCY RECORDS

EDR Local/Regional Water Agency records provide water well information to assist the environmental professional in assessing sources that may impact ground water flow direction, and in forming an opinion about the impact of contaminant migration on nearby drinking water wells.

WELL SEARCH DISTANCE INFORMATION

DATABASE	SEARCH DISTANCE (miles)
Federal USGS	1.000
Federal FRDS PWS	Nearest PWS within 0.001 miles
State Database	1.000

FEDERAL USGS WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
2	USGS40000160142	1/4 - 1/2 Mile NNW
A3	USGS40000160032	1/2 - 1 Mile SSE
A4	USGS40000160015	1/2 - 1 Mile SSE
5	USGS40000160136	1/2 - 1 Mile NE
C7	USGS40000160137	1/2 - 1 Mile WNW
B8	USGS40000160081	1/2 - 1 Mile East
D12	USGS40000160106	1/2 - 1 Mile ENE
E13	USGS40000160107	1/2 - 1 Mile West
14	USGS40000160165	1/2 - 1 Mile NE
F17	USGS40000160045	1/2 - 1 Mile WSW
18	USGS40000160202	1/2 - 1 Mile NNW

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

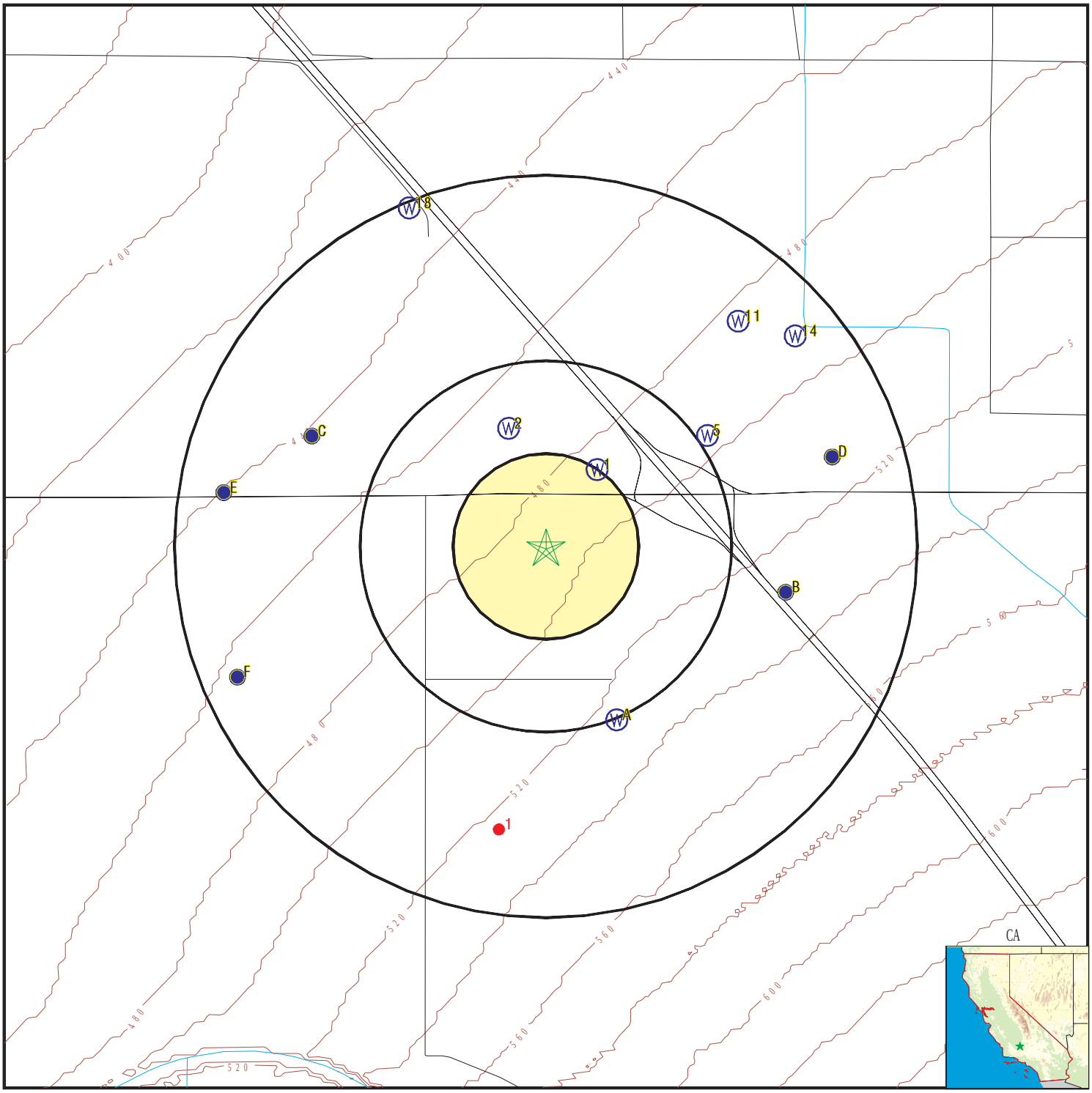
MAP ID	WELL ID	LOCATION FROM TP
1	CADW60000002581	1/8 - 1/4 Mile NE
B6	CADW60000031797	1/2 - 1 Mile ESE
C9	CADW60000027792	1/2 - 1 Mile WNW
D10	CADW60000031798	1/2 - 1 Mile ENE
11	CADW60000029569	1/2 - 1 Mile NE
F15	CADW60000031796	1/2 - 1 Mile WSW
E16	CADW60000035130	1/2 - 1 Mile West

OTHER STATE DATABASE INFORMATION

STATE OIL/GAS WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
1	CAOG11000043080	1/2 - 1 Mile South

PHYSICAL SETTING SOURCE MAP - 5612641.2s



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

0 1/4 1/2 1 Miles

Groundwater Flow Direction
GI Indeterminate Groundwater Flow at Location
GV Groundwater Flow Varies at Location
HD Closest Hydrogeological Data
Oil, gas or related wells

N

SITE NAME:	Maricopa Highway Site	CLIENT:	ANALYTICAL ENVIRONMENTAL SERVICES
ADDRESS:	8033 Highway 166 Bakersfield CA 93313	CONTACT:	Sam Schoevaars
		INQUIRY #:	5612641.2s
LAT/LONG:	35.0573 / 119.005835	DATE:	April 15, 2019 1:34 pm

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GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID Direction Distance Elevation	Database	EDR ID Number
1 **NE** **1/8 - 1/4 Mile** **Lower**	**CA WELLS**	**CADW60000002581**

Objectid:	2581	Latitude:	35.0603
Longitude:	-119.0034	Site code:	350603N1190034W001
State well numbe:	11N20W10C002S	Local well name:	''
Well use id:	6	Well use descrip:	Unknown
County id:	15	County name:	Kern
Basin code:	'5-22.14'	Basin desc:	Kern County
Dwr region id:	80237	Dwr region:	South Central Region Office
Site id:	CADW60000002581		

---

2 **NNW** **1/4 - 1/2 Mile** **Lower**	**FED USGS**	**USGS40000160142**

Organization ID:	USGS-CA		
Organization Name:	USGS California Water Science Center		
Monitor Location:	011N020W10C001S	Type:	Well
Description:	Not Reported	HUC:	18030012
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	Central Valley aquifer system		
Formation Type:	Not Reported	Aquifer Type:	Not Reported
Construction Date:	Not Reported	Well Depth:	1000
Well Depth Units:	ft	Well Hole Depth:	Not Reported
Well Hole Depth Units:	Not Reported		

A3 **SSE** **1/2 - 1 Mile** **Higher**	**FED USGS**	**USGS40000160032**

Organization ID:	USGS-CA		
Organization Name:	USGS California Water Science Center		
Monitor Location:	011N020W10Q001S	Type:	Well
Description:	Not Reported	HUC:	18030012
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	Central Valley aquifer system		
Formation Type:	Not Reported	Aquifer Type:	Not Reported
Construction Date:	Not Reported	Well Depth:	988
Well Depth Units:	ft	Well Hole Depth:	Not Reported
Well Hole Depth Units:	Not Reported		

Ground water levels,Number of Measurements:	2	Level reading date:	1958-02-01
Feet below surface:	434.80	Feet to sea level:	Not Reported
Note:	Not Reported		

Level reading date:	1958-02-01	Feet below surface:	434.80
Feet to sea level:	Not Reported	Note:	Not Reported

Map ID Direction Distance Elevation	Database	EDR ID Number
A4 **SSE** **1/2 - 1 Mile** **Higher**	**FED USGS**	**USGS40000160015**

Organization ID:	USGS-CA		
Organization Name:	USGS California Water Science Center		
Monitor Location:	011N020W10Q002S	Type:	Well
Description:	Not Reported	HUC:	18030012
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	Central Valley aquifer system		
Formation Type:	Alluvium of the Tehachapi and San Emigdio Mts, Younger (Plei-Holo)		
Aquifer Type:	Not Reported	Construction Date:	195306
Well Depth:	1004	Well Depth Units:	ft
Well Hole Depth:	1004	Well Hole Depth Units:	ft

Ground water levels,Number of Measurements:	2	Level reading date:	1958-12-06
Feet below surface:	436.00	Feet to sea level:	Not Reported
Note:	Not Reported		

Level reading date:	1958-12-06	Feet below surface:	436.00
Feet to sea level:	Not Reported	Note:	Not Reported

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5 **NE** **1/2 - 1 Mile** **Higher**	**FED USGS**	**USGS40000160136**

Organization ID:	USGS-CA		
Organization Name:	USGS California Water Science Center		
Monitor Location:	011N020W10A001S	Type:	Well
Description:	Not Reported	HUC:	18030012
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	Central Valley aquifer system		
Formation Type:	Not Reported	Aquifer Type:	Not Reported
Construction Date:	Not Reported	Well Depth:	1012
Well Depth Units:	ft	Well Hole Depth:	Not Reported
Well Hole Depth Units:	Not Reported		

B6 **ESE** **1/2 - 1 Mile** **Higher**	**CA WELLS**	**CADW60000031797**

Objectid:	31797	Latitude:	35.0555
Longitude:	-118.9949	Site code:	350555N1189949W001
State well numbe:	11N20W10H001S	Local well name:	''
Well use id:	6	Well use descrip:	Unknown
County id:	15	County name:	Kern
Basin code:	'5-22.14'	Basin desc:	Kern County
Dwr region id:	80237	Dwr region:	South Central Region Office
Site id:	CADW60000031797		

Map ID Direction Distance Elevation	Database	EDR ID Number
C7 **WNW** **1/2 - 1 Mile** **Lower**	**FED USGS**	**USGS40000160137**

Organization ID:	USGS-CA		
Organization Name:	USGS California Water Science Center		
Monitor Location:	011N020W09A001S	Type:	Well
Description:	Not Reported	HUC:	18030012
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	Central Valley aquifer system		
Formation Type:	Not Reported	Aquifer Type:	Not Reported
Construction Date:	Not Reported	Well Depth:	1100
Well Depth Units:	ft	Well Hole Depth:	Not Reported
Well Hole Depth Units:	Not Reported		

Ground water levels,Number of Measurements:	1	Level reading date:	1958-01-31
Feet below surface:	362.20	Feet to sea level:	Not Reported
Note:	Not Reported		

B8 **East** **1/2 - 1 Mile** **Higher**	**FED USGS**	**USGS40000160081**

Organization ID:	USGS-CA		
Organization Name:	USGS California Water Science Center		
Monitor Location:	011N020W10H001S	Type:	Well
Description:	Not Reported	HUC:	18030012
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	Central Valley aquifer system		
Formation Type:	Not Reported	Aquifer Type:	Not Reported
Construction Date:	Not Reported	Well Depth:	1203
Well Depth Units:	ft	Well Hole Depth:	1203
Well Hole Depth Units:	ft		

Ground water levels,Number of Measurements:	1	Level reading date:	1958-12-06
Feet below surface:	422.00	Feet to sea level:	Not Reported
Note:	Not Reported		

C9 **WNW** **1/2 - 1 Mile** **Lower**	**CA WELLS**	**CADW60000027792**

Objectid:	27792	Latitude:	35.0616
Longitude:	-119.0174	Site code:	350616N1190174W001
State well numbe:	11N20W09A001S	Local well name:	''
Well use id:	6	Well use descrip:	Unknown
County id:	15	County name:	Kern
Basin code:	'5-22.14'	Basin desc:	Kern County
Dwr region id:	80237	Dwr region:	South Central Region Office
Site id:	CADW60000027792		

Map ID Direction Distance Elevation	Database	EDR ID Number
D10 **ENE** **1/2 - 1 Mile** **Higher**	**CA WELLS**	**CADW60000031798**

Objectid:	31798	Latitude:	35.0608
Longitude:	-118.9927	Site code:	350608N1189927W001
State well numbe:	11N20W11C001S	Local well name:	''
Well use id:	6	Well use descrip:	Unknown
County id:	15	County name:	Kern
Basin code:	'5-22.14'	Basin desc:	Kern County
Dwr region id:	80237	Dwr region:	South Central Region Office
Site id:	CADW60000031798		

11 **NE** **1/2 - 1 Mile** **Lower**	**CA WELLS**	**CADW60000029569**

Objectid:	29569	Latitude:	35.0661
Longitude:	-118.9967	Site code:	350661N1189967W001
State well numbe:	11N20W03J001S	Local well name:	''
Well use id:	6	Well use descrip:	Unknown
County id:	15	County name:	Kern
Basin code:	'5-22.14'	Basin desc:	Kern County
Dwr region id:	80237	Dwr region:	South Central Region Office
Site id:	CADW60000029569		

D12 **ENE** **1/2 - 1 Mile** **Higher**	**FED USGS**	**USGS40000160106**

Organization ID:	USGS-CA		
Organization Name:	USGS California Water Science Center		
Monitor Location:	011N020W11C001S	Type:	Well
Description:	Not Reported	HUC:	18030012
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	Central Valley aquifer system		
Formation Type:	Alluvium of the Tehachapi and San Emigdio Mts, Younger (Plei-Holo)		
Aquifer Type:	Not Reported	Construction Date:	Not Reported
Well Depth:	999	Well Depth Units:	ft
Well Hole Depth:	Not Reported	Well Hole Depth Units:	Not Reported

Ground water levels,Number of Measurements:	1	Level reading date:	1955-02-03
Feet below surface:	322.00	Feet to sea level:	Not Reported
Note:	Not Reported		

E13 **West** **1/2 - 1 Mile** **Lower**	**FED USGS**	**USGS40000160107**

Organization ID:	USGS-CA
Organization Name:	USGS California Water Science Center

Monitor Location:	011N020W09C001S	Type:	Well
Description:	Not Reported	HUC:	18030012
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	Central Valley aquifer system		
Formation Type:	Not Reported	Aquifer Type:	Not Reported
Construction Date:	19470101	Well Depth:	1068
Well Depth Units:	ft	Well Hole Depth:	1204
Well Hole Depth Units:	ft		

Ground water levels,Number of Measurements:	1	Level reading date:	1958-12-06
Feet below surface:	315.30	Feet to sea level:	Not Reported
Note:	Not Reported		

14
NE
1/2 - 1 Mile
Higher

FED USGS **USGS40000160165**

Organization ID:	USGS-CA		
Organization Name:	USGS California Water Science Center		
Monitor Location:	011N020W03R001S	Type:	Well
Description:	Not Reported	HUC:	18030012
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	Central Valley aquifer system		
Formation Type:	Not Reported	Aquifer Type:	Not Reported
Construction Date:	19460101	Well Depth:	990
Well Depth Units:	ft	Well Hole Depth:	998
Well Hole Depth Units:	ft		

F15
WSW
1/2 - 1 Mile
Lower

CA WELLS **CADW60000031796**

Objectid:	31796	Latitude:	35.0522
Longitude:	-119.0203	Site code:	350522N1190203W001
State well numbe:	11N20W09P001S	Local well name:	''
Well use id:	6	Well use descrip:	Unknown
County id:	15	County name:	Kern
Basin code:	'5-22.14'	Basin desc:	Kern County
Dwr region id:	80237	Dwr region:	South Central Region Office
Site id:	CADW60000031796		

E16
West
1/2 - 1 Mile
Lower

CA WELLS **CADW60000035130**

Objectid:	35130	Latitude:	35.0594
Longitude:	-119.0216	Site code:	350594N1190216W001
State well numbe:	11N20W09C001S	Local well name:	'11N20W09C001S'
Well use id:	6	Well use descrip:	Unknown
County id:	15	County name:	Kern
Basin code:	'5-22.14'	Basin desc:	Kern County
Dwr region id:	80237	Dwr region:	South Central Region Office

Site id: CADW60000035130

F17
WSW
1/2 - 1 Mile
Lower

FED USGS **USGS40000160045**

Organization ID:	USGS-CA		
Organization Name:	USGS California Water Science Center		
Monitor Location:	011N020W09P001S	Type:	Well
Description:	Not Reported	HUC:	18030012
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	Central Valley aquifer system		
Formation Type:	Not Reported	Aquifer Type:	Not Reported
Construction Date:	19530101	Well Depth:	1202
Well Depth Units:	ft	Well Hole Depth:	1202
Well Hole Depth Units:	ft		

18
NNW
1/2 - 1 Mile
Lower

FED USGS **USGS40000160202**

Organization ID:	USGS-CA		
Organization Name:	USGS California Water Science Center		
Monitor Location:	011N020W04H002S	Type:	Well
Description:	Not Reported	HUC:	18030012
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	Central Valley aquifer system		
Formation Type:	Not Reported	Aquifer Type:	Not Reported
Construction Date:	19530801	Well Depth:	1107
Well Depth Units:	ft	Well Hole Depth:	1112
Well Hole Depth Units:	ft		

Ground water levels,Number of Measurements:	1	Level reading date:	1957-02-21
Feet below surface:	322.50	Feet to sea level:	Not Reported
Note:	Not Reported		

Map ID Direction Distance	Database	EDR ID Number
1 **South** **1/2 - 1 Mile**	**OIL_GAS**	**CAOG11000043080**

Districtnu:	4	Apinumber:	02932768
Blmwell:	N	Redrillcan:	Not Reported
Dryhole:	Y	Wellstatus:	P
Operatorna:	ARCO Western Energy	Countyname:	Kern
Fieldname:	Any Field	Areaname:	Any Area
Section:	15	Township:	11N
Range:	20W	Basemeridi:	SB
Elevation:	535 KB	Locationde:	Fr NW cor 888S 990E
Gissourcec:	hud	Comments:	Not Reported
Leasename:	KCL K	Wellnumber:	22-15
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0	Redrillfoo:	0
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	PDH
Site id:	CAOG11000043080		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS
RADON

AREA RADON INFORMATION

State Database: CA Radon

Radon Test Results

Zipcode	Num Tests	> 4 pCi/L
93313	12	1

Federal EPA Radon Zone for KERN County: 2

Note: Zone 1 indoor average level > 4 pCi/L.
: Zone 2 indoor average level >= 2 pCi/L and <= 4 pCi/L.
: Zone 3 indoor average level < 2 pCi/L.

Federal Area Radon Information for KERN COUNTY, CA

Number of sites tested: 94

Area	Average Activity	% <4 pCi/L	% 4-20 pCi/L	% >20 pCi/L
Living Area - 1st Floor	1.422 pCi/L	98%	2%	0%
Living Area - 2nd Floor	Not Reported	Not Reported	Not Reported	Not Reported
Basement	Not Reported	Not Reported	Not Reported	Not Reported

PHYSICAL SETTING SOURCE RECORDS SEARCHED

TOPOGRAPHIC INFORMATION

USGS 7.5' Digital Elevation Model (DEM)
Source: United States Geologic Survey
EDR acquired the USGS 7.5' Digital Elevation Model in 2002 and updated it in 2006. The 7.5 minute DEM corresponds to the USGS 1:24,000- and 1:25,000-scale topographic quadrangle maps. The DEM provides elevation data with consistent elevation units and projection.

Current USGS 7.5 Minute Topographic Map
Source: U.S. Geological Survey

HYDROLOGIC INFORMATION

Flood Zone Data: This data was obtained from the Federal Emergency Management Agency (FEMA). It depicts 100-year and 500-year flood zones as defined by FEMA. It includes the National Flood Hazard Layer (NFHL) which incorporates Flood Insurance Rate Map (FIRM) data and Q3 data from FEMA in areas not covered by NFHL.
Source: FEMA
Telephone: 877-336-2627
Date of Government Version: 2003, 2015

NWI: National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002, 2005 and 2010 from the U.S. Fish and Wildlife Service.

State Wetlands Data: Wetland Inventory
Source: Department of Fish and Wildlife
Telephone: 916-445-0411

HYDROGEOLOGIC INFORMATION

AQUIFLOW[R] Information System
Source: EDR proprietary database of groundwater flow information
EDR has developed the AQUIFLOW Information System (AIS) to provide data on the general direction of groundwater flow at specific points. EDR has reviewed reports submitted to regulatory authorities at select sites and has extracted the date of the report, hydrogeologically determined groundwater flow direction and depth to water table information.

GEOLOGIC INFORMATION

Geologic Age and Rock Stratigraphic Unit
Source: P.G. Schruben, R.E. Arndt and W.J. Bawiec, Geology of the Conterminous U.S. at 1:2,500,000 Scale - A digital representation of the 1974 P.B. King and H.M. Beikman Map, USGS Digital Data Series DDS - 11 (1994).

STATSGO: State Soil Geographic Database
Source: Department of Agriculture, Natural Resources Conservation Service (NRCS)
The U.S. Department of Agriculture's (USDA) Natural Resources Conservation Service (NRCS) leads the national Conservation Soil Survey (NCSS) and is responsible for collecting, storing, maintaining and distributing soil survey information for privately owned lands in the United States. A soil map in a soil survey is a representation of soil patterns in a landscape. Soil maps for STATSGO are compiled by generalizing more detailed (SSURGO) soil survey maps.

SSURGO: Soil Survey Geographic Database
Source: Department of Agriculture, Natural Resources Conservation Service (NRCS)
Telephone: 800-672-5559
SSURGO is the most detailed level of mapping done by the Natural Resources Conservation Service, mapping scales generally range from 1:12,000 to 1:63,360. Field mapping methods using national standards are used to construct the soil maps in the Soil Survey Geographic (SSURGO) database. SSURGO digitizing duplicates the original soil survey maps. This level of mapping is designed for use by landowners, townships and county natural resource planning and management.

PHYSICAL SETTING SOURCE RECORDS SEARCHED

LOCAL / REGIONAL WATER AGENCY RECORDS

FEDERAL WATER WELLS

PWS: Public Water Systems
Source: EPA/Office of Drinking Water
Telephone: 202-564-3750
Public Water System data from the Federal Reporting Data System. A PWS is any water system which provides water to at least 25 people for at least 60 days annually. PWSs provide water from wells, rivers and other sources.

PWS ENF: Public Water Systems Violation and Enforcement Data
Source: EPA/Office of Drinking Water
Telephone: 202-564-3750
Violation and Enforcement data for Public Water Systems from the Safe Drinking Water Information System (SDWIS) after August 1995. Prior to August 1995, the data came from the Federal Reporting Data System (FRDS).

USGS Water Wells: USGS National Water Inventory System (NWIS)
This database contains descriptive information on sites where the USGS collects or has collected data on surface water and/or groundwater. The groundwater data includes information on wells, springs, and other sources of groundwater.

STATE RECORDS

Water Well Database
Source: Department of Water Resources
Telephone: 916-651-9648

California Drinking Water Quality Database
Source: Department of Public Health
Telephone: 916-324-2319
The database includes all drinking water compliance and special studies monitoring for the state of California since 1984. It consists of over 3,200,000 individual analyses along with well and water system information.

OTHER STATE DATABASE INFORMATION

California Oil and Gas Well Locations
Source: Department of Conservation
Telephone: 916-323-1779
Oil and Gas well locations in the state.

California Earthquake Fault Lines
Source: California Division of Mines and Geology
The fault lines displayed on EDR's Topographic map are digitized quaternary fault lines prepared in 1975 by the United State Geological Survey. Additional information (also from 1975) regarding activity at specific fault lines comes from California's Preliminary Fault Activity Map prepared by the California Division of Mines and Geology.

RADON

State Database: CA Radon
Source: Department of Public Health
Telephone: 916-210-8558
Radon Database for California

Area Radon Information
Source: USGS
Telephone: 703-356-4020
The National Radon Database has been developed by the U.S. Environmental Protection Agency (USEPA) and is a compilation of the EPA/State Residential Radon Survey and the National Residential Radon Survey. The study covers the years 1986 - 1992. Where necessary data has been supplemented by information collected at private sources such as universities and research institutions.

PHYSICAL SETTING SOURCE RECORDS SEARCHED

EPA Radon Zones
Source: EPA
Telephone: 703-356-4020
Sections 307 & 309 of IRAA directed EPA to list and identify areas of U.S. with the potential for elevated indoor radon levels.

OTHER

Airport Landing Facilities: Private and public use landing facilities
Source: Federal Aviation Administration, 800-457-6656

Epicenters: World earthquake epicenters, Richter 5 or greater
Source: Department of Commerce, National Oceanic and Atmospheric Administration

California Earthquake Fault Lines: The fault lines displayed on EDR's Topographic map are digitized quaternary fault lines, prepared in 1975 by the United State Geological Survey. Additional information (also from 1975) regarding activity at specific fault lines comes from California's Preliminary Fault Activity Map prepared by the California Division of Mines and Geology.

STREET AND ADDRESS INFORMATION

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Maricopa Highway Site

8033 Highway 166

Bakersfield, CA 93313

Inquiry Number: 5612641.4

April 08, 2019

The EDR Aerial Photo Decade Package

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

EDR Aerial Photo Decade Package

04/08/19

Site Name:

Maricopa Highway Site
8033 Highway 166
Bakersfield, CA 93313
EDR Inquiry # 5612641.4

Client Name:

ANALYTICAL ENVIRONMENTAL SERV
1801 7th Street
Sacramento, CA 95811
Contact: Sam Schoevaars

Environmental Data Resources, Inc. (EDR) Aerial Photo Decade Package is a screening tool designed to assist environmental professionals in evaluating potential liability on a target property resulting from past activities. EDR's professional researchers provide digitally reproduced historical aerial photographs, and when available, provide one photo per decade.

Search Results:

Year	***Scale***	***Details***	***Source***
2016	1"=750'	Flight Year: 2016	USDA/NAIP
2012	1"=750'	Flight Year: 2012	USDA/NAIP
2009	1"=750'	Flight Year: 2009	USDA/NAIP
2006	1"=750'	Flight Year: 2006	USDA/NAIP
1992	1"=750'	Acquisition Date: September 16, 1992	USGS/DOQQ
1986	1"=750'	Flight Date: August 29, 1986	USDA
1984	1"=750'	Flight Date: June 16, 1984	USDA
1978	1"=750'	Flight Date: September 30, 1978	USGS
1973	1"=750'	Flight Date: May 01, 1973	USDA
1968	1"=750'	Flight Date: April 21, 1968	USGS
1956	1"=750'	Flight Date: August 16, 1956	USDA
1952	1"=750'	Flight Date: August 14, 1952	USGS
1942	1"=750'	Flight Date: May 31, 1942	USDA
1937	1"=750'	Flight Date: August 01, 1937	USDA

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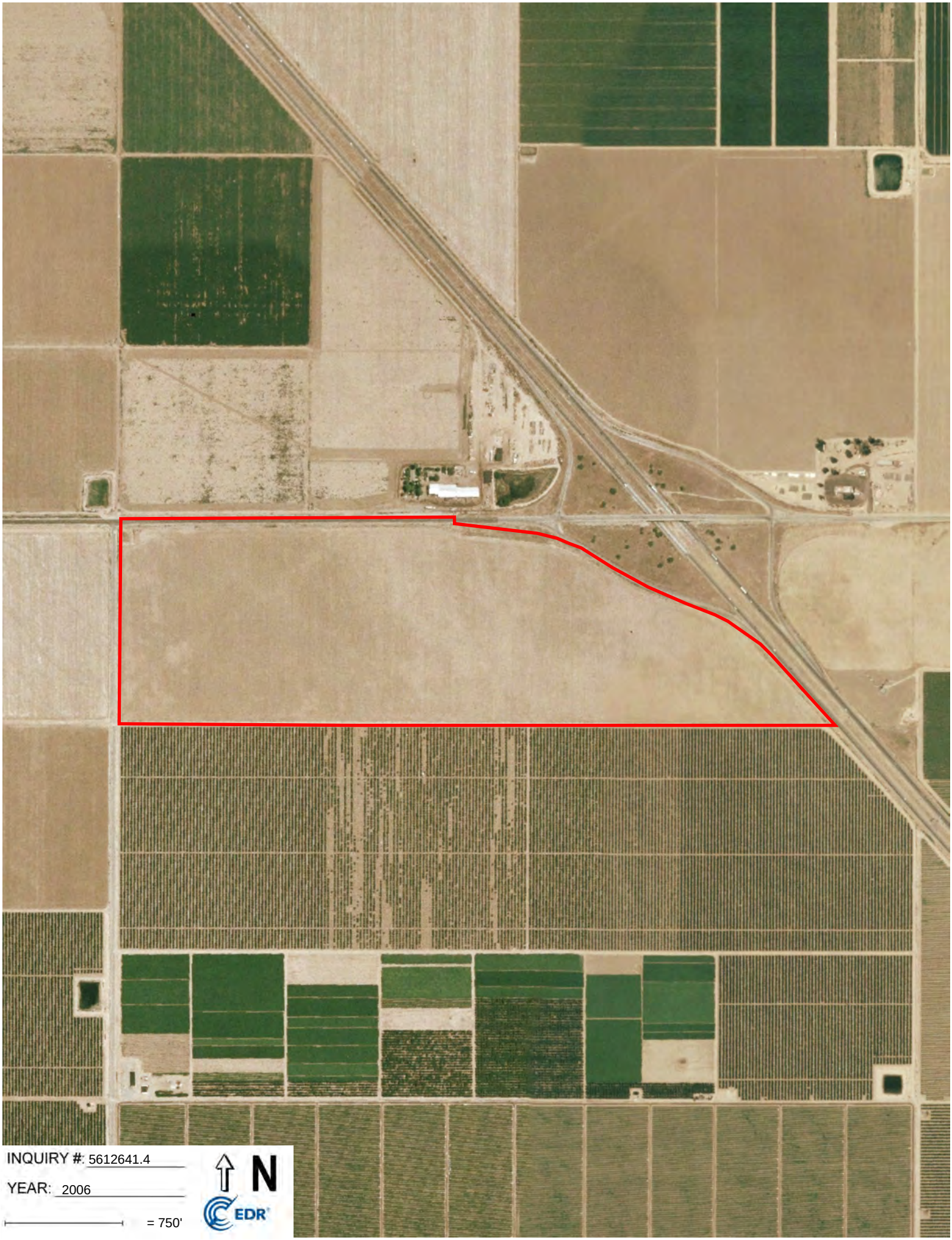
INQUIRY #: 5612641.4
YEAR: 2016
= 750'
N
EDR

INQUIRY #: 5612641.4
YEAR: 2012
= 750'
N
EDR

INQUIRY #: 5612641.4
YEAR: 2009
= 750'
N
EDR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EDR

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YEAR: 1992
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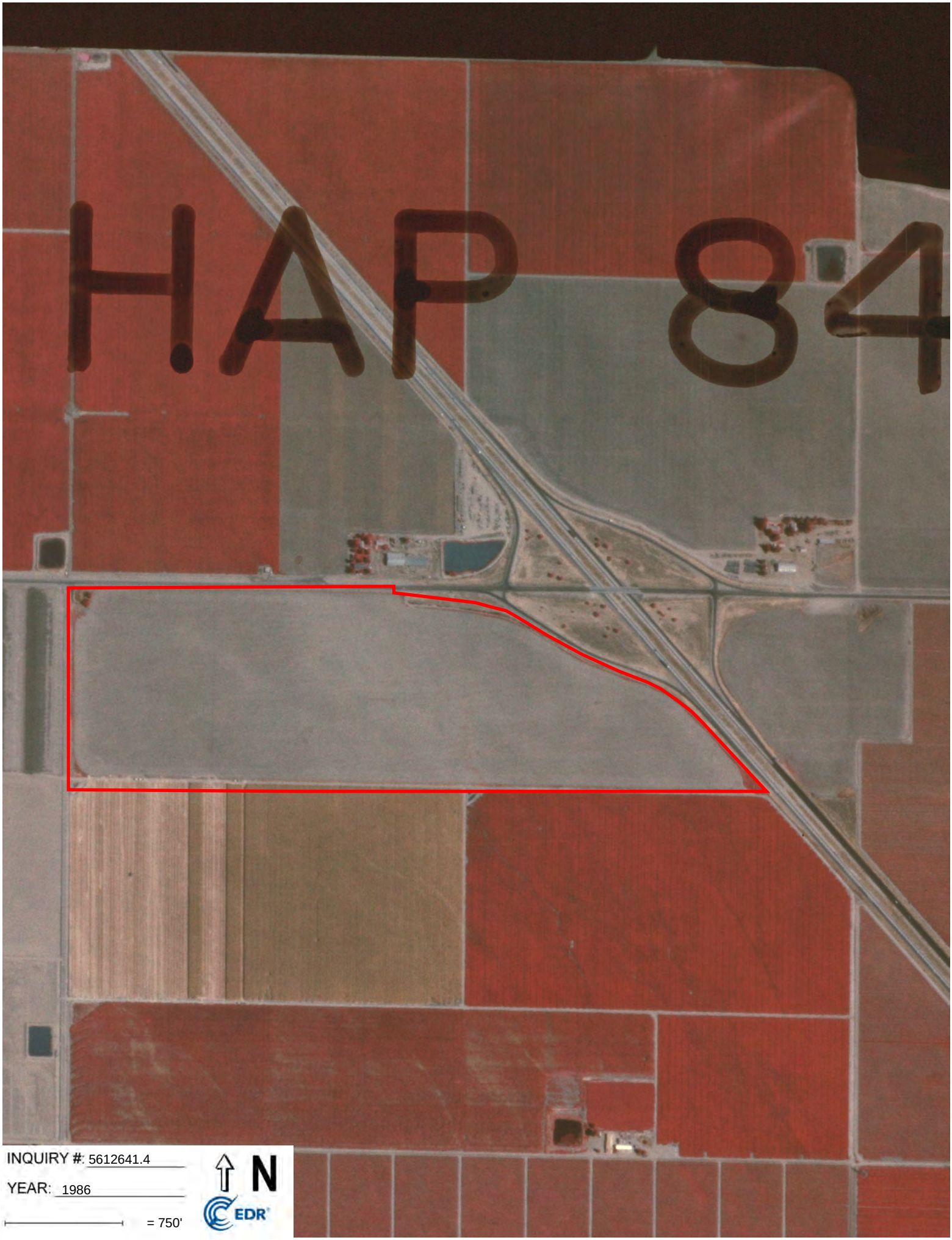
EDR


HAP 84
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YEAR: 1986
= 750'
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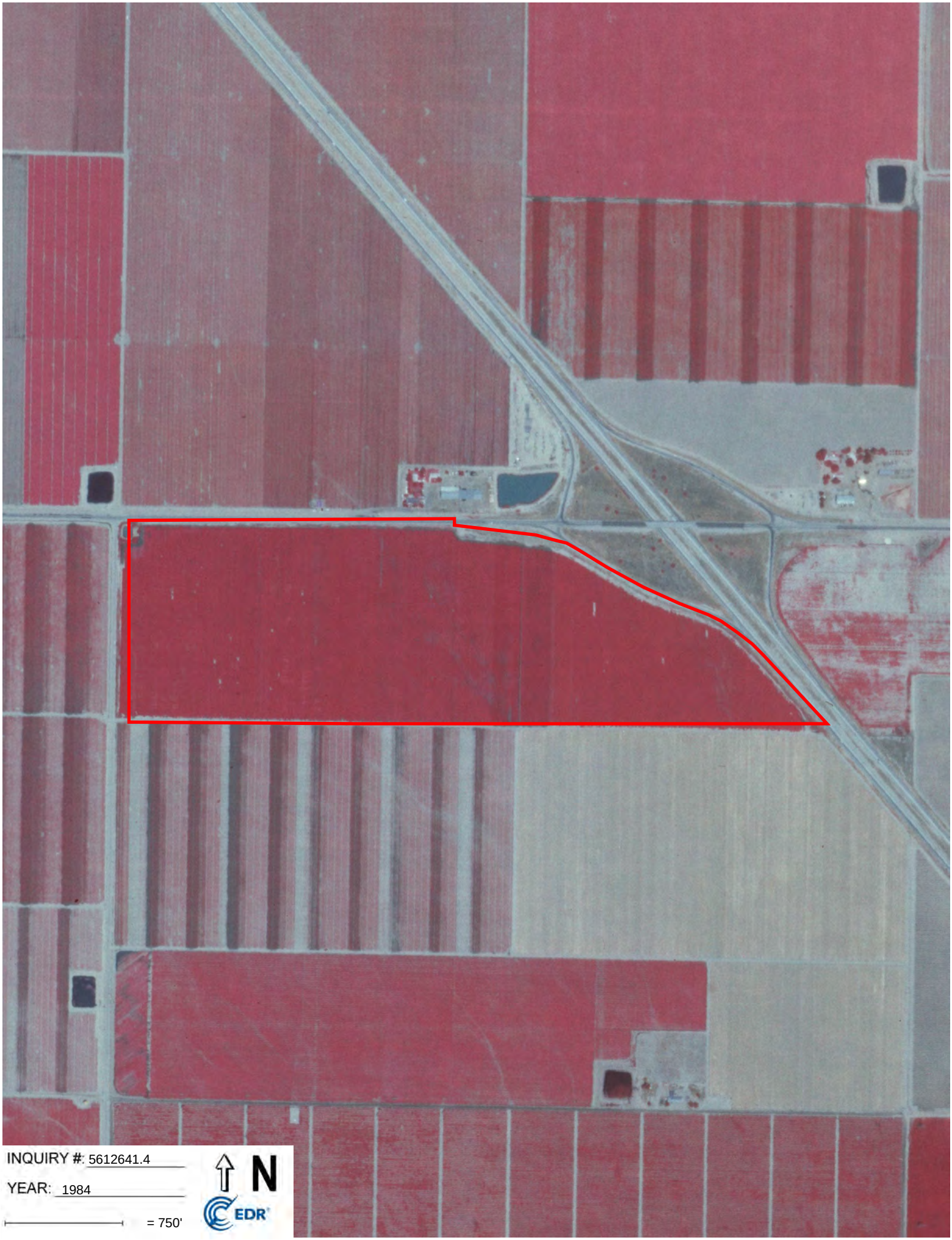
EDR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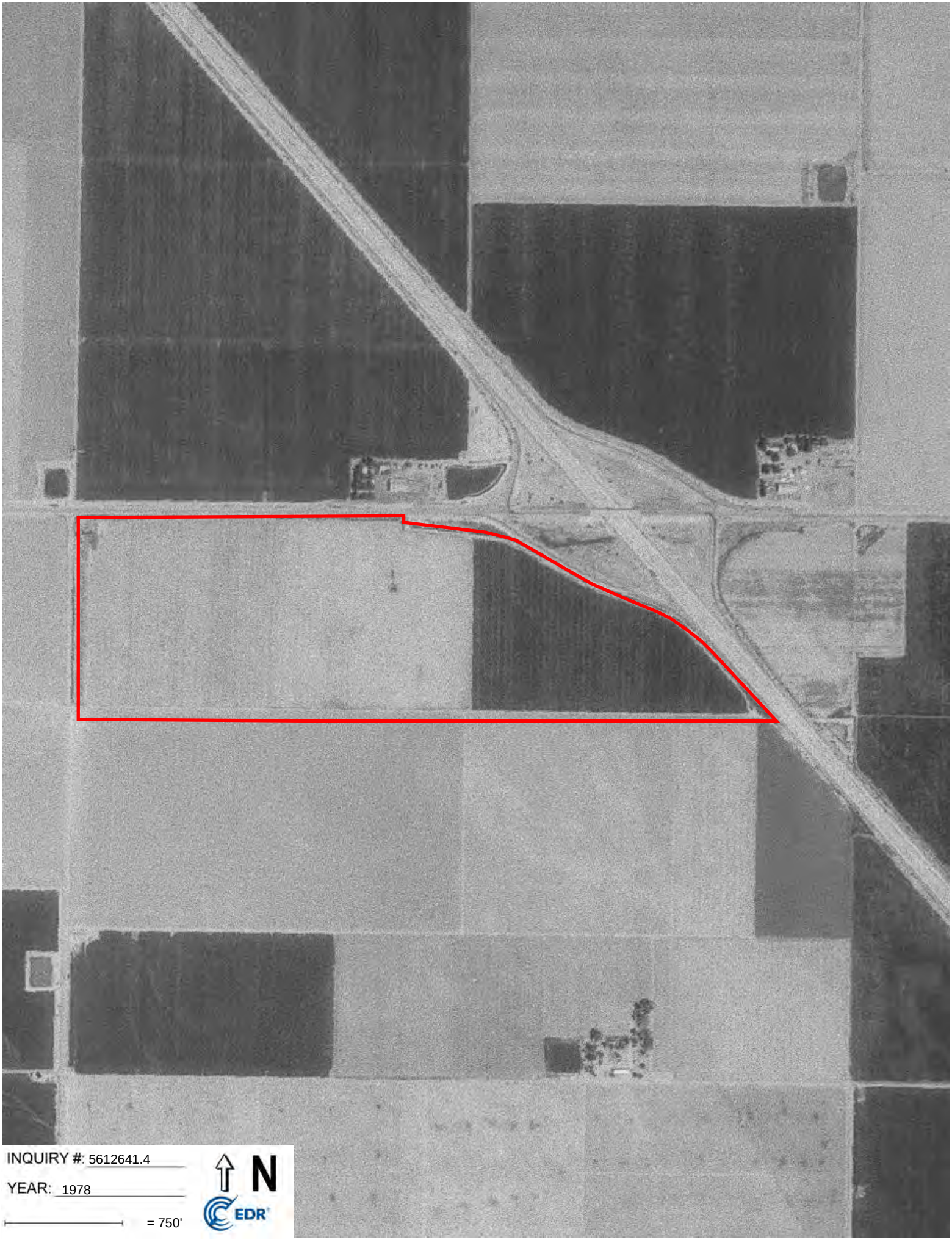
EDR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YEAR: 1978
= 750'
N
EDR

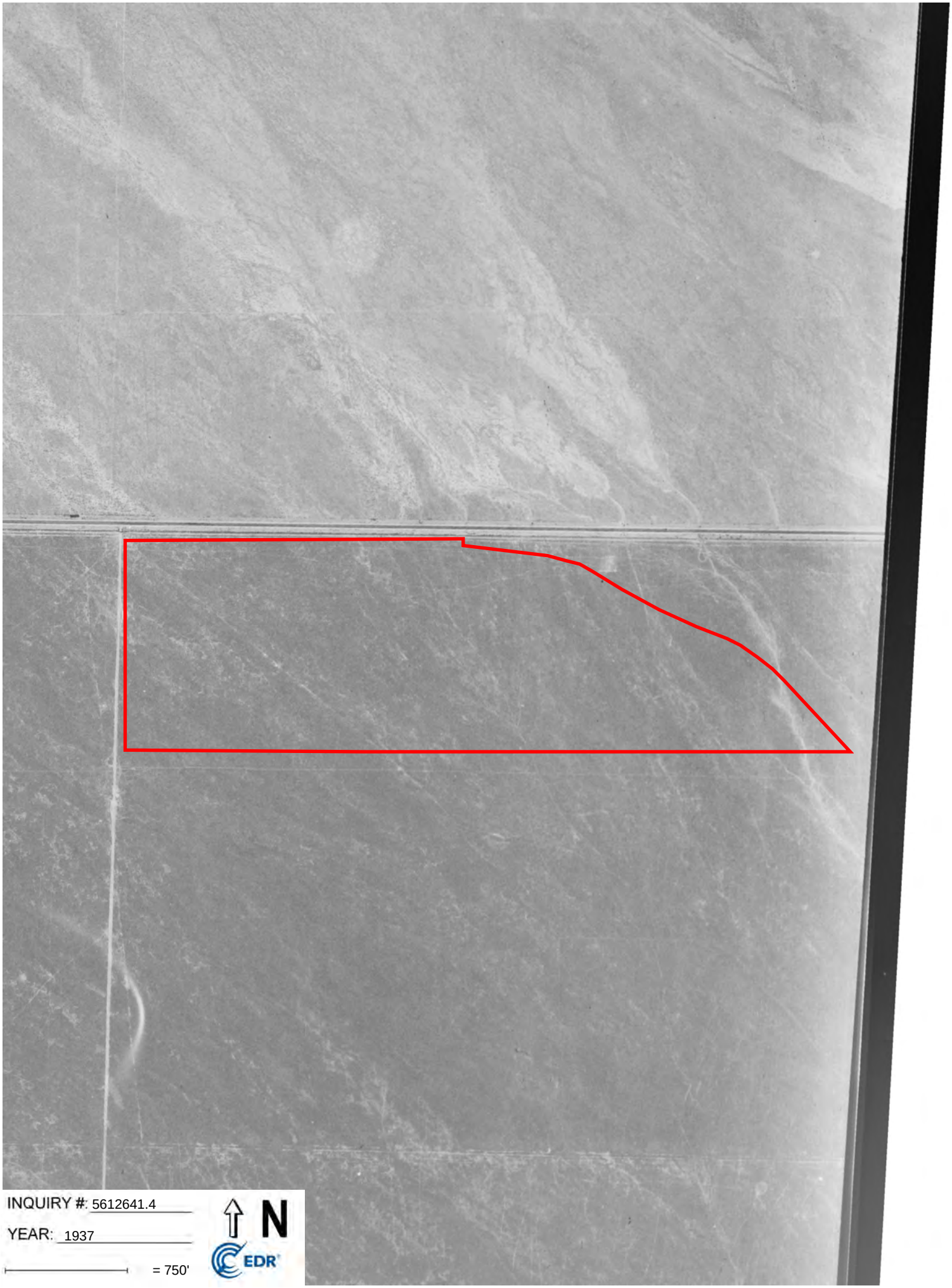
INQUIRY #: 5612641.4
YEAR: 1973
= 750'
N
EDR

INQUIRY #: 5612641.4
YEAR: 1968
= 750'
N
EDR

INQUIRY #: 5612641.4
YEAR: 1956
= 750'
N
EDR

INQUIRY #: 5612641.4
YEAR: 1952
= 750'
N
EDR

INQUIRY #: 5612641.4
YEAR: 1942
= 750'
N
EDR


INQUIRY #: 5612641.4
YEAR: 1937
= 750'
N
EDR

Maricopa Highway Site

8033 Highway 166

Bakersfield, CA 93313

Inquiry Number: 5612641.5

April 05, 2019

EDR Historical Topo Map Report

with QuadMatch™

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

EDR Historical Topo Map Report

04/05/19

Site Name:	Client Name:
Maricopa Highway Site	ANALYTICAL ENVIRONMENTAL SERVI
8033 Highway 166	1801 7th Street
Bakersfield, CA 93313	Sacramento, CA 95811
EDR Inquiry # 5612641.5	Contact: Sam Schoevaars

EDR Topographic Map Library has been searched by EDR and maps covering the target property location as provided by ANALYTICAL ENVIRONMENTAL SERVICES were identified for the years listed below. EDR's Historical Topo Map Report is designed to assist professionals in evaluating potential liability on a target property resulting from past activities. EDRs Historical Topo Map Report includes a search of a collection of public and private color historical topographic maps, dating back to the late 1800s.

Search Results:

P.O.# NA

Project: NA

Coordinates:

Latitude:	35.0573 35° 3' 26" North
Longitude:	-119.005835 -119° 0' 21" West
UTM Zone:	Zone 11 North
UTM X Meters:	317079.11
UTM Y Meters:	3881237.04
Elevation:	488.82' above sea level

Maps Provided:

2012	1931
1995	1912, 1914
1973	1910
1968	
1955	
1950	
1941	
1934	

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Topo Sheet Key

This EDR Topo Map Report is based upon the following USGS topographic map sheets.

2012 Source Sheets

Coal Oil Canyon
2012
7.5-minute, 24000

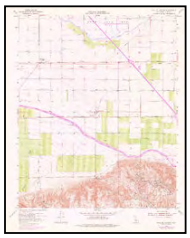
Mettler
2012
7.5-minute, 24000

1995 Source Sheets

Mettler
1995
7.5-minute, 24000
Aerial Photo Revised 1992

1973 Source Sheets

Mettler
1973
7.5-minute, 24000
Aerial Photo Revised 1973



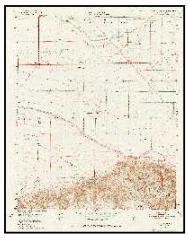
Coal Oil Canyon
1973
7.5-minute, 24000
Aerial Photo Revised 1973

COAL OIL CANYON
1973
7.5-minute, 24000

1968 Source Sheets

Coal Oil Canyon
1968
7.5-minute, 24000
Aerial Photo Revised 1968

Mettler
1968
7.5-minute, 24000
Aerial Photo Revised 1968



COAL OIL CANYON
1968
7.5-minute, 24000

Topo Sheet Key

This EDR Topo Map Report is based upon the following USGS topographic map sheets.

1955 Source Sheets

Mettler
1955
7.5-minute, 24000
Aerial Photo Revised 1952

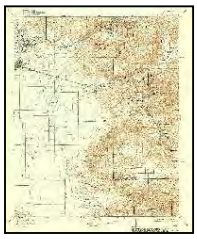
Coal Oil Canyon
1955
7.5-minute, 24000
Aerial Photo Revised 1952

1950 Source Sheets

Coal Oil Canyon
1950
7.5-minute, 24000

METTLER
1950
7.5-minute, 24000

1941 Source Sheets



CALIENTE
1941
30-minute, 125000

1934 Source Sheets

West of Tejon Hills
1934
7.5-minute, 24000

Topo Sheet Key

This EDR Topo Map Report is based upon the following USGS topographic map sheets.

1931 Source Sheets

West of Tejon Hills
1931
7.5-minute, 31680

1912, 1914 Source Sheets

Buena Vista Lake
1912
30-minute, 125000

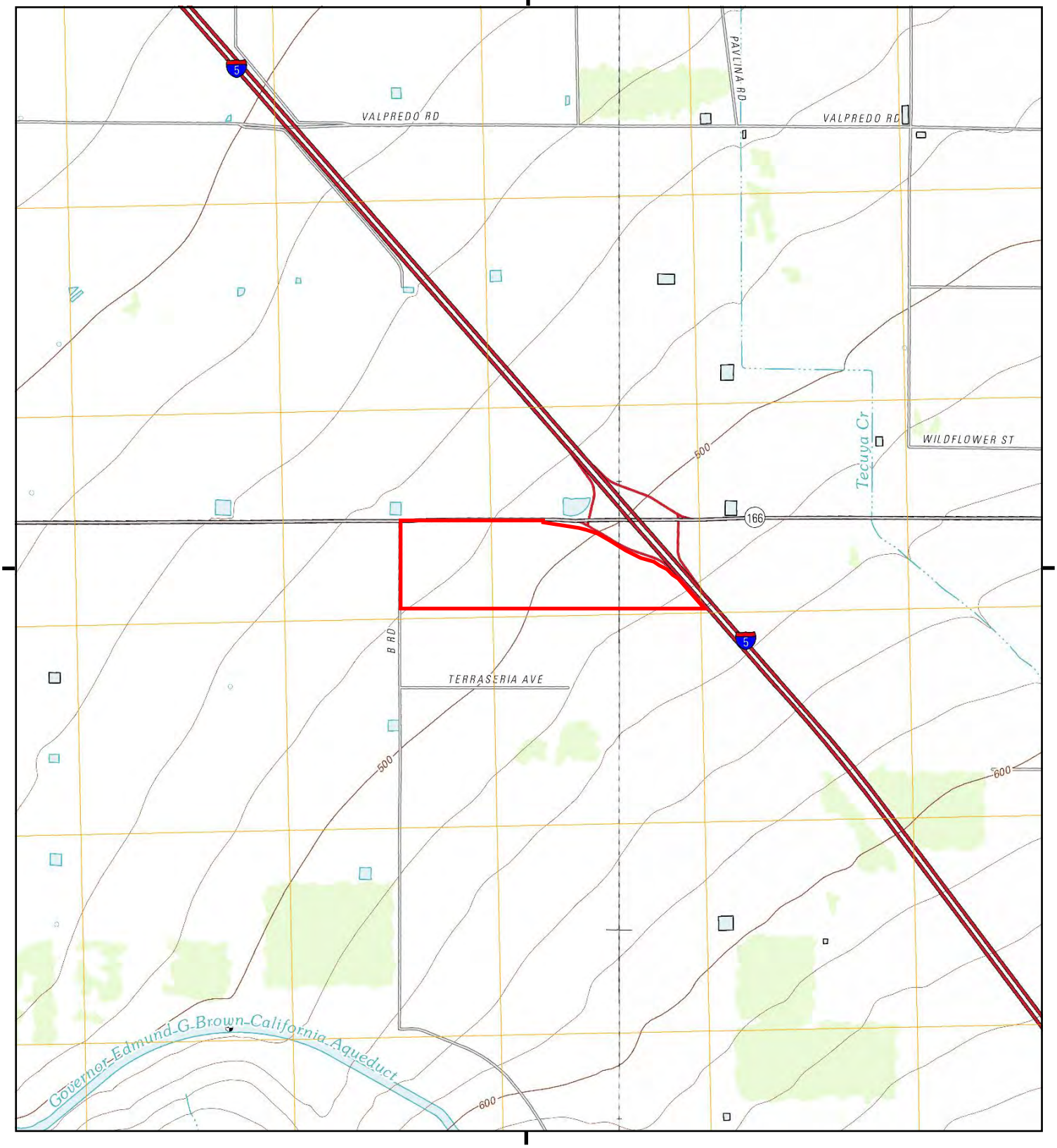
Caliente
1914
30-minute, 125000

1910 Source Sheets

Buena Vista Lake
1910
30-minute, 125000

Historical Topo Map

2012



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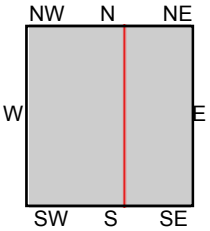
0 Miles 0.25 0.5 1 1.5



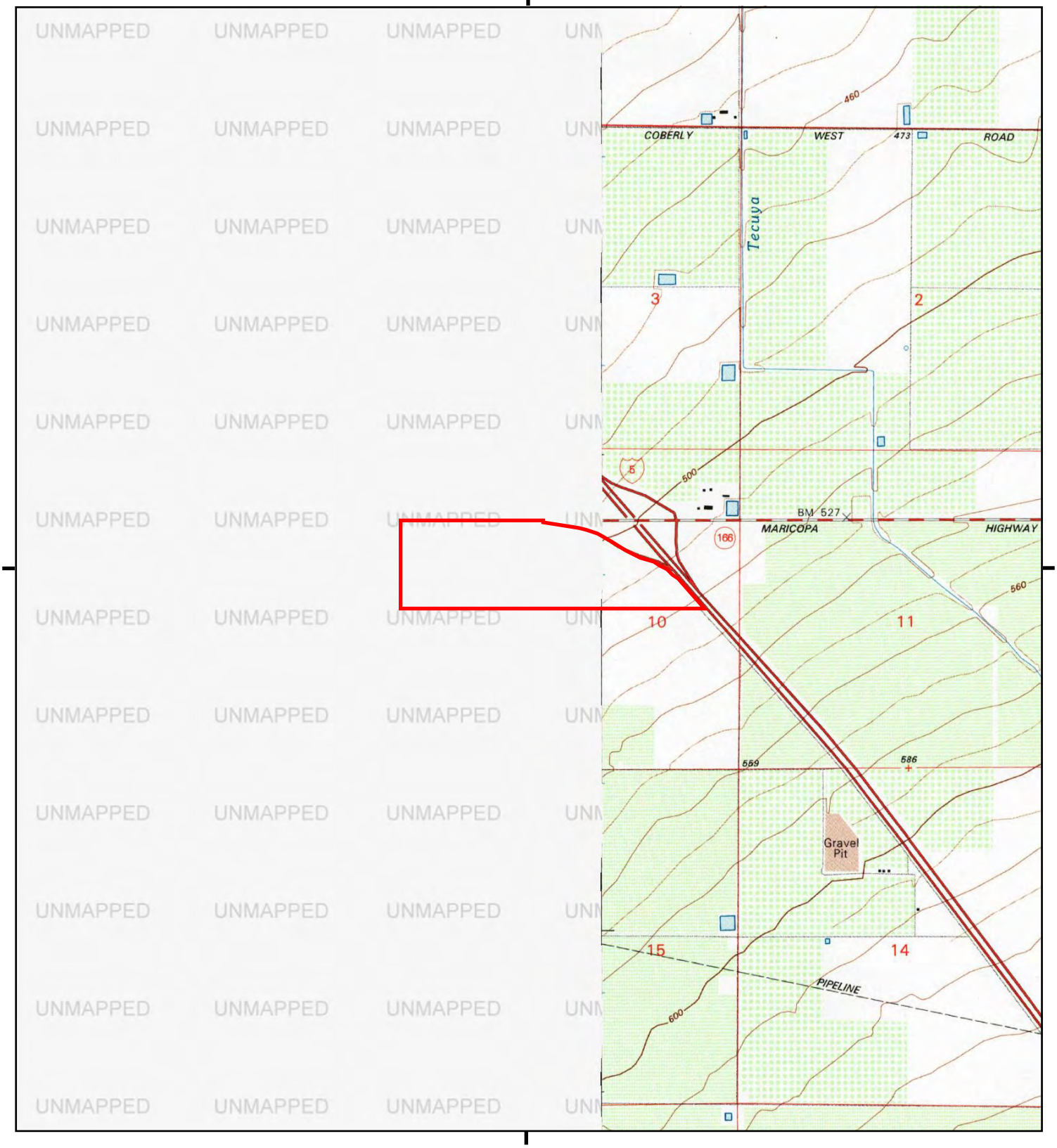
TP, Coal Oil Canyon, 2012, 7.5-minute
E, Mettler, 2012, 7.5-minute

SITE NAME: Maricopa Highway Site
ADDRESS: 8033 Highway 166
Bakersfield, CA 93313
CLIENT: ANALYTICAL ENVIRONMENTAL SERVI

N

Historical Topo Map

1995



This report includes information from the following map sheet(s).

0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

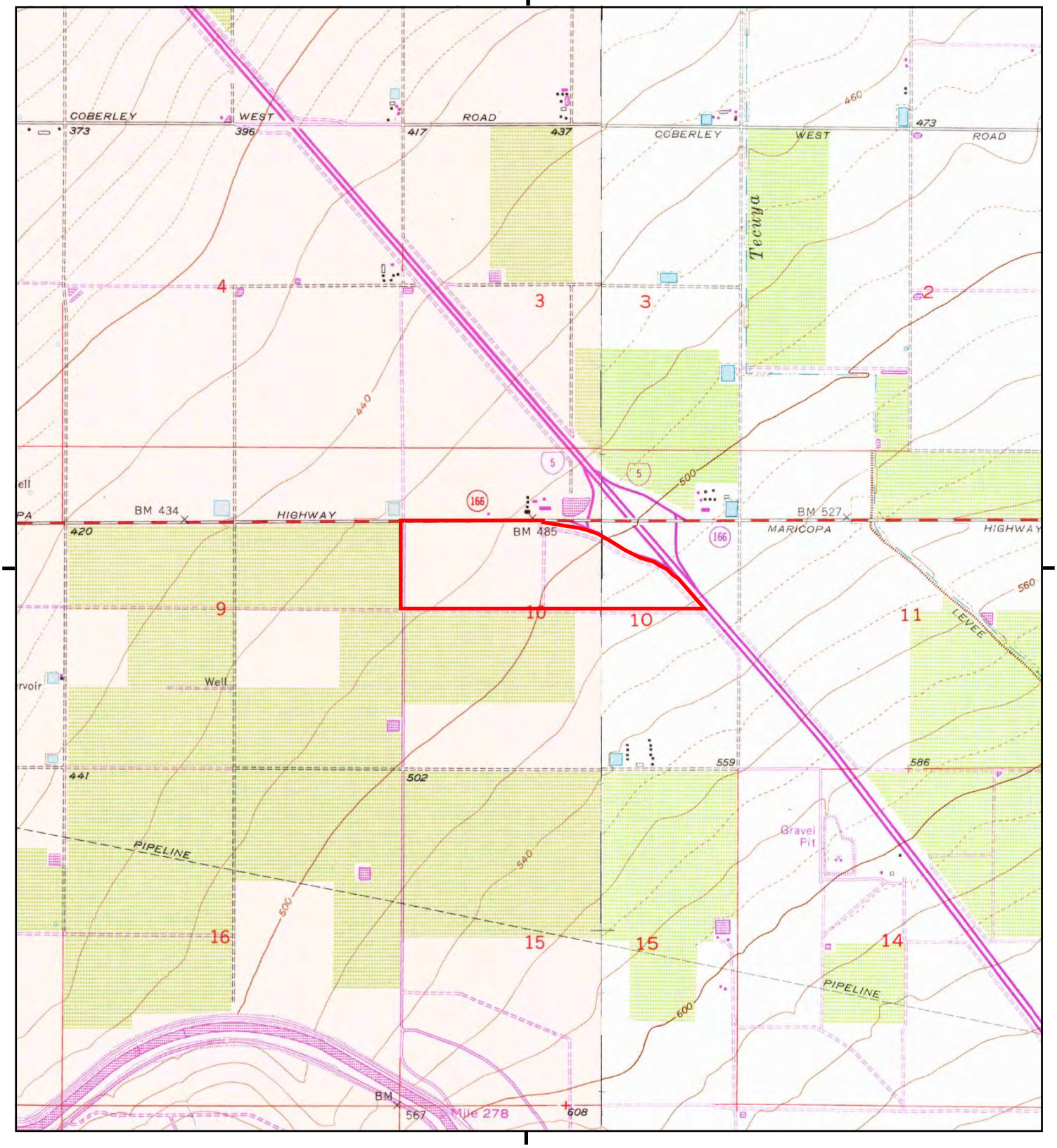
E, Mettler, 1995, 7.5-minute

SITE NAME: Maricopa Highway Site
ADDRESS: 8033 Highway 166
Bakersfield, CA 93313
CLIENT: ANALYTICAL ENVIRONMENTAL SERVI

N

Historical Topo Map

1973



This report includes information from the following map sheet(s).

0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

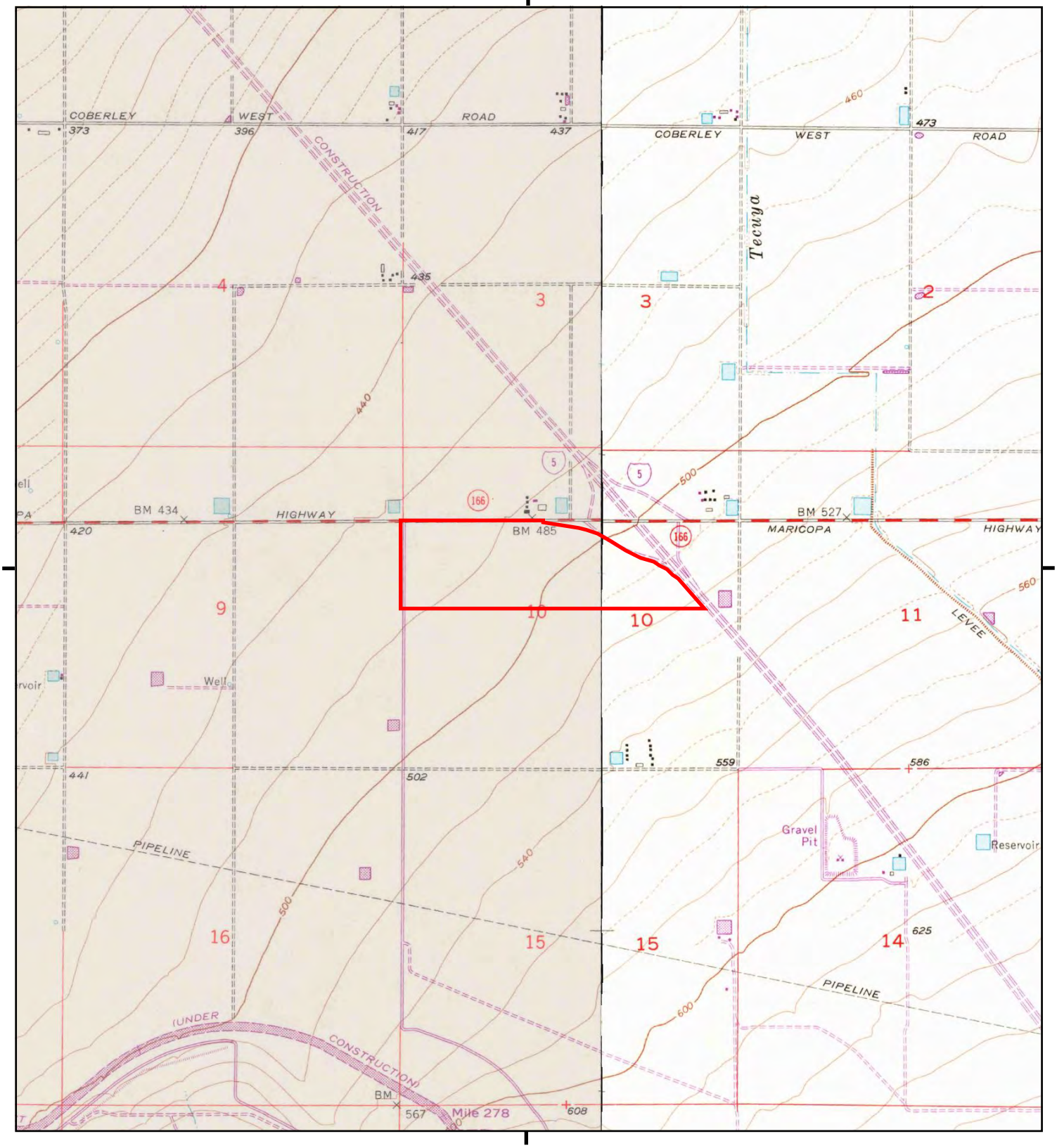
TP, Coal Oil Canyon, 1973, 7.5-minute
E, Mettler, 1973, 7.5-minute
TP, COAL OIL CANYON, 1973, 7.5-minute

SITE NAME: Maricopa Highway Site
ADDRESS: 8033 Highway 166
Bakersfield, CA 93313
CLIENT: ANALYTICAL ENVIRONMENTAL SERVI

N

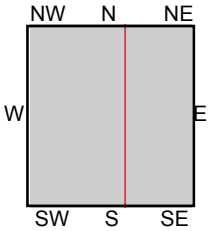
Historical Topo Map

1968



This report includes information from the following map sheet(s).

0 Miles 0.25 0.5 1 1.5



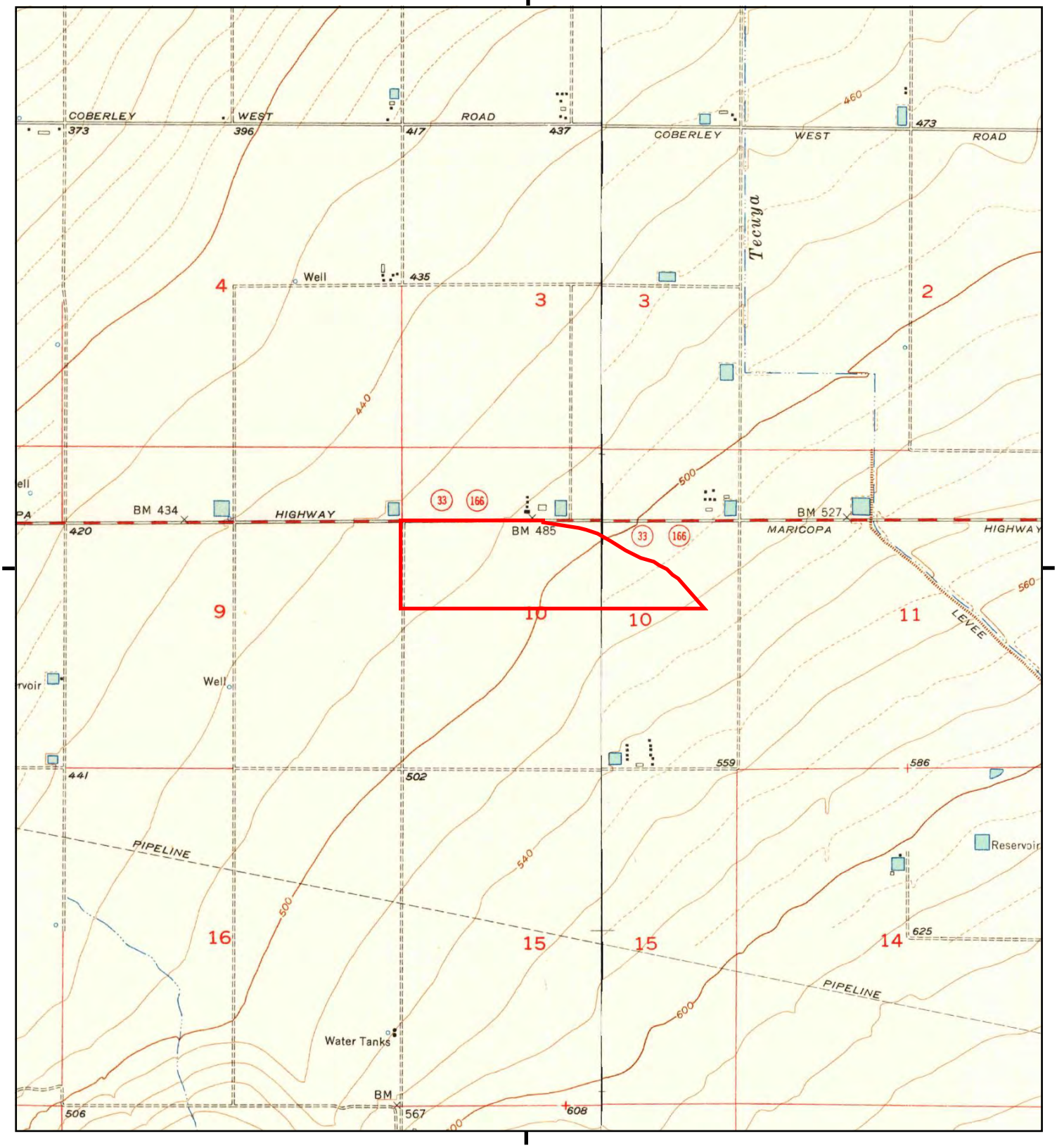
TP, Coal Oil Canyon, 1968, 7.5-minute
E, Mettler, 1968, 7.5-minute
TP, COAL OIL CANYON, 1968, 7.5-minute

SITE NAME: Maricopa Highway Site
ADDRESS: 8033 Highway 166
Bakersfield, CA 93313
CLIENT: ANALYTICAL ENVIRONMENTAL SERVI

N

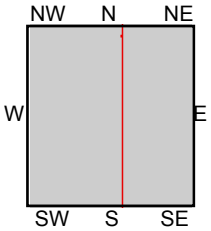
Historical Topo Map

1955



This report includes information from the following map sheet(s).

0 Miles 0.25 0.5 1 1.5



TP, Coal Oil Canyon, 1955, 7.5-minute
E, Mettler, 1955, 7.5-minute

SITE NAME: Maricopa Highway Site
ADDRESS: 8033 Highway 166
Bakersfield, CA 93313
CLIENT: ANALYTICAL ENVIRONMENTAL SERVI

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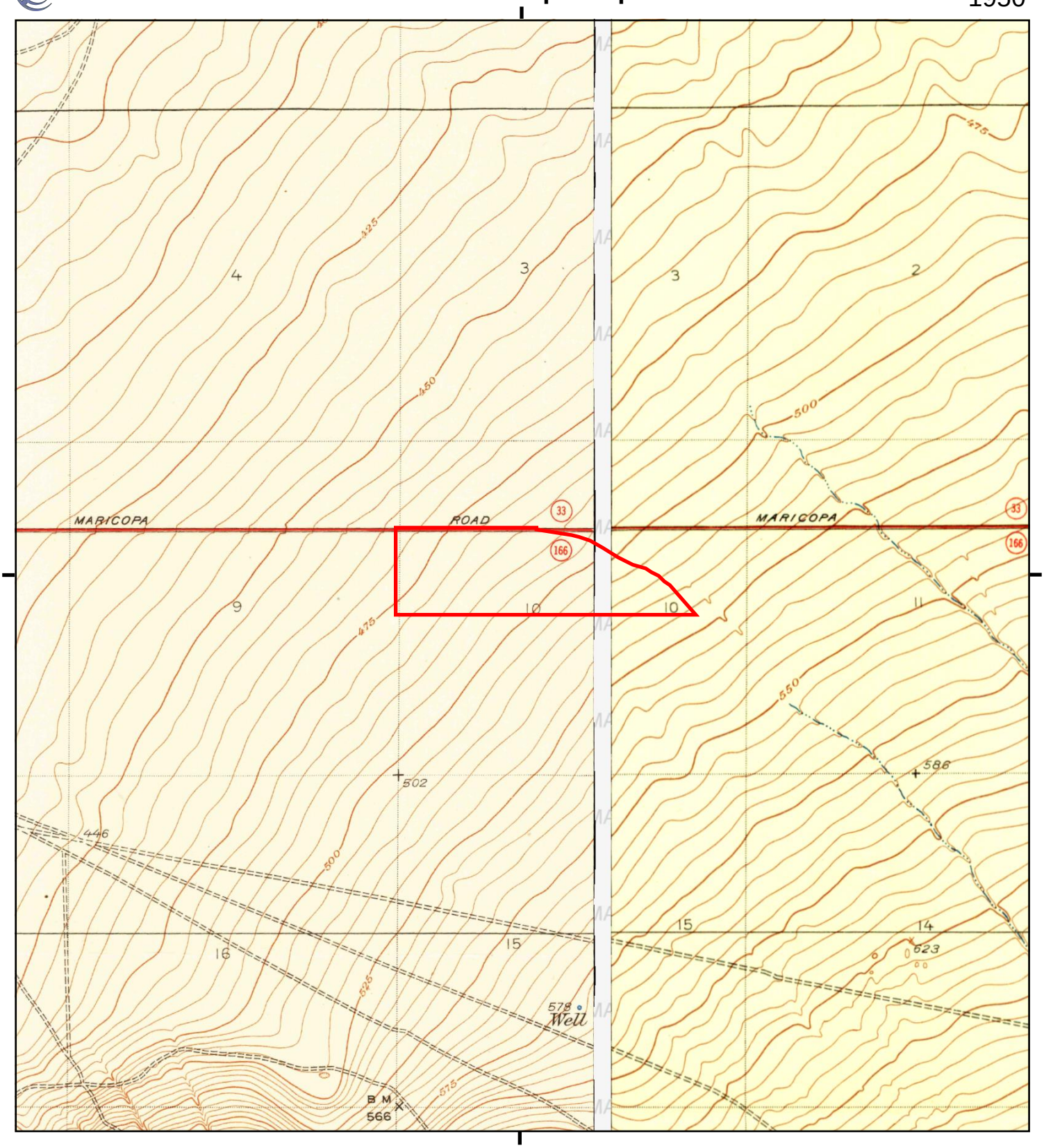
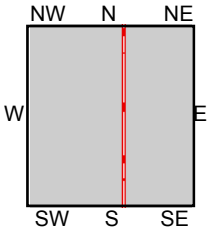
Historical Topo Map

1950



This report includes information from the following map sheet(s).

0 Miles 0.25 0.5 1 1.5



TP, Coal Oil Canyon, 1950, 7.5-minute
E, METTLER, 1950, 7.5-minute

SITE NAME: Maricopa Highway Site
ADDRESS: 8033 Highway 166
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CLIENT: ANALYTICAL ENVIRONMENTAL SERVI

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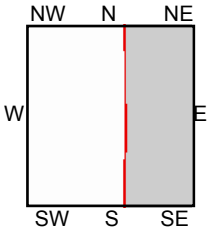
Historical Topo Map

1941

This report includes information from the following map sheet(s).

0 Miles 0.25 0.5 1 1.5



NE, CALIENTE, 1941, 30-minute

SITE NAME: Maricopa Highway Site
ADDRESS: 8033 Highway 166
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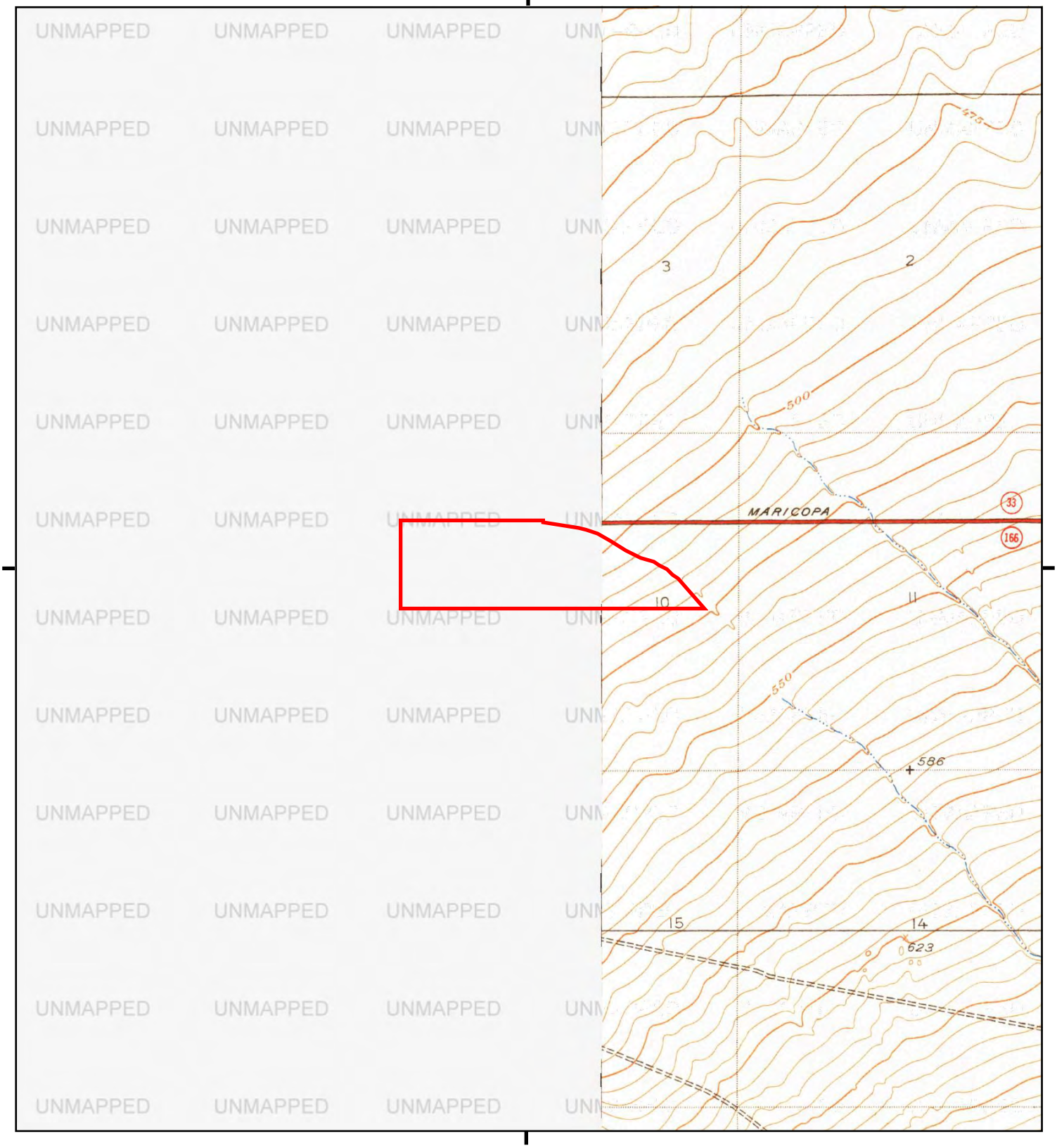
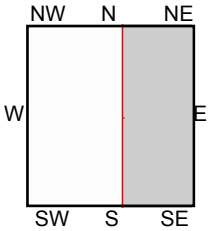
Historical Topo Map

1934



This report includes information from the following map sheet(s).

0 Miles 0.25 0.5 1 1.5



E, West of Tejon Hills, 1934, 7.5-minute

SITE NAME: Maricopa Highway Site
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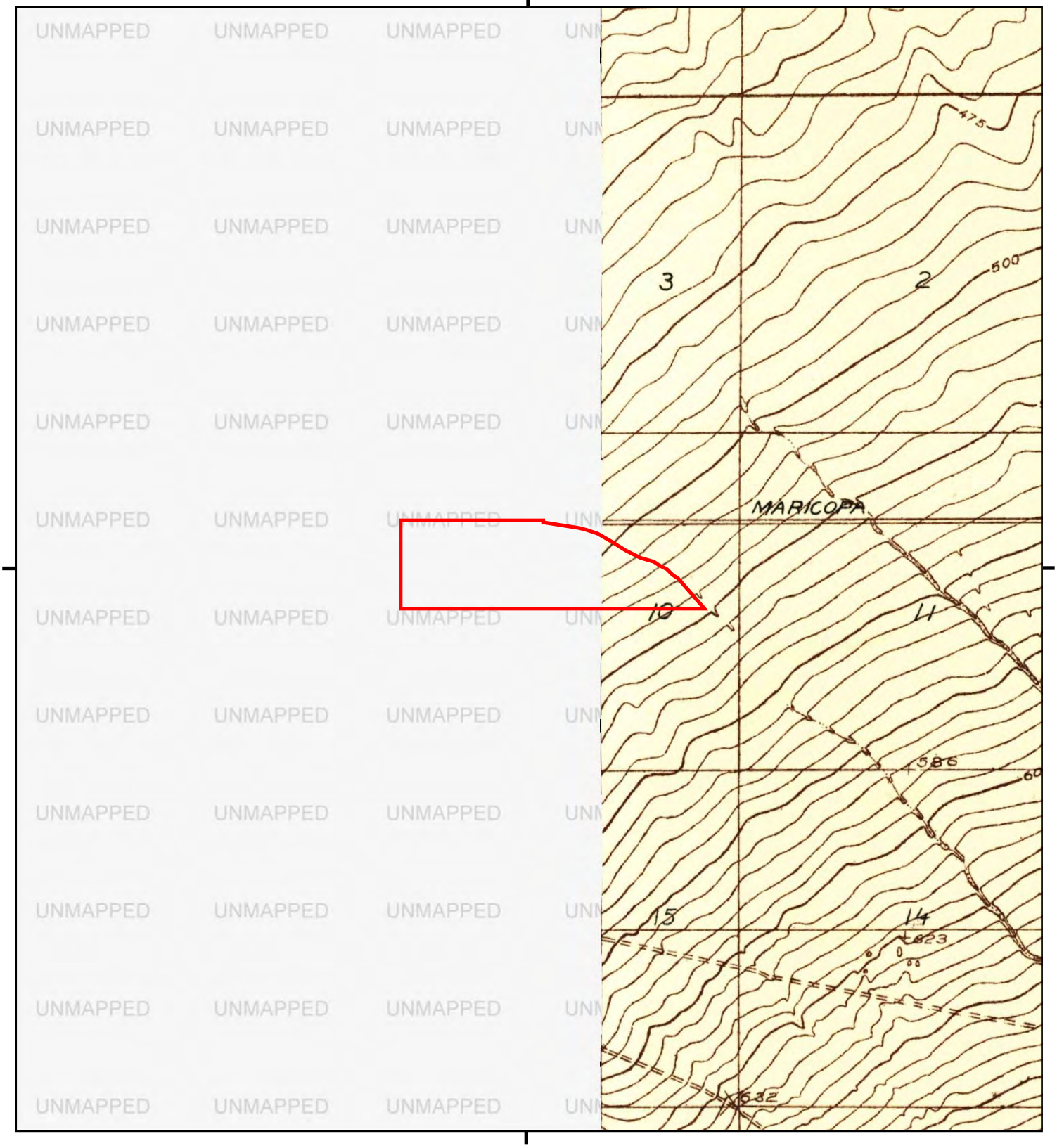
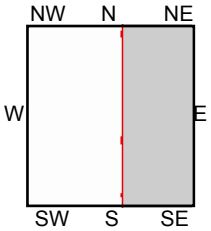
Historical Topo Map

1931



This report includes information from the following map sheet(s).

0 Miles 0.25 0.5 1 1.5



E, West of Tejon Hills, 1931, 7.5-minute

SITE NAME: Maricopa Highway Site
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Bakersfield, CA 93313
CLIENT: ANALYTICAL ENVIRONMENTAL SERVI

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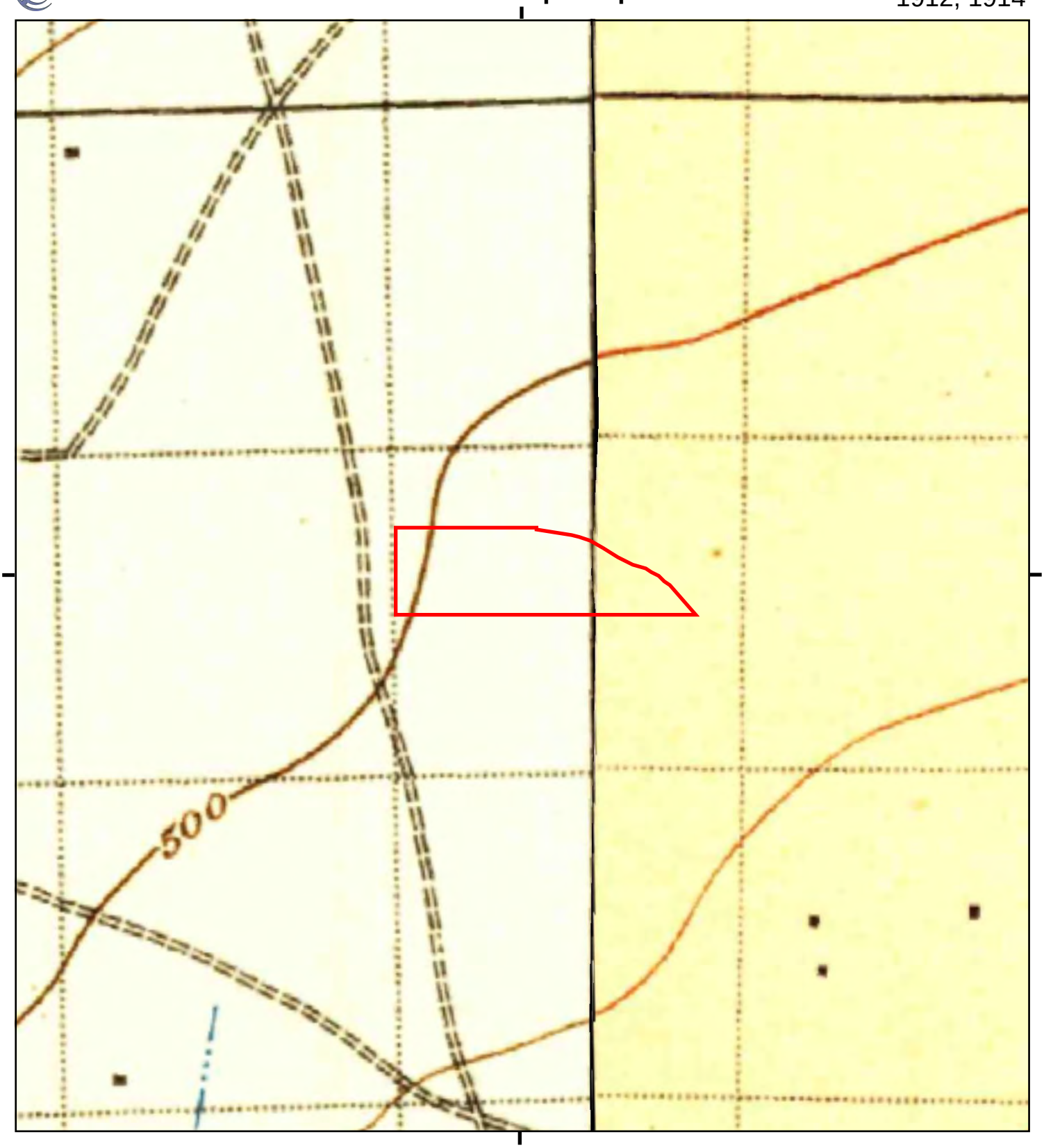
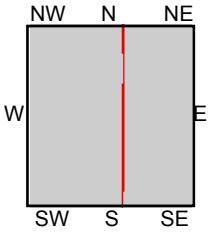
Historical Topo Map

1912, 1914



This report includes information from the following map sheet(s).

0 Miles 0.25 0.5 1 1.5



TP, Buena Vista Lake, 1912, 30-minute
NE, Caliente, 1914, 30-minute

SITE NAME: Maricopa Highway Site
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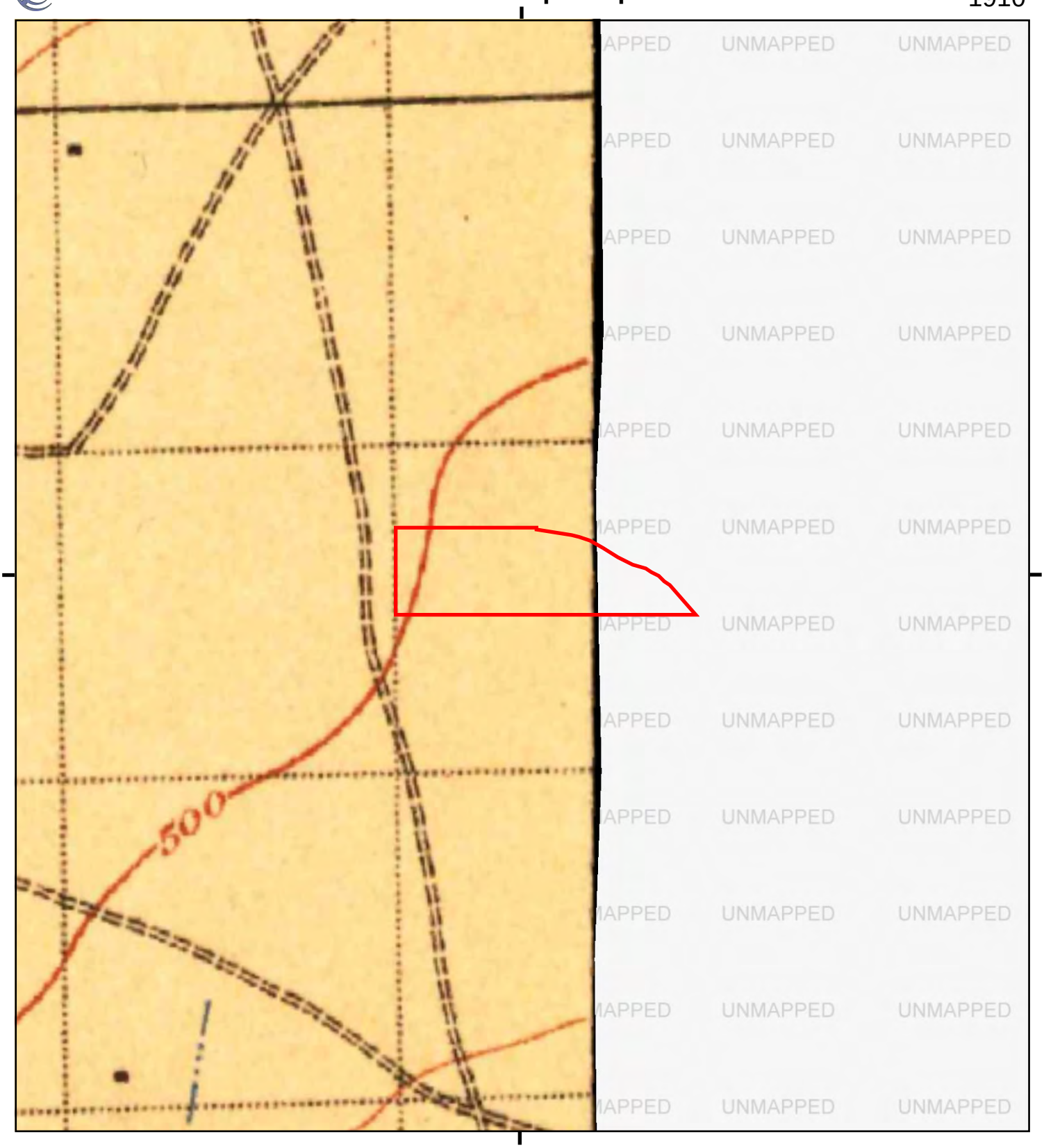
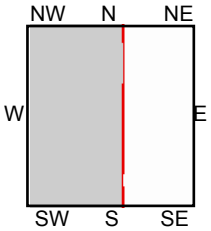
Historical Topo Map

1910



This report includes information from the following map sheet(s).

0 Miles 0.25 0.5 1 1.5



TP, Buena Vista Lake, 1910, 30-minute

SITE NAME: Maricopa Highway Site
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